

Exhibit 520

Expert Report of Richard F. Ambinder, M.D., Ph.D.
Jose Vidana v. United States
7:23-cv-01575
U.S. District Court for the Eastern District of North Carolina

Prepared By:

A handwritten signature in black ink, appearing to read 'RFA', is positioned above a horizontal line.

Richard F. Ambinder, M.D., Ph.D
April 8, 2025

Table of Contents

Expert Report of Richard F. Ambinder, MD, PhD	3
Qualifications	3
Preparations & Methodology	4
Compensation	4
Background Information	4
Incidence	5
Pathogenesis	5
Staging	5
Performance Status	6
Causation	6
Diffuse Large B Cell Lymphoma (DLBCL)	8
Jose Vidana's Pertinent Medical History	12
Opinion	12
References	15
Attachment A – Curriculum Vitae	18

Expert Report of Richard F. Ambinder, MD, PhD

I have prepared this report in response to the United States' request for my opinion as a medical oncologist specializing in lymphoma and hematologic cell transplantation as to the cause of Jose Vidana's diffuse large B-cell non-Hodgkin lymphoma. Based on my review of the record and Mr. Vidana's case history, I conclude that it is unlikely that Mr. Vidana's possible intermittent exposure to contamination in Camp Lejeune water for a few weeks in 1983 caused Mr. Vidana to develop diffuse large B-cell lymphoma in 2007. In my opinion, the origin of Mr. Vidana's diffuse large B-cell lymphoma is idiopathic.

Qualifications

I am a board-certified medical oncologist specializing in lymphoma and hematologic cell transplantation. I lead the Hematologic Malignancies and Bone Marrow Transplant Program at the Johns Hopkins Oncology Center, and the Lymphoma Clinical Service at the Johns Hopkins Hospital. I am a full professor with an endowed chair: the James B. Murphy Professor of Oncology. I graduated from Harvard College with a Bachelor of Arts degree with honors and the Johns Hopkins School of Medicine with an M.D. degree, again with honors. I earned a Ph.D. in Pharmacology at the Johns Hopkins School of Medicine, and I trained in Internal Medicine and Medical Oncology at the Johns Hopkins Hospital. I am board-certified in Internal Medicine and in Medical Oncology. I have received many honors including the Leukemia Lymphoma Society Scholar Award and the Stohlman Scholar Award. In addition, I am a member of two honorary societies: the American Society for Clinical Investigation, and the American Association for the Advancement of Science. While each of these awards and honors are somewhat different, they all attest to the quality of the research that I have done in the field of lymphoma. I have published many chapters in medical textbooks focused on lymphoma and its treatment, including in UpToDate. I am an organizer of national and international meetings, give lectures at national and international meetings, and lead many lymphoma-focused grants. I have been awarded research grants from the National Cancer Institute totaling more than 25 million dollars over the years including 8 million dollars for studies related to the diagnosis of lymphoma for the years 2023-2028.

I teach courses for medical students and graduate students in the Johns Hopkins Medical School, and lecture in courses in the Johns Hopkins School of Public Health and the Johns Hopkins School of Nursing. I have led the Lymphoma Clinical Service at Johns Hopkins since 1995. I supervise the clinic at which lymphoma patients are seen at Johns Hopkins and the clinical training of resident physicians and hematology and oncology fellows in the treatment of lymphoma. I also lecture in courses to update community oncologists and internists. I treat patients in clinic and consult on questions from physicians in the community relating to lymphoma. I served on the National Cancer Center Network guideline panels that make recommendations for the diagnosis and treatment of cancer including panels focused on non-Hodgkin lymphoma, Hodgkin lymphoma, and AIDS malignancies. I also sit on the National Cancer Institute Lymphoma Steering Committee that helps prioritize clinical research studies.

My current curriculum vitae is attached as Appendix A. It includes a list of my publications for the last ten years and a list of all other cases in which, during the previous four years, I have testified as an expert at trial or by deposition.

Preparations & Methodology

I base these opinions on my review of relevant literature and case materials, including the complaint filed by Mr. Vidana, medical records, deposition transcripts, medical literature relating to causes of lymphoma, and expert reports submitted by both the United States and plaintiffs' counsel. In reaching my opinions, I relied on my clinical experience in the care of patients with lymphoma and other hematologic malignancies; my experience investigating the biology and the epidemiology of lymphomas in the laboratory and in clinical, pharmacologic and epidemiologic studies, and on my reviews of the scientific and medical literature. Additionally, I employed a differential diagnostic approach to systematically consider and exclude known causes of non-Hodgkin lymphoma.

My opinion relies on the United States' general causation report by Goodman, *Trichloroethylene, Perchloroethylene, Benzene, Vinyl Chloride, and trans-1,2-DCE Exposure and NHL Risk*, February 7, 2025; and the United States's specific exposure and risk assessment reports for Mr. Vidana, *Expert Report of Judy S. LaKind*, April 8, 2025; *Expert Report of Dr. Lisa Bailey*, April 8, 2025. My opinion also considers the United States' general causation reports by McCabe, *General Causation Report Camp LeJeune Water Volatile Organic Chemicals and Non-Hodgkins Lymphoma and Leukemia*, February 7, 2025; Lipscomb, *Expert Report of John C. Lipscomb*, February 7, 2025, and Shields, *General Causation*, February 7, 2025). I have also reviewed the January 20, 2017, ATSDR Public Health Assessment for Camp Lejeune Drinking Water, United States Marine Corps Base Camp Lejeune, North Carolina, and the report by pathologist Dr. Michaels that was submitted by plaintiffs' counsel.

Compensation

I charge \$700 per hour for case review, \$1,000 per hour for deposition testimony, and travel expenses.

Background Information

Lymphomas are cancers of lymphocytes[1]. There are several classification systems: World Health Organization (WHO)[2] and the International Consensus Classification (ICC)[3] have each published classifications in 2022. Malignant cells proliferate and accumulate in lymph nodes or extranodal tissues. When the proliferation/accumulation occurs in solid masses this is typically referred to as lymphoma. When the proliferation/accumulation is primarily in the blood, it is typically referred to as leukemia. As elaborated below, many entities may involve solid masses and blood and so the classification system of lymphoma, leukemia and some related lymphoid related diseases overlaps.

Hodgkin lymphoma (HL) and non-Hodgkin lymphoma (NHL) are the two main types of lymphoma. HL is characterized by the presence of Reed-Sternberg cells, which

are recognized by their distinctive appearance. NHL lack Reed-Sternberg cells and have a different appearance under the microscope. NHL is subclassified based on the cell of origin (B-cell, T-cell, NK-cell), the patterns of arrangements of cells under the microscope (which we refer to as histological features), and genetic characteristics such as chromosomal translocations and specific mutations. More than 60 types of NHL are recognized including chronic lymphocytic leukemia (CLL).

Each type of lymphoma has distinct characteristics, and the prognosis and treatment options vary depending on the specific type and stage of the disease.

Incidence

NHL accounts for approximately 4% of cancer diagnoses in the United States[4]. B-cell NHL comprise 85-90% of NHL cases. There are approximately 100,000 new cases of B-cell NHL, including CLL, diagnosed in the United States each year[5]. In the United States, the lifetime risk of developing B-cell NHL is approximately 2%.

Pathogenesis

In terms of pathogenesis, it is important to understand a bit about B lymphocytes, what they do and how they develop [6]. B-cells may be likened to factories that produce antibodies, which are special proteins that help fight off diverse invaders like viruses and bacteria. In order to generate antibody diversity, B cells undergo somatic hypermutation and class switch recombination during their development. These processes involve breaking and rejoining of DNA strands which create opportunities for genetic errors that can lead to development of lymphomas.

Chromosomal translocations where chromosomes break and rejoin other chromosomes are frequently identified in B-NHL. These translocations often involve the immunoglobulin loci and various genes that regulate cell proliferation and cell death. Follicular lymphoma, Burkitt lymphoma and mantle cell lymphoma all have associated characteristic chromosomal translocations. These translocations are thought to result from errors in normal developmental processes that involve breaking and rejoining DNA strands. In addition to translocations, the processes for generating antibody diversity also lead to mutations. The enzyme that produces these mutations usually acts on particular regions of the immunoglobulin genes but can act on distant genes and, in so doing, also contribute to lymphoma development.

Staging.

It is standard practice to assess how widespread the lymphoma is at presentation and whether there are specific symptoms associated with the lymphoma[7]. This is called staging. Lymphomas are typically staged according to the **Ann Arbor staging system**.

- Stage I:** Involvement of a single lymphatic area (e.g., one lymph node region or one extranodal site).
- Stage II:** Involvement of two or more lymph node regions on the same side of the diaphragm, or one lymph node region and a nearby

- extranodal site.
- Stage III:** Involvement of lymph node regions on both sides of the diaphragm, which may also include the spleen or a nearby extranodal site.
- Stage IV:** Disseminated involvement of one or more extranodal organs, such as the bone marrow, liver, or lungs, in addition to lymph node involvement.

When there is direct extension from a lymph node to an extra-lymphatic site such as bone, that is referred to as an E-lesion.

Performance Status

The functional or performance status of patients is typically evaluated at the beginning and during therapy[8]. Several different scales are often used, but among the most widely used is the ECOG (Eastern Cooperative Oncology Group) performance status. It is a scale to measure the patient's ability to perform daily activities.

ECOG Performance Status Scale

- 0: Fully active:** Able to carry on all pre-disease performance without restriction
- 1: Restricted in physically strenuous activity:** Ambulatory and able to carry out work of a light or sedentary nature (e.g., light housework, office work)
- 2: Ambulatory and capable of all self-care:** Unable to carry out any work activities. Up and about more than 50% of waking hours
- 3: Capable of only limited self-care:** Confined to bed or chair more than 50% of waking hours
- 4: Completely disabled:** Cannot carry on any self-care. Totally confined to bed or chair
- 5: Death**

Causation

In most instances, the causes of NHL are poorly understood [9]. Genetic mutations are associated with many cancers including lymphomas. These mutations may be inherited or may develop specifically in the cells that will ultimately become cancerous. There is increased risk of lymphoma in people with first degree relatives (parent, child, sibling) with lymphoma, but most people with lymphoma do not have first degree relatives with lymphoma. When there are family members with lymphoma, typically predisposing mutations are not identified, but there are exceptions [10]. Thus, individuals with the Li-Fraumeni syndrome (mutations in TP53) inherit a predisposition to lymphoma although other cancers are much more common in this syndrome [11]. Similarly, mutations in BRCA1 and 2 have also been linked to increased risk of lymphoma, especially in children and adolescents—but these mutations are more commonly linked to breast and ovarian cancer.

When causes of lymphoma are known, they are often associated with particular types of lymphoma rather than lymphoma in general. Consider Epstein-Barr virus (EBV) [12]. This virus was first discovered in African Burkitt lymphoma, a specific type of non-Hodgkin lymphoma. Because viral DNA is consistently found in African Burkitt lymphoma cells, it is generally accepted that the virus is a cause of African Burkitt lymphoma. However, the story is much more complicated.

We know that almost all adults worldwide (>90%) are infected by EBV, and once infected, the virus never leaves the body. We also know that if you test the saliva of a general population on any given day, approximately 40% will be shedding the virus in their saliva. What seems to make children in certain regions of Africa especially susceptible to this lymphoma is that they live in areas where almost everyone has malaria. How malaria, the virus, and perhaps other factors interact to cause the tumor is a subject of ongoing research, but the answers aren't very clear.

What is clear is that most people diagnosed with lymphoma have this cancer-causing virus in their bodies[13]. However, the virus isn't the cause of most lymphomas; it is associated with only a small subset. This subset doesn't represent a percentage of all the different types of lymphomas but, instead, relates to particular types of lymphoma. For example, in people living with HIV before the advent of effective antiretroviral therapy, the risk of lymphomas of the brain (primary central nervous system lymphomas) was increased hundreds or thousands of times[14]. These lymphomas always carried EBV. However, in people without HIV, these lymphomas are very rarely associated with the virus. Moreover, most lymphomas in the world are not related to EBV, even though most people in the world are infected by the virus.

HIV infection and Hepatitis C are two other viral infections linked to B cell lymphomas [15, 16]. There is a broad consensus that splenic marginal zone lymphomas may be hepatitis C related but there are some investigators who believe that virtually any sort of B-cell NHL may be hepatitis C related. Other NHL that involve T cells are associated with a virus called HTLV1[17]. This is a virus that is prevalent in very specific geographic regions (certain areas of Japan, central Africa, Caribbean islands, certain native populations in South America). Among individuals who have been infected by this virus, approximately 2-5% will develop adult T-cell leukemia/lymphoma. Worldwide, most T-cell NHL is not associated with this virus.

Breast implant-associated anaplastic large cell lymphoma is a rare lymphoma that is associated with particular types of breast implants [18]. This type of lymphoma only occurs in people with breast implants—but the great majority of people with breast implants never develop this type of lymphoma.

A few B-cell NHL types have been linked to bacterial infection, most notably gastric MALT lymphoma, which is linked to *Helicobacter pylori* [19]. Infection with this bacteria, which lives in the stomach, is usually not associated with symptoms or disease, and more than 40% of the adult population is infected by the bacteria [20]. When infection with this bacteria causes symptoms, these are usually ulcers. But in a tiny

fraction of those infected, MALT lymphoma of the stomach develops. Often these lymphomas can be treated and even cured with antibiotics. Most MALT lymphomas of the stomach are associated with this bacteria [21]. However, MALT lymphomas occurring elsewhere in the body are not associated with this bacteria, and treatment with antibiotics to eradicate this bacteria have no effect on these other lymphomas. This is despite the fact that many people with MALT lymphomas outside the stomach are also infected by the bacteria.

When considering age as a risk factor for lymphoma, the particular type of lymphoma is important. For example, while it is true that diffuse large B cell lymphoma occurs more commonly as people age (median age 67 with 30% of patients are older than 75)[22, 23], the same cannot be said for primary mediastinal B cell lymphoma which usually occurs in younger patients (median age 37)[24]. And Burkitt lymphoma in equatorial Africa occurs mainly in children ages 3-15[25].

The same is true for sex [26]. Primary mediastinal B cell lymphoma is less common in men than women (0.71 incidence ratio) while diffuse large B cell lymphoma is more common in men than women (1.56 incidence ratio).

With regard to studies of environmental exposures to benzene, trichloroethylene, perchloroethylene, and vinyl chloride, I have relied on the expert report prepared by Dr. Goodman. In particular, I would call attention to the fact that among the four studies that evaluated NHL risk at Camp Lejeune, there were no consistent associations reported for NHL overall or any specific type of lymphoma.

As these examples demonstrate, when trying to identify the cause of a lymphoma, it is essential to consider the specific type of lymphoma and the evidence that the virus is associated with that specific type. The oversimplification that all lymphomas or all NHL share the same causation leads to serious errors.

Diffuse Large B Cell Lymphoma (DLBCL)

DLBCL is the most common lymphoma in the United States [27]. It is estimated that there are 77,240 new cases of NHL in the United States annually and that 30-40% are DLBCL. A recent review listed established risk factors for DLBCL in a table reproduced below as Exhibit 1[28].

Established risk factors for DLBCL	
Risk factors	Risk association
	* = OR <2.0
	*** = OR >2.0
Family and person history	
Family history for any heme malignancy	*
Family history of DLBCL	***
Personal history of cancer	*
Genetic susceptibility	*
Inherited immunodeficiency syndrome	***
Organ transplants	***
Autoimmune conditions	*
Sjogren's syndrome	***
Systemic lupus erythematosus	***
Rheumatoid arthritis	*
Infections	
HIV	***
KSHV/HHV8	*
HCV	*
HBV	*
Anthropometric measures	
Adult BMI	*
Young adult BMI	*

Exhibit 1: Established Risk Factors for DLBCL

The same review indicates that the risk of developing DLBCL increases with age as shown in Exhibit 2 below [28].

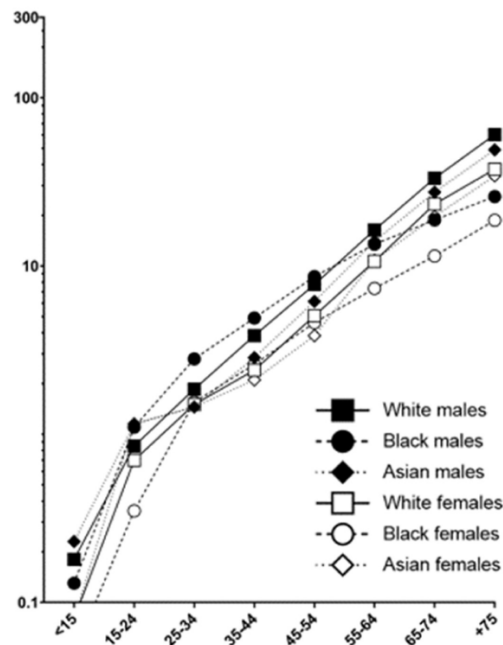


Exhibit 2: Incidence of DLBCL by Age

People with compromised immune systems are at a higher risk of developing DLBCL[28]. Among them are transplant recipients, people on immunosuppressive medications, and people with genetic immunodeficiency syndromes.

Autoimmune conditions are also associated with increased risk of lymphoma [29, 30]. These include rheumatoid arthritis, systemic lupus erythematosus, Sjogren syndrome, and autoimmune thyroid disease. A study of patients with autoimmune thyroid diseases showed that 7% developed lymphoma with DLBCL being the most common [31].

Certain infections are also linked with risk of DLBCL[28]. Epstein-Barr virus (EBV) and Kaposi sarcoma herpesvirus (KSHV, also known as HHV8) are linked with DLBCL, especially in conjunction with HIV infection or other immunocompromise. As in the table above, the risk associated with HIV is particularly high. The risk of DLBCL in HIV patients is 10.3-fold greater than in the general population. Before there was effective antiretroviral therapy, it was estimated to be 650-fold greater. Hepatitis C virus (HCV) has also been linked to DLBCL with a recent estimate of a 2.7-fold increased risk. Bacterial infection with *Helicobacter pylori* is specifically related to gastric lymphoma.

Family history of DLBCL or other lymphoid malignancy is also associated with increased risk[31].

Obesity is a risk factor[28, 31, 32]. In a multivariate model to predict the risk for diffuse non-Hodgkin's lymphoma in patients with a high BMI (>35 kg/m²), compared with a normal BMI (<25 kg/m²), the OR was 2.15 (CI, 1.09–4.25). BMI was associated with the risk for DLBCL. [33].

With regard to the hypothesis that exposure to certain chemicals and substances may increase the risk of DLBCL, I have relied upon the report from Goodman, who concluded that there was no consistent association reported for DLBCL and such exposures.

Prognostic Factors

Analysis of patients treated with RCHOP led to a prognostic classification referred to as the Revised International Prognostic Index (R-IPI)[34] that is widely used to assess DLBCL risk groups. Patients are divided into 3 risk groups according to number of risk factors. Risk factors are age >60, elevated LDH, Ann Arbor stage III/IV disease, ECOG performance status ≥2, and >1 extranodal involvement site.

Risk Group	4-year progression-free survival, overall survival
Very Good (0 factors)	94%, 94%
Good (1-2 factors)	80%, 79%
Poor (3-5 factors)	53%, 55%

Exhibit 3: Revised International Prognostic Index DLBCL Risk Groups

Treatment

DLBCL is often curable with combination chemotherapy and sometimes with

radiation or chemotherapy combined with radiation [27]. A standard chemotherapy is R-CHOP (rituximab, cyclophosphamide, doxorubicin, vincristine, and prednisone)[35]. Each of these drugs except the prednisone is administered intravenously. Typically, there is one treatment every 3 weeks (one cycle) for a total of 6 to 8 cycles. There are some variations that are also used for treatment involving many of the same drugs. One of these is Pola R CHP which is approved for patients with IPI ≥ 2 [36]. Outcomes are shown below in Exhibit 4.

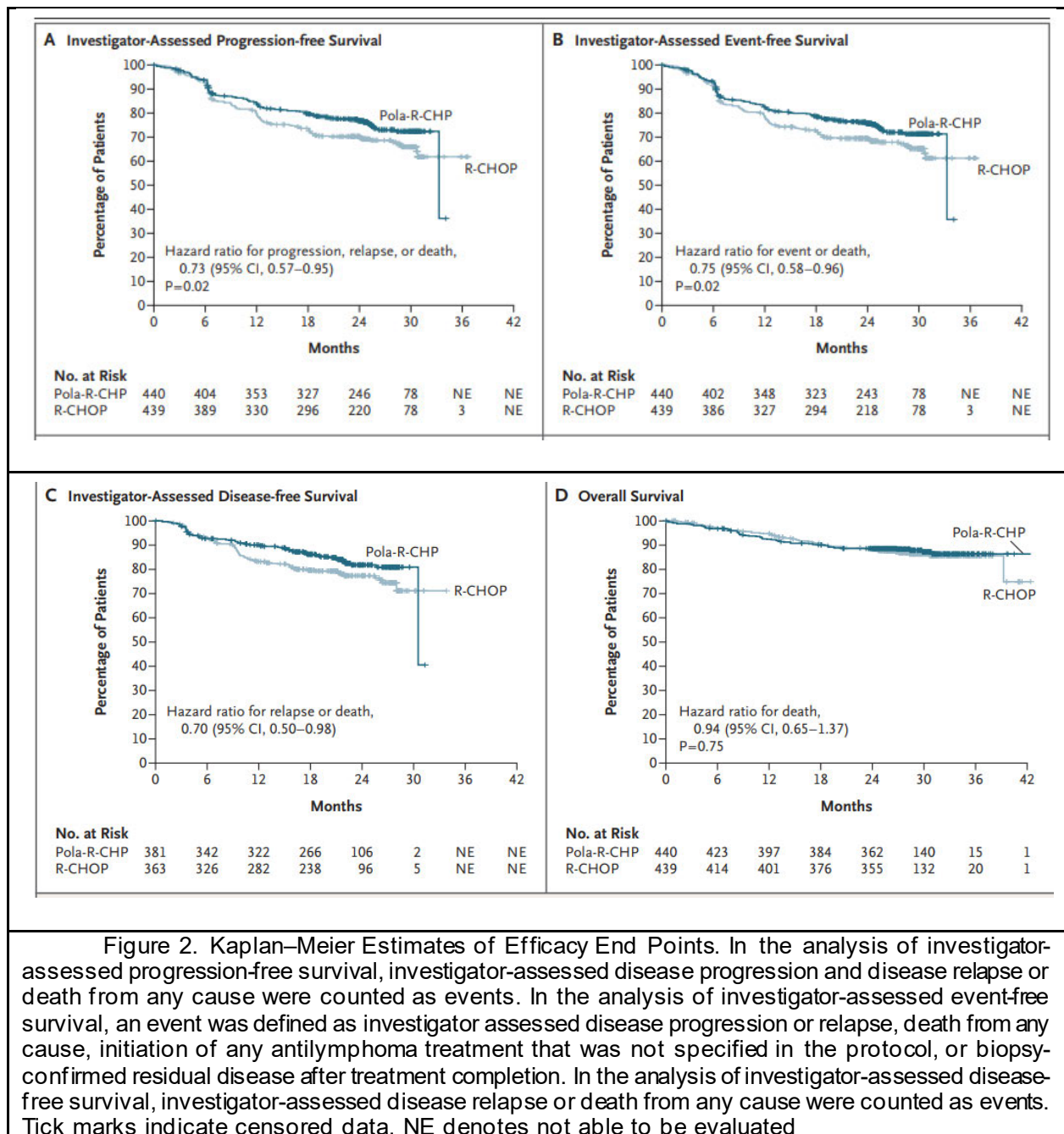


Exhibit 4: Kaplan-Meier Estimates of Efficacy End Points by Treatment

For those who fail to achieve a complete remission (disappearance of all evidence of tumor on physical exam and scans) or who relapse, there are further therapies to try to achieve cure or slow down the progression of the lymphoma [27]. These may involve more combination chemotherapies with other agents, hematopoietic cell transplantation, genetically manipulated T cells that attack the tumor, and bispecific antibodies. Many of these approaches to treatment are new within the last several years and the outlook for patients with these lymphomas who have failed initial therapy has substantially improved very recently.

When tumor is no longer apparent on physical exam and by imaging studies, we refer to that as “remission”. Among those who achieve and maintain remission for 2 years with RCHOP, achieving event-free survival at 24 months, the cumulative risk of relapse at 5 years is 9.3%, and at 8 years, 10.3%[37].

Jose Vidana’s Pertinent Medical History

Mr. Vidana was at Camp Lejeune from mid-May to the end of June, 1983 (6 weeks) at a training course in Camp Johnson.

At age 44, Mr. Vidana developed a persistent sinus infection that was unsuccessfully treated with antibiotic therapy several times. He then developed a mass involving the nasopharynx, left neck, and left supraclavicular area. On October 24, 2007, a biopsy was performed which showed DLBCL. At that time, he had a 20-lb weight loss over the prior 3 months, fevers, and occasional night sweats. CT and PET imaging showed mediastinal, axillary, retroperitoneal and iliac nodes.

Of note, Mr. Vidana was obese and hypertensive. His height was 5’10.5, weight was 222 lbs. This yields a BMI of 31.4. A BMI >30 is considered obese. He was also a smoker.

Mr. Vidana was treated with 6 cycles of RCHOP (11/7/2007—2/1/2008) with near complete response. The standard RCHOP treatment today is given every 3 weeks, but at the time he was treated, there was some enthusiasm for treatment every 2 weeks [38].

After the completion of RCHOP, Mr. Vidana received involved field radiation to the left neck and supraclavicular region as consolidation. This was followed by treatment with rituximab alone given every 3 weeks beginning August 13, 2008, and concluding September 24, 2008.

Mr. Vidana has since developed hypothyroidism, arthritis, fatigue, and dental issues.

Opinion

Mr. Vidana’s lymphoma responded to chemotherapy and he achieved complete remission. Diffuse large B cell lymphoma is usually cured with chemotherapy of the sort that Mr. Vidana got with 3-year overall survival rates ranging from 59% to 91% in a recent

review[39]. However, late relapses can occur. Among those who achieve and maintain remission for 2 years, achieving event-free survival at 24 months, the cumulative risk of relapse at 5 years is 9.3%, and at 8 years, 10.3%[37]. In the unlikely event that relapse should occur in the future, further therapy would not include RCHOP but might include a variety of other chemotherapies including bispecific antibodies, CAR T cells, autologous or allogeneic stem cell transplant and other new drugs. There is no indication for any of these therapies at present.

In terms of the consequences of chemotherapy for Mr. Vidana, temporary hair loss as he experienced is routine. Dry mouth may develop with chemotherapy and vincristine nerve damage may lead to a sensation of dental pain.

With regard to risk factors, Mr. Vidana did not have evidence of an underlying immune disorder, infection associated with lymphoma, or family history of lymphoma. However, he was obese which has clearly been identified as a risk factor for DLBCL, and he was typical of DLBCL in being an adult male.

With regard to Mr. Vidana's specific risk from exposure to chemicals in water at Camp Lejeune, I have relied upon the reports from LaKind, who estimated Mr. Vidana's exposure, and Bailey, who used LaKind's exposure estimate to evaluate risk. Bailey concluded that "at the highest potential exposure for Mr. Vidana, and applying conservative, health-protective assumptions, Mr. Vidana's exposures to chemicals in the Camp Lejeune drinking water did not increase his overall cancer risk by more than 0.0001% (i.e., 1×10^{-6} , or 1 cancer case in 1,000,000 exposed people) over his background cancer risk. This excess lifetime cancer risk is below the lower end of US EPA's acceptable risk range." Bailey at 33. As described above in the Incidence section, the lifetime risk of all B-lymphomas like DLBCL is about 2%. It follows that based on Bailey's risk assessment, Mr. Vidana's background risk of B lymphoma is about 20,000 times higher than his increased risk of *all* cancers from exposures at Camp Lejeune. Bailey also notes that Mr. Vidana is unlikely to have been exposed to any chemicals in water at Camp Lejeune where he lived and worked because this area was not served by contaminated water sources. Bailey at 31.

Mr. Vidana may have had a very brief exposure at Camp Lejeune to trichloroethylene (TCE), tetrachloroethylene, and benzene, but none of these exposures have been convincingly linked to DLBCL in either clinical studies or animal models. Please see literature reviews by Goodman and McCabe in this regard.

Dr. Michaels comments on differential etiology: i.e., what risk factors might have contributed to DLBCL. However, he doesn't touch on what causes the great majority of DLBCL—because that isn't known. Instead, he lists a variety of factors associated with a minority of DLBCL. In what follows the details of Dr. Michaels' opinions in italics and my specific responses are presented.

"[no] evidence of background, pre-existing low-grade lymphoma from which his DLBCL arose from."

Dr. Michaels is correct, there is no evidence that Mr. Vidana's lymphoma arose from a pre-existing, low-grade lymphoma. However, it should be noted that most DLBCL are de novo rather than arising from a low-grade lymphoma.

"DLBCL can arise in the setting of immune deficiency/dysregulation (e.g., related to HIV infection or immunosuppressive treatment for inflammatory/autoimmune disorders, or after solid-organ or bone marrow transplantation)."

Again, some DLBCL do arise in the setting of immunodeficiency. There is no evidence that Mr. Vidana was immunodeficient, but most patients with DLBCL have no history of immune deficiency or inflammatory/autoimmune disorders.

"...no evidence of a family history of such a condition in his known relatives."

Some patients with DLBCL do have relatives with history of lymphoma—but most do not.

"EBV infection... fibrin-associated large B-cell lymphoma... diffuse large B-cell lymphoma associated with chronic inflammation... none of which apply to Mr. Vidana's case"

I agree that none of these rare causes of DLBCL apply to Mr. Vidana. Dismissing them is entirely appropriate, but Dr. Michaels' approach relies on **elimination rather than evidence-based causation**. He considers a variety of etiologies **that have not been linked to most DLBCL cases**, rules them out, and then concludes that exposures at Camp Lejeune must be the cause. In doing so, Dr. Michaels ignored the fact that the cause of most DLBCL cases is idiopathic, meaning unknown. Dr. Michaels' process of elimination was therefore unreliable.

In sum, Dr. Michaels argues that a series of factors that have been implicated in rare cases of DLBCL can be eliminated from consideration and therefore exposures at Camp Lejeune must be the cause of DLBCL in someone who spent time there. But it is generally accepted that the cause of most cases of DLBCL is unknown. The process of elimination cannot be relied upon to identify the cause of DLBCL when no one seriously believes that the causes for most DLBCL cases are known.

As is true for the great majority of patients with DLBCL, the cause of Mr. Vidana's DLBCL is unknown.

References

1. Lewis, W.D., S. Lilly, and K.L. Jones, *Lymphoma: Diagnosis and Treatment*. Am Fam Physician, 2020. **101**(1): p. 34-41.
2. Khoury, J.D., et al., *The 5th edition of the World Health Organization Classification of Haematolymphoid Tumours: Myeloid and Histiocytic/Dendritic Neoplasms*. Leukemia, 2022. **36**(7): p. 1703-1719.
3. Campo, E., et al., *The International Consensus Classification of Mature Lymphoid Neoplasms: a report from the Clinical Advisory Committee*. Blood, 2022. **140**(11): p. 1229-1253.
4. Society, A.C. *Key Statistics for Non-Hodgkin Lymphoma*. 2024 12/27/24]; Available from: <https://www.cancer.org/cancer/types/non-hodgkin-lymphoma/about/key-statistics.html>.
5. Thandra, K.C., et al., *Epidemiology of Non-Hodgkin's Lymphoma*. Med Sci (Basel), 2021. **9**(1).
6. Blombery, P.A., M. Wall, and J.F. Seymour, *The molecular pathogenesis of B-cell non-Hodgkin lymphoma*. Eur J Haematol, 2015. **95**(4): p. 280-93.
7. Cheson, B.D., et al., *Recommendations for initial evaluation, staging, and response assessment of Hodgkin and non-Hodgkin lymphoma: the Lugano classification*. J Clin Oncol, 2014. **32**(27): p. 3059-68.
8. Azam, F., et al., *Performance Status Assessment by Using ECOG (Eastern Cooperative Oncology Group) Score for Cancer Patients by Oncology Healthcare Professionals*. Case Rep Oncol, 2019. **12**(3): p. 728-736.
9. Xiaoting, S., et al., *Environmental risk factors for non-Hodgkin's lymphoma: umbrella review and comparison of meta-analyses of summary and individual participant data*. BMJ Medicine, 2022. **1**(1): p. e000184.
10. Cerhan, J.R. and S.L. Slager, *Familial predisposition and genetic risk factors for lymphoma*. Blood, 2015. **126**(20): p. 2265-73.
11. Mai, P.L., et al., *Risks of first and subsequent cancers among TP53 mutation carriers in the National Cancer Institute Li-Fraumeni syndrome cohort*. Cancer, 2016. **122**(23): p. 3673-3681.
12. Shannon-Lowe, C., A.B. Rickinson, and A.I. Bell, *Epstein-Barr virus-associated lymphomas*. Philos Trans R Soc Lond B Biol Sci, 2017. **372**(1732).
13. Thorley-Lawson, D.A., et al., *The pathogenesis of Epstein-Barr virus persistent infection*. Curr Opin Virol, 2013. **3**(3): p. 227-32.
14. MacMahon, E.M., et al., *Epstein-Barr virus in AIDS-related primary central nervous system lymphoma*. Lancet, 1991. **338**(8773): p. 969-73.
15. Vaccher, E., A. Gloghini, and A. Carbone, *HIV-related lymphomas*. Curr Opin Oncol, 2022. **34**(5): p. 439-445.
16. Peveling-Oberhag, J., et al., *Hepatitis C-associated B-cell non-Hodgkin lymphomas. Epidemiology, molecular signature and clinical management*. J Hepatol, 2013. **59**(1): p. 169-77.
17. Panfil, A.R., et al., *Human T-cell leukemia virus-associated malignancy*. Curr Opin Virol, 2016. **20**: p. 40-46.
18. Joks, M.M., et al., *Breast Implant-Associated Anaplastic Large Cell Lymphoma: Where Hematology and Plastic Surgery Meet*. Clin Lymphoma Myeloma Leuk, 2024. **24**(9): p. e293-e300.
19. Biernat, M.M. and T. Wróbel, *Bacterial Infection and Non-Hodgkin B-Cell Lymphoma: Interactions between Pathogen, Host and the Tumor Environment*. Int J Mol Sci, 2021.

- 22**(14).
20. Li, Y., et al., *Global prevalence of Helicobacter pylori infection between 1980 and 2022: a systematic review and meta-analysis*. Lancet Gastroenterol Hepatol, 2023. **8**(6): p. 553-564.
 21. Wotherspoon, A.C., et al., *Helicobacter pylori-associated gastritis and primary B-cell gastric lymphoma*. Lancet, 1991. **338**(8776): p. 1175-6.
 22. MacDougall, K., et al., *Impact of Race and Age and their Interaction on Survival Outcomes in Patients With Diffuse Large B-Cell Lymphoma*. Clinical Lymphoma Myeloma and Leukemia, 2023. **23**(5): p. 379-384.
 23. Sehn, L.H. and G. Salles, *Diffuse Large B-Cell Lymphoma*. N Engl J Med, 2021. **384**(9): p. 842-858.
 24. Camus, V., F. Drieux, and F. Jardin, *State of the art in the diagnosis, biology and treatment of primary mediastinal B-cell lymphoma: a review*. Annals of Lymphoma, 2022. **6**.
 25. Peprah, S., et al., *Risk factors for Burkitt lymphoma in East African children and minors: A case-control study in malaria-endemic regions in Uganda, Tanzania and Kenya*. International journal of cancer, 2020. **146**(4): p. 953-969.
 26. Radkiewicz, C., et al., *Sex differences in lymphoma incidence and mortality by subtype: A population-based study*. Am J Hematol, 2023. **98**(1): p. 23-30.
 27. Susanibar-Adaniya, S. and S.K. Barta, *2021 Update on Diffuse large B cell lymphoma: A review of current data and potential applications on risk stratification and management*. American Journal of Hematology, 2021. **96**(5): p. 617-629.
 28. Wang, S.S., *Epidemiology and etiology of diffuse large B-cell lymphoma*. Semin Hematol, 2023. **60**(5): p. 255-266.
 29. Mellemkjaer, L., et al., *Autoimmune disease in individuals and close family members and susceptibility to non-Hodgkin's lymphoma*. Arthritis Rheum, 2008. **58**(3): p. 657-66.
 30. Anderson, L.A., et al., *Population-based study of autoimmune conditions and the risk of specific lymphoid malignancies*. Int J Cancer, 2009. **125**(2): p. 398-405.
 31. Cerhan, J.R., et al., *Medical History, Lifestyle, Family History, and Occupational Risk Factors for Diffuse Large B-Cell Lymphoma: The InterLymph Non-Hodgkin Lymphoma Subtypes Project*. JNCI Monographs, 2014. **2014**(48): p. 15-25.
 32. Castillo, J.J., et al., *Obesity is associated with increased relative risk of diffuse large B-cell lymphoma: a meta-analysis of observational studies*. Clin Lymphoma Myeloma Leuk, 2014. **14**(2): p. 122-30.
 33. Lichtman, M.A., *Obesity and the risk for a hematological malignancy: leukemia, lymphoma, or myeloma*. Oncologist, 2010. **15**(10): p. 1083-101.
 34. Sehn, L.H., et al., *The revised International Prognostic Index (R-IPI) is a better predictor of outcome than the standard IPI for patients with diffuse large B-cell lymphoma treated with R-CHOP*. Blood, 2007. **109**(5): p. 1857-61.
 35. Network, N.C.C. *B-Cell Lymphomas Version 1.2025 2024 12/27/24*]; Available from: https://www.nccn.org/professionals/physician_gls/pdf/b-cell.pdf.
 36. Tilly, H., et al., *Polatuzumab Vedotin in Previously Untreated Diffuse Large B-Cell Lymphoma*. N Engl J Med, 2022. **386**(4): p. 351-363.
 37. Wang, Y., et al., *Late Relapses in Patients With Diffuse Large B-Cell Lymphoma Treated With Immunochemotherapy*. J Clin Oncol, 2019. **37**(21): p. 1819-1827.
 38. Cunningham, D., et al., *Rituximab plus cyclophosphamide, doxorubicin, vincristine, and prednisolone in patients with newly diagnosed diffuse large B-cell non-Hodgkin lymphoma: a phase 3 comparison of dose intensification with 14-day versus 21-day cycles*. The Lancet, 2013. **381**(9880): p. 1817-1826.

39. Vaidya, R. and T.E. Witzig, *Prognostic factors for diffuse large B-cell lymphoma in the R(X)CHOP era*. Annals of Oncology, 2014. **25**(11): p. 2124-2133.

Attachment A – Curriculum Vitae

CURRICULUM VITAE



Richard F. Ambinder, MD, PhD

April 8, 2025

DEMOGRAPHIC AND PERSONAL INFORMATION

Current Appointments:

University: Program Co-Leader, Hematological Malignancies and Bone Marrow Transplantation
James B. Murphy Professor of Oncology
Professor, Department of Pharmacology and Molecular Sciences
Professor, Department of Pathology
Professor, Department of Medicine
The Johns Hopkins University School of Medicine

Hospital: Active Staff
The Johns Hopkins Hospital
The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins
Baltimore, Maryland

Personal Data:

Business Address: The Bunting-Blaustein Cancer Research Building
1650 Orleans Street, Room 389
Baltimore, MD 21287
Tel. 410 614-0358
Fax 410 955-0960
Email: rambind1@jhmi.edu

Education and Training:

Undergraduate:
1972-75 B.A., Biochemistry, *cum laude* in General Studies, Harvard College, Cambridge
Massachusetts

Doctoral/Graduate:
1975-79 M.D., Johns Hopkins University School of Medicine, Baltimore, Maryland

Postdoctoral:
1979-81 Residency in Internal Medicine. Johns Hopkins Hospital, Baltimore, Maryland
1981-82 Fellowship in Medicine, Johns Hopkins Hospital, Baltimore, Maryland

1982-84 Fellowship in Oncology, Johns Hopkins University School of Medicine, Baltimore, Maryland
 1985-89 Ph.D., Pharmacology and Molecular Sciences, Johns Hopkins University School of Medicine, Baltimore, Maryland

Professional Experience

1981-84 Assistant, Department of Oncology, Johns Hopkins School of Medicine, Baltimore, Maryland
 1981-84 Associate Staff, Oncology, The Johns Hopkins Hospital, Baltimore, Maryland
 1984-89 Instructor, Department of Oncology, Johns Hopkins School of Medicine
 1984-present Active Staff, Oncology, The Johns Hopkins Hospital, Baltimore, Maryland
 1989-93 Assistant Professor of Oncology, The Johns Hopkins University School of Medicine, Baltimore, Maryland
 1991-93 Assistant Professor, Pharmacology and Molecular Sciences, The Johns Hopkins University School of Medicine, Baltimore, Maryland
 1993-98 Associate Professor of Oncology, The Johns Hopkins University School of Medicine, Baltimore, Maryland
 1998-present Professor, Oncology, Pharmacology and Molecular Sciences, Pathology, Medicine, The Johns Hopkins University School of Medicine, Baltimore, Maryland
 2000-present Director, Division of Hematologic Malignancies (Lymphoma, Myeloma, Leukemia, BMT), Department of Oncology
 2000-present James B. Murphy Professor of Oncology
 2002-2010 Director Johns Hopkins Lymphoma SPORE
 2017-present NCCN Cancer in HIV Positive Patients Panel, The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins, Baltimore, Maryland
 2017-2020 Associate Editor for the Journal of Clinical Investigation
 2018-present Editorial Board for Infectious Agents and Cancer

RESEARCH ACTIVITIES

Publications: Peer-reviewed Original Science Research

1. **Ambinder RF**, Burns W, Forman M, Charache P, Arthur R, Beschoner W, Santos G, Saral R. Hemorrhagic cystitis associated with adenovirus infection in bone marrow transplantation. Arch Intern Med. 1986;146(7):1400-1. PMID: 3013110.
2. **Ambinder RF**, Charache P, Staal S, Wright P, Forman M, Hayward SD, Hayward GS. The vector homology problem in diagnostic nucleic acid hybridization of clinical specimens. J Clin Microbiol. 1986;24(1):16-20. PMID: 3013928.
3. Epstein JI, **Ambinder RF**, Kuhajda F, Pearlman SH, and Mann RB. Localized Herpes Simplex Lymphadenitis: A New Syndrome. Am J Clin Pathol. 1986;86(4):444-448.
4. Yeager AM, Kaizer H, Braine HG, Colvin M, Rowley SD, Saral R, Fuller DJ, **Ambinder RF**, Burns WH, May S, Sensenbrenner LL, Stuart RK, Vogelsang GB, Wingard JR, and Santos GW. Autologous Bone Marrow Transplantation in Patients With Acute Nonlymphocytic Leukemia: A Study of Ex Vivo Marrow Treatment with 4-Hydroperoxycyclophosphamide. N Engl J Med. 1986;315:141-147. PMID: 2240470.
5. **Ambinder RF**, Newman C, Hayward GS, Biggar R, Melbye M, Kestens L, Van Marck E, Piot P, Gigase P, Wright PB, et al. Lack of association of cytomegalovirus with endemic African Kaposi's sarcoma. J Infect Dis. 1987;156(1):193-7. PMID: 3036956.
6. Pepose JS, Newman C, Bach MC, Quinn TC, **Ambinder RF**, Holland GN, Hodstrom PS, Frey HM, and Foos RY. Pathologic Features of Cytomegalovirus Retinopathy Following Treatment with the Antiviral Agent Ganciclovir. Ophthalm. 1987;94:414-424.

7. Schachat AP, Jabs DA, Graham ML, **Ambinder RF**, Green WR, Saral R. Leukemic iris infiltration. *J Pediatr Ophthalmol Strabismus*. 1988;25(3):135-8. PMID: 3165128.
8. Geller RB, Saral R, Piantadosi S, Zahurak M, Vogelsang GB, Wingard JR, **Ambinder RF**, Beschorner WB, Braine HG, Burns WH, et al. Allogeneic bone marrow transplantation after high-dose busulfan and cyclophosphamide in patients with acute nonlymphocytic leukemia. *Blood*. 1989;73(8):2209-18. PMID: 2659102.
9. Staal SP, **Ambinder R**, Beschorner WE, Hayward GS, Mann R. A survey of Epstein-Barr virus DNA in lymphoid tissue. Frequent detection in Hodgkin's disease. *Am J Clin Pathol*. 1989;91(1):1-5. PMID: 2535912.
10. **Ambinder RF**, Shah WA, Rawlins DR, Hayward GS, Hayward SD. Definition of the sequence requirements for binding of the EBNA-1 protein to its palindromic target sites in Epstein-Barr virus DNA. *J Virol*. 1990;64(5):2369-79. PMID: 2157891.
11. Jones RJ, Piantadosi S, Mann RB, **Ambinder RF**, Seifter EJ, Vriesendorp HM, Abeloff MD, Burns WH, May WS, Rowley SD, et al. High-dose cytotoxic therapy and bone marrow transplantation for relapsed Hodgkin's disease. *J Clin Oncol*. 1990;8(3):527-37. PMID: 2307990.
12. Wingard JR, Piantadosi S, Santos GW, Saral R, Vriesendorp HM, Yeager AM, Burns WH, **Ambinder RF**, Braine HG, Elfenbein G, et al. Allogeneic bone marrow transplantation for patients with high-risk acute lymphoblastic leukemia. *J Clin Oncol*. 1990;8(5):820-30. PMID: 2332770.
13. **Ambinder RF**, Lambe BC, Mann RB, Hayward SD, Zehnbaauer BA, Burns WS, Charache P. Oligonucleotides for polymerase chain reaction amplification and hybridization detection of Epstein-Barr virus DNA in clinical specimens. *Mol Cell Probes*. 1990;4(5):397-407. PMID: 2177846.
14. Hruban RH, Wu TC, Beschorner WE, Cameron DE, **Ambinder RF**, Baumgartner WA, Reitz BA, Hutchins GM. Cytomegalovirus nucleic acids in allografted hearts. *Hum Pathol*. 1990;21(9):981-2. PMID: 2168339.
15. Wu TC, Mann RB, Charache P, Hayward SD, Staal S, Lambe BC, **Ambinder RF**. Detection of EBV gene expression in Reed-Sternberg cells of Hodgkin's disease. *Int J Cancer*. 1990;46(5):801-4. PMID: 2172169.
16. Jones RJ, **Ambinder RF**, Piantadosi S, Santos GW. Evidence of a graft-versus-lymphoma effect associated with allogeneic bone marrow transplantation. *Blood*. 1991;77(3):649-53. PMID: 1991174.
17. **Ambinder RF**, Mullen MA, Chang YN, Hayward GS, Hayward SD. Functional domains of Epstein-Barr virus nuclear antigen EBNA-1. *J Virol*. 1991;65(3):1466-78. PMID: 1847464.
18. Wu TC, Mann RB, Epstein JI, MacMahon E, Lee WA, Charache P, Hayward SD, Kurman RJ, Hayward GS, **Ambinder RF**. Abundant expression of EBER1 small nuclear RNA in nasopharyngeal carcinoma. A morphologically distinctive target for detection of Epstein-Barr virus in formalin-fixed paraffin-embedded carcinoma specimens. *Am J Pathol*. 1991;138(6):1461-9. PMID: 1647139.
19. MacMahon EM, Glass JD, Hayward SD, Mann RB, Becker PS, Charache P, McArthur JC, **Ambinder RF**. Epstein-Barr virus in AIDS-related primary central nervous system lymphoma. *Lancet*. 1991;338(8773):969-73. PMID: 1681341.
20. Wu TC, Hruban RH, **Ambinder RF**, Pizzorno M, Cameron DE, Baumgartner WA, Reitz BA, Hayward GS, Hutchins GM. Demonstration of cytomegalovirus nucleic acids in the coronary arteries of transplanted hearts. *Am J Pathol*. 1992;140(3):739-47. PMID: 1312309.
21. Griffin CA, Zehnbaauer BA, Beschorner WE, **Ambinder R**, Mann R. t(11;18)(q21;q21) is a recurrent chromosome abnormality in small lymphocytic lymphoma. *Genes Chromosomes Cancer*. 1992;4(2):153-7. PMID: 1373316.
22. Wagner JE, Zahurak M, Piantadosi S, Geller RB, Vogelsang GB, Wingard JR, Saral R, Griffin C, Shah N, Zehnbaauer BA, **Ambinder RF**, et al. Bone marrow transplantation of chronic

- myelogenous leukemia in chronic phase: evaluation of risks and benefits. *J Clin Oncol*. 1992;10(5):779-89. PMID: 1569450.
23. Shah WA, **Ambinder RF**, Hayward GS, Hayward SD. Binding of EBNA-1 to DNA creates a protease-resistant domain that encompasses the DNA recognition and dimerization functions. *J Virol*. 1992;66(6):3355-62. PMID: 1316452.
 24. Mann RB, Wu TC, MacMahon EM, Ling Y, Charache P, **Ambinder RF**. In situ localization of Epstein-Barr virus in thymic carcinoma. *Mod Pathol*. 1992;5(4):363-6. PMID: 1323108.
 25. **Ambinder RF**, Browning PJ, Lorenzana I, Leventhal BG, Cosenza H, Mann RB, MacMahon EM, Medina R, Cardona V, Grufferman S, et al. Epstein-Barr virus and childhood Hodgkin's disease in Honduras and the United States. *Blood*. 1993;81(2):462-7. PMID: 8380725.
 26. Barletta JM, Kingma DW, Ling Y, Charache P, Mann RB, **Ambinder RF**. Rapid in situ hybridization for the diagnosis of latent Epstein-Barr virus infection. *Mol Cell Probes*. 1993;7(2):105-9. PMID: 8391639.
 27. May WS, Sensenbrenner LL, Burns WH, **Ambinder R**, Carroll MP, Griffin CA, Jones RJ, Miller CB, Mellits ED, Vogelsang GB, et al. BMT for severe aplastic anemia using cyclosporine. *Bone Marrow Transplant*. 1993;11(6):459-64. PMID: 8334426.
 28. Ryon JJ, Hayward SD, MacMahon EM, Mann RB, Ling Y, Charache P, Phelan JA, Miller G, **Ambinder RF**. In situ detection of lytic Epstein-Barr virus infection: expression of the NotI early gene and viral interleukin-10 late gene in clinical specimens. *J Infect Dis*. 1993;168(2):345-51. PMID: 8393057.
 29. Kingma DW, Medeiros LJ, Barletta J, Raffeld M, Mann RB, **Ambinder RF**, Jaffe ES. Epstein-Barr virus is infrequently identified in non-Hodgkin's lymphomas associated with Hodgkin's disease. *Am J Surg Pathol*. 1994;18(1):48-61. PMID: 8279628.
 30. Murray PG, Deacon E, Young LS, Barletta JM, Mann RB, **Ambinder RF**, Rowlands DC, Jones EL, Ramsay AD, Crocker J. Localization of Epstein-Barr virus in Castleman's disease by in situ hybridization and immunohistochemistry. *Hematol Pathol*. 1995;9(1):17-26. PMID: 7628995.
 31. DiGiuseppe JA, Wu TC, Zehnbauser BA, McDowell PR, Barletta JM, **Ambinder RF**, Mann RB. Epstein-Bar virus and progression of non-Hodgkin's lymphoma to Ki-1-positive, anaplastic large cell phenotype. *Mod Pathol*. 1995;8(5):553-9. PMID: 7675777.
 32. Bedi A, Miller CB, Hanson JL, Goodman S, **Ambinder RF**, Charache P, Arthur RR, Jones RJ. Association of BK virus with failure of prophylaxis against hemorrhagic cystitis following bone marrow transplantation. *J Clin Oncol*. 1995;13(5):1103-9. PMID: 7738616.
 33. Siebert JD, **Ambinder RF**, Napoli VM, Quintanilla-Martinez L, Banks PM, Gulley ML. Human immunodeficiency virus-associated Hodgkin's disease contains latent, not replicative, Epstein-Barr virus. *Hum Pathol*. 1995;26(11):1191-5. PMID: 7590691.
 34. Robertson KD, Hayward SD, Ling PD, Samid D, **Ambinder RF**. Transcriptional activation of the Epstein-Barr virus latency C promoter after 5-azacytidine treatment: evidence that demethylation at a single CpG site is crucial. *Mol Cell Biol*. 1995;15(11):6150-9. PMID: 7565767.
 35. Murray PG, Swinnen LJ, Constandinou CM, Pyle JM, Carr TJ, Hardwick JM and **Ambinder RF**. bcl-2 But not the EBV-encoded bcl-2 Homologue, BHRF-1, is Commonly Expressed in Post-transplantation Lymphoproliferative Disorders. *Blood*. 1996;87:706-711.
 36. Lin AY, Kingma DW, Lennette ET, Fears TR, Whitehouse JM, **Ambinder RF**, Jaffe ES, Levine PH, Tucker MA. Epstein-Barr virus and familial Hodgkin's disease. *Blood*. 1996;88(8):3160-5. PMID: 8874216.
 37. Robertson KD, Manns A, Swinnen LJ, Zong JC, Gulley ML, **Ambinder RF**. CpG methylation of the major Epstein-Barr virus latency promoter in Burkitt's lymphoma and Hodgkin's disease. *Blood*. 1996;88(8):3129-36. PMID: 8874213.
 38. Sing AP, **Ambinder RF**, Hong DJ, Jensen M, Batten W, Petersdorf E, Greenberg PD. Isolation of Epstein-Barr virus (EBV)-specific cytotoxic T lymphocytes that lyse Reed-Sternberg cells: implications for immune-mediated therapy of EBV+ Hodgkin's disease. *Blood*. 1997;89(6):1978-86. PMID: 9058719.

39. Glaser SL, Lin RJ, Stewart SL, **Ambinder RF**, Jarrett RF, Brousset P, Pallesen G, Gulley ML, Khan G, O'Grady J, Hummel M, Preciado MV, Knecht H, Chan JK, Claviez A. Epstein-Barr virus-associated Hodgkin's disease: epidemiologic characteristics in international data. *Int J Cancer*. 1997 Feb 7;70(4):375-82. PMID: 9033642.
40. Abrams RA, Liu PJ, **Ambinder RF**, Haulk TL, Korman LT, Herman MG, Jones RJ. Hodgkin and non-Hodgkin lymphoma: local-regional radiation therapy after bone marrow transplantation. *Radiology*. 1997;203(3):865-70. PMID: 9169718.
41. Robertson KD, **Ambinder RF**. Mapping promoter regions that are hypersensitive to methylation-mediated inhibition of transcription: application of the methylation cassette assay to the Epstein-Barr virus major latency promoter. *J Virol*. 1997;71(9):6445-54. PMID: 9261362.
42. Robertson KD, **Ambinder RF**. Methylation of the Epstein-Barr virus genome in normal lymphocytes. *Blood*. 1997;90(11):4480-4. PMID: 9373258.
43. Eigenmann PA, **Ambinder RF**, Lederman HM. Chronic sinusitis with acquired immunoglobulin A (IgA) deficiency after bone marrow transplantation. *Otolaryngol Head Neck Surg*. 1997;117(6):S226-8. PMID: 9419155.
44. Glaser SL, **Ambinder RF**, DiGiuseppe JA, Horn-Ross PL, and Hsu JL. Absence of Epstein-Barr Virus EBER Transcripts in an Epidemiologically Diverse Group of Breast Cancers. *Int J Cancer*. 1998; 75:555-558.
45. Tao Q, Robertson KD, Manns A, Hildesheim A, **Ambinder RF**. Epstein-Barr virus (EBV) in endemic Burkitt's lymphoma: molecular analysis of primary tumor tissue. *Blood*. 1998;91(4):1373-81. Erratum in: *Blood* 1998 Apr 15;91(8):3091. PMID: 9454768.
46. Tsai ST, Jin YT, Mann RB, **Ambinder RF**. Epstein-Barr virus detection in nasopharyngeal tissues of patients with suspected nasopharyngeal carcinoma. *Cancer*. 1998;82(8):1449-53. PMID: 9554519.
47. Orentas RJ, Lemas MV, Mullin MJ, Colombani PM, Schwarz K, **Ambinder R**. Feasibility of cellular adoptive immunotherapy for Epstein-Barr virus-associated lymphomas using haploidentical donors. *J Hematother*. 1998;7(3):257-61. PMID: 9621259.
48. Tao Q, Swinnen LJ and **Ambinder RF**. Letter to the Editor. Nearly Equal Distribution of Wild and 30-bp Deleted LMP1 Gene of Epstein-Barr Virus (EBV) but Prevalence of Type A EBV in Post Transplant Lymphoma. *Am J Pathol*. 1998; 152:1398-1399.
49. Tao Q, Robertson KD, Manns A, Hildesheim A, **Ambinder RF**. The Epstein-Barr virus major latent promoter Qp is constitutively active, hypomethylated, and methylation sensitive. *J Virol*. 1998;72(9):7075-83. PMID: 9696800.
50. Murray PG, Constandinou CM, Crocker J, Young LS, **Ambinder RF**. Analysis of major histocompatibility complex class I, TAP expression, and LMP2 epitope sequence in Epstein-Barr virus-positive Hodgkin's disease. *Blood*. 1998;92(7):2477-83. PMID: 9746788.
51. Sleekman BG, Mauch PM, **Ambinder RF**, Mann R, Pinkus GS, Kadin ME, Sherburne B, Perez-Atayde A, Thior I, Mueller N. Epstein-Barr virus in Hodgkin's disease: correlation of risk factors and disease characteristics with molecular evidence of viral infection. *Cancer Epidemiol Biomarkers Prev*. 1998;7(12):1117-21. PMID: 9865430.
52. Echavarria MS, Ray SC, Ambinder R, Dumler JS, Charache P. PCR detection of adenovirus in a bone marrow transplant recipient: hemorrhagic cystitis as a presenting manifestation of disseminated disease. *J Clin Microbiol*. 1999;37(3):686-9. PMID: 9986832.
53. Chen H, Smith P, **Ambinder RF**, Hayward SD. Expression of Epstein-Barr virus BamHI-A rightward transcripts in latently infected B cells from peripheral blood. *Blood*. 1999;93(9):3026-32. PMID: 10216099.
54. Cannon JS, Hamzeh F, Moore S, Nicholas J, **Ambinder RF**. Human herpesvirus 8-encoded thymidine kinase and phosphotransferase homologues confer sensitivity to ganciclovir. *J Virol*. 1999;73(6):4786-93. PMID: 10233939.
55. Poole LJ, Zong JC, Ciufu DM, Alcendor DJ, Cannon JS, **Ambinder R**, Orenstein JM, Reitz MS, Hayward GS. Comparison of genetic variability at multiple loci across the genomes of the major

- subtypes of Kaposi's sarcoma-associated herpesvirus reveals evidence for recombination and for two distinct types of open reading frame K15 alleles at the right-hand end. *J Virol.* 1999;73(8):6646-60. PMID: 10400762.
56. Tao Q, Swinnen LJ, Yang J, Srivastava G, Robertson KD, **Ambinder RF**. Methylation status of the Epstein-Barr virus major latent promoter C in iatrogenic B cell lymphoproliferative disease. Application of PCR-based analysis. *Am J Pathol.* 1999;155(2):619-25. PMID: 10433954.
 57. Chen H, Lee JM, Wang Y, Huang DP, **Ambinder RF**, Hayward SD. The Epstein-Barr virus latency BamHI-Q promoter is positively regulated by STATs and Zta interference with JAK/STAT activation leads to loss of BamHI-Q promoter activity. *Proc Natl Acad Sci U S A.* 1999;96(16):9339-44. PMID: 10430944.
 58. Cannon JS, Nicholas J, Orenstein JM, Mann RB, Murray PG, Browning PJ, DiGiuseppe JA, Cesarman E, Hayward GS, **Ambinder RF**. Heterogeneity of viral IL-6 expression in HHV-8-associated diseases. *J Infect Dis.* 1999;180(3):824-8. PMID: 10438372.
 59. Tao Q, **Ambinder RF**. Lack of Kaposi's sarcoma-associated virus (KSHV) and detection of human herpes virus 6 and 7 by PCR in African Burkitt's lymphoma from HIV-negative patients. *Hum Pathol.* 1999;30(10):1269-70. PMID: 10534180.
 60. Schroeder JR, Saah AJ, Hoover DR, Margolick JB, Ambinder RF, Martinez-Maza O, Breen EC, Jacobson LP, Variakojis D, Rowe DT, Armenian HK. Serum soluble CD23 level correlates with subsequent development of AIDS-related non-Hodgkin's lymphoma. *Cancer Epidemiol Biomarkers Prev.* 1999;8(11):979-84. PMID: 10566552.
 61. Schroeder JR, Saah AJ, **Ambinder RF**, Martinez-Maza O, Crabb Breen E, Variakojis D, Margolick JB, Jacobson LP, Rowe DT, Hoover DR. Serum sCD23 level in patients with AIDS-related non-Hodgkin's lymphoma is associated with absence of Epstein-Barr virus in tumor tissue. *Clin Immunol.* 1999;93(3):239-44. PMID: 10600334.
 62. Yang J, Lemas VM, Flinn IW, Krone C, **Ambinder RF**. Application of the ELISPOT assay to the characterization of CD8(+) responses to Epstein-Barr virus antigens. *Blood.* 2000;95(1):241-8. PMID: 10607708.
 63. Cannon JS, Ciufu D, Hawkins AL, Griffin CA, Borowitz MJ, Hayward GS, **Ambinder RF**. A new primary effusion lymphoma-derived cell line yields a highly infectious Kaposi's sarcoma herpesvirus-containing supernatant. *J Virol.* 2000;74(21):10187-93. PMID: 11024147.
 64. Yang J, Tao Q, Flinn IW, Murray PG, Post LE, Ma H, Piantadosi S, Caligiuri MA, **Ambinder RF**. Characterization of Epstein-Barr virus-infected B cells in patients with posttransplantation lymphoproliferative disease: disappearance after rituximab therapy does not predict clinical response. *Blood.* 2000;96(13):4055-63. PMID: 11110673.
 65. Flinn IW, O'Donnell PV, Goodrich A, Vogelsang G, Abrams R, Noga S, Marcellus D, Borowitz M, Jones R, **Ambinder RF**. Immunotherapy with rituximab during peripheral blood stem cell transplantation for non-Hodgkin's lymphoma. *Biol Blood Marrow Transplant.* 2000;6(6):628-32. PMID: 11128813.
 66. Flinn IW, Goodman SN, Post L, Jamison J, Miller CB, Gore S, Diehl L, Willis C, **Ambinder RF**, Byr JC. A dose-finding study of liposomal daunorubicin with CVP (COP-X) in advanced NHL. *Ann Oncol.* 2000;11(6):691-5. PMID: 10942057.
 67. Flinn IW, Byrd JC, Morrison C, Jamison J, Diehl LF, Murphy T, Piantadosi S, Seifter E, **Ambinder RF**, Vogelsang G, Grever MR. Fludarabine and cyclophosphamide with filgrastim support in patients with previously untreated indolent lymphoid malignancies. *Blood.* 2000;96(1):71-5. PMID: 10891432.
 68. Chen H, Lee JM, Zong Y, Borowitz M, Ng MH, Ambinder RF, Hayward SD. Linkage between STAT regulation and Epstein-Barr virus gene expression in tumors. *J Virol.* 2001;75(6):2929-37. PMID: 11222718.
 69. Clarke CA, Glaser SL, Dorfman RF, Mann R, DiGiuseppe JA, Prehn AW, **Ambinder RF**. Epstein-Barr virus and survival after Hodgkin disease in a population-based series of women. *Cancer.* 2001;91(8):1579-87. PMID: 11301409.

70. Ratner L, Lee J, Tang S, Redden D, Hamzeh F, Herndier B, Scadden D, Kaplan L, **Ambinder R**, Levine A, Harrington W, Grochow L, Flexner C, Tan B, Straus D; AIDS Malignancy Consortium. Chemotherapy for human immunodeficiency virus-associated non-Hodgkin's lymphoma in combination with highly active antiretroviral therapy. *J Clin Oncol*. 2001;19(8):2171-8. PMID: 11304769.
71. Ciufu DM, Cannon JS, Poole LJ, Wu FY, Murray P, **Ambinder RF**, Hayward GS. Spindle cell conversion by Kaposi's sarcoma-associated herpesvirus: formation of colonies and plaques with mixed lytic and latent gene expression in infected primary dermal microvascular endothelial cell cultures. *J Virol*. 2001;75(12):5614-26. PMID: 11356969.
72. Moore SM, Cannon JS, Tanhehco YC, Hamzeh FM, **Ambinder RF**. Induction of Epstein-Barr virus kinases to sensitize tumor cells to nucleoside analogues. *Antimicrob Agents Chemother*. 2001;45(7):2082-91. PMID: 11408227.
73. Murray PG, Flavell JR, Baumforth KR, Toomey SM, Lowe D, Crocker J, **Ambinder RF**, Young LS. Expression of the tumour necrosis factor receptor-associated factors 1 and 2 in Hodgkin's disease. *J Pathol*. 2001;194(2):158-64. PMID: 11400143.
74. Murray PG, Swinnen LJ, Flavell JR, Ragni MV, Baumforth KR, Toomey SM, Filipovich AH, Lowe D, Schnell CS, Johl J, Gulley M, Young LS, **Ambinder RF**. Frequent expression of the tumor necrosis factor receptor-associated factor 1 in latent membrane protein 1-positive posttransplant lymphoproliferative disease and HIV-associated lymphomas. *Hum Pathol*. 2001;32(9):963-9. PMID: 11567226.
75. Akpek G, **Ambinder RF**, Piantadosi S, Abrams RA, Brodsky RA, Vogelsang GB, Zahurak ML, Fuller D, Miller CB, Noga SJ, Fuchs E, Flinn IW, O'Donnell P, Seifter EJ, Mann RB, Jones RJ. Long-term results of blood and marrow transplantation for Hodgkin's lymphoma. *J Clin Oncol*. 2001;19(23):4314-21. PMID: 11731514.
76. Berdeja JG, Jones RJ, Zahurak ML, Piantadosi S, Abrams RA, Borowitz MJ, Vogelsang GB, Noga SJ, **Ambinder RF**, Flinn IW. Allogeneic bone marrow transplantation in patients with sensitive low-grade lymphoma or mantle cell lymphoma. *Biol Blood Marrow Transplant*. 2001;7(10):561-7. PMID: 11760088.
77. Chiou CJ, Poole LJ, Kim PS, Ciufu DM, Cannon JS, ap Rhys CM, Alcendor DJ, Zong JC, **Ambinder RF**, Hayward GS. Patterns of gene expression and a transactivation function exhibited by the vGCR (ORF74) chemokine receptor protein of Kaposi's sarcoma-associated herpesvirus. *J Virol*. 2002;76(7):3421-39. PMID: 11884567.
78. Gulley ML, Glaser SL, Craig FE, Borowitz M, Mann RB, Shema SJ, **Ambinder RF**. Guidelines for interpreting EBER in situ hybridization and LMP1 immunohistochemical tests for detecting Epstein-Barr virus in Hodgkin lymphoma. *Am J Clin Pathol*. 2002;117(2):259-67. PMID: 11863222.
79. Tao Q, Yang J, Huang H, Swinnen LJ, **Ambinder RF**. Conservation of Epstein-Barr virus cytotoxic T-cell epitopes in posttransplant lymphomas: implications for immune therapy. *Am J Pathol*. 2002;160(5):1839-45. PMID: 12000735.
80. Meij P, Vervoort MB, Bloemena E, Schouten TE, Schwartz C, Grufferman S, **Ambinder RF**, Middeldorp JM. Antibody responses to Epstein-Barr virus-encoded latent membrane protein-1 (LMP1) and expression of LMP1 in juvenile Hodgkin's disease. *J Med Virol*. 2002;68(3):370-7. PMID: 12226824.
81. Smith BD, Jones RJ, Lee SM, Piantadosi S, Vala MS, Fuller D, Gore SD, Noga SJ, O'Donnell PV, Braine H, Vogelsang GB, Fuchs EJ, Flinn IW, Brodsky RA, **Ambinder RF**, Miller CB. Autologous bone marrow transplantation with 4-hydroperoxycyclophosphamide purging for acute myeloid leukaemia beyond first remission: a 10-year experience. *Br J Haematol*. 2002;117(4):907-13. PMID: 12060130.
82. Song DY, Jones RJ, Welsh JS, Haulk TL, Korman LT, Noga S, Goodman S, Herman M, Mann R, Marcellus D, Vogelsang G, **Ambinder RF**, Abrams RA. Phase I study of escalating doses of low-dose-rate, locoregional irradiation preceding Cytoxan-TBI for patients with chemotherapy-

- resistant non-Hodgkin's or Hodgkin's lymphoma. *Int J Radiat Oncol Biol Phys*. 2003;57(1):166-71. PMID: 12909229.
83. Glaser SL, Clarke CA, Gulley ML, Craig FE, DiGiuseppe JA, Dorfman RF, Mann RB, **Ambinder RF**. Population-based patterns of human immunodeficiency virus-related Hodgkin lymphoma in the Greater San Francisco Bay Area, 1988-1998. *Cancer*. 2003;98(2):300-9. PMID: 12872349.
 84. Huff CA, Fuchs EJ, Noga SJ, O'Donnell PV, **Ambinder RF**, Diehl L, Borrello I, Vogelsang GB, Miller CB, Flinn IA, Brodsky RA, Marcellus D, Jones RJ. Long-term follow-up of T cell-depleted allogeneic bone marrow transplantation in refractory multiple myeloma: importance of allogeneic T cells. *Biol Blood Marrow Transplant*. 2003;9(5):312-9. PMID: 12766881.
 85. **Ambinder RF**, Lee S, Curran WJ, Sparano JA, Krigel RL, McArthur J, Schultz C, Freter CE, Kaplan L and VonRoenn JH. Phase II Intergroup Trial of Sequential Chemotherapy and Radiotherapy for AIDS-Related Primary Central Nervous System Lymphoma. *Cancer Therapy*. 2003;1:215-221.
 86. Huang J, Chen H, Hutt-Fletcher L, **Ambinder RF**, Hayward SD. Lytic viral replication as a contributor to the detection of Epstein-Barr virus in breast cancer. *J Virol*. 2003;77(24):13267-74. PMID: 14645583.
 87. Murray PG, Qiu GH, Fu L, Waites ER, Srivastava G, Heys D, Agathangelou A, Latif F, Grundy RG, Mann JR, Starczynski J, Crocker J, Parkes SE, **Ambinder RF**, Young LS, Tao Q. Frequent epigenetic inactivation of the RASSF1A tumor suppressor gene in Hodgkin's lymphoma. *Oncogene*. 2004;23(6):1326-31. PMID: 14961078.
 88. Chan AT, Tao Q, Robertson KD, Flinn IW, Mann RB, Klencke B, Kwan WH, Leung TW, Johnson PJ, **Ambinder RF**. Azacitidine induces demethylation of the Epstein-Barr virus genome in tumors. *J Clin Oncol*. 2004;22(8):1373-81. Epub 2004 Mar 8. PMID: 15007085.
 89. Glaser SL, Gulley ML, Borowitz MJ, Craig FE, Mann RB, Stewart SL, Shema SJ, **Ambinder RF**. Inter- and intra-observer reliability of Epstein-Barr virus detection in Hodgkin lymphoma using histochemical procedures. *Leuk Lymphoma*. 2004;45(3):489-97. PMID: 15160910.
 90. Glaser SL, Keegan TH, Clarke CA, Darrow LA, Gomez SL, Dorfman RF, Mann RB, DiGiuseppe JA, **Ambinder RF**. Smoking and Hodgkin lymphoma risk in women United States. *Cancer Causes Control*. 2004;15(4):387-97. PMID: 15141139.
 91. Orlowski RZ, Mills SR, Hartley EE, Ye X, Piantadosi S, **Ambinder RF**, Gore SD, Miller CB. Oral valacyclovir as prophylaxis against herpes simplex virus reactivation during high dose chemotherapy for leukemia. *Leuk Lymphoma*. 2004;45(11):2215-9. PMID: 15512809.
 92. Sparano JA, Lee S, Chen MG, Nazeer T, Einzig A, **Ambinder RF**, Henry DH, Manalo J, Li T, Von Roenn JH. Phase II trial of infusional cyclophosphamide, doxorubicin, and etoposide in patients with HIV-associated non-Hodgkin's lymphoma: an Eastern Cooperative Oncology Group Trial (E1494). *J Clin Oncol*. 2004;22(8):1491-500. PMID: 15084622.
 93. Ying J, Srivastava G, Gao Z, Zhang X, Murray P, **Ambinder R**, Tao Q. Promoter hypermethylation of the cyclin-dependent kinase inhibitor (CDKI) gene p21WAF1/CIP1/SDI1 is rare in various lymphomas and carcinomas. *Blood*. 2004;103(2):743-6. PMID: 14702288.
 94. Kasamon YL, Jones RJ, Piantadosi S, **Ambinder RF**, Abrams RA, Borowitz MJ, Morrison C, Smith BD, Flinn IW. High-dose therapy and blood or marrow transplantation for non-Hodgkin lymphoma with central nervous system involvement. *Biol Blood Marrow Transplant*. 2005;11(2):93-100. PMID: 15682069.
 95. Kasamon YL, Jones RJ, Diehl LF, Nayer H, Borowitz MJ, Garrett-Mayer E, **Ambinder RF**, Abrams RA, Zhang Z, Flinn IW. Outcomes of autologous and allogeneic blood or marrow transplantation for mantle cell lymphoma. *Biol Blood Marrow Transplant*. 2005;11(1):39-46. PMID: 15625543.
 96. Glaser SL, Keegan TH, Clarke CA, Trinh M, Dorfman RF, Mann RB, DiGiuseppe JA, **Ambinder RF**. Exposure to childhood infections and risk of Epstein-Barr virus--defined Hodgkin's lymphoma in women. *Int J Cancer*. 2005;115(4):599-605. PMID: 15700307.

97. Kaplan LD, Lee JY, **Ambinder RF**, Sparano JA, Cesarman E, Chadburn A, Levine AM, Scadden DT. Rituximab does not improve clinical outcome in a randomized phase 3 trial of CHOP with or without rituximab in patients with HIV-associated non-Hodgkin lymphoma: AIDS-Malignancies Consortium Trial 010. *Blood*. 2005;106(5):1538-43. Epub 2005 May 24. PMID: 15914552.
98. Ying J, Srivastava G, Hsieh WS, Gao Z, Murray P, Liao SK, **Ambinder R**, Tao Q. The stress-responsive gene GADD45G is a functional tumor suppressor, with its response to environmental stresses frequently disrupted epigenetically in multiple tumors. *Clin Cancer Res*. 2005;11(18):6442-9. PMID: 16166418.
99. Keegan TH, Glaser SL, Clarke CA, Gulley ML, Craig FE, Diguseppe JA, Dorfman RF, Mann RB, **Ambinder RF**. Epstein-Barr virus as a marker of survival after Hodgkin's lymphoma: a population-based study. *J Clin Oncol*. 2005;23(30):7604-13. Epub 2005 Sep 26. PMID: 16186595.
100. Krown SE, Lee JY, Lin L, Fischl MA, **Ambinder R**, Von Roenn JH. Interferon-alpha2b with protease inhibitor-based antiretroviral therapy in patients with AIDS-associated Kaposi sarcoma: an AIDS malignancy consortium phase I trial. *J Acquir Immune Defic Syndr*. 2006;41(2):149-53. PMID: 16394845.
101. Huff CA, Fuchs EJ, Smith BD, Blackford A, Garrett-Mayer E, Brodsky RA, Flinn IW, **Ambinder RF**, Borrello IM, Matsui WH, Vogelsang GB, Griffin CA, Luznik L, Jones RJ. Graft-versus-host reactions and the effectiveness of donor lymphocyte infusions. *Biol Blood Marrow Transplant*. 2006;12(4):414-21. PMID: 16545725.
102. Aksentijevich I, Jones RJ, **Ambinder RF**, Garrett-Mayer E, Flinn IW. Clinical outcome following autologous and allogeneic blood and marrow transplantation for relapsed diffuse large-cell non-Hodgkin's lymphoma. *Biol Blood Marrow Transplant*. 2006;12(9):965-72. PMID: 16920563.
103. Keegan TH, Glaser SL, Clarke CA, Dorfman RF, Mann RB, DiGiuseppe JA, Chang ET, **Ambinder RF**. Body size, physical activity, and risk of Hodgkin's lymphoma in women. *Cancer Epidemiol Biomarkers Prev*. 2006;15(6):1095-101. PMID: 16775165.
104. Epeldegui M, Hung YP, McQuay A, **Ambinder RF**, Martínez-Maza O. Infection of human B cells with Epstein-Barr virus results in the expression of somatic hypermutation-inducing molecules and in the accrual of oncogene mutations. *Mol Immunol*. 2007;44(5):934-42. Epub 2006 May 26. PMID: 16730063.
105. Seng TJ, Low JS, Li H, Cui Y, Goh HK, Wong ML, Srivastava G, Sidransky D, Califano J, Steenbergen RD, Rha SY, Tan J, Hsieh WS, **Ambinder RF**, Lin X, Chan AT, Tao Q. The major 8p22 tumor suppressor DLC1 is frequently silenced by methylation in both endemic and sporadic nasopharyngeal, esophageal, and cervical carcinomas, and inhibits tumor cell colony formation. *Oncogene*. 2007;26(6):934-44. Epub 2006 Jul 24. PMID: 16862168.
106. Ying J, Gao Z, Li H, Srivastava G, Murray PG, Goh HK, Lim CY, Wang Y, Marafioti T, Mason DY, **Ambinder RF**, Chan AT, Tao Q. Frequent epigenetic silencing of protocadherin 10 by methylation in multiple haematologic malignancies. *Br J Haematol*. 2007;136(6):829-32. PMID: 17341268.
107. Fu DX, Tanhehco YC, Chen J, Foss CA, Fox JJ, Lemas V, Chong JM, **Ambinder RF**, Pomper MG. Virus-associated tumor imaging by induction of viral gene expression. *Clin Cancer Res*. 2007;13(5):1453-8. PMID: 17332288.
108. Berdeja JG, Hess A, Lucas DM, O'Donnell P, **Ambinder RF**, Diehl LF, Carter-Brookins D, Newton S, Flinn IW. Systemic interleukin-2 and adoptive transfer of lymphokine-activated killer cells improves antibody-dependent cellular cytotoxicity in patients with relapsed B-cell lymphoma treated with rituximab. *Clin Cancer Res*. 2007;13(8):2392-9. PMID: 17438098.
109. Bolaños-Meade J, Garrett-Mayer E, Luznik L, Anders V, Webb J, Fuchs EJ, Huff CA, Matsui W, Borrello IM, Brodsky R, Kasamon YL, Swinnen LJ, Flinn IW, **Ambinder RF**, Jones RJ, Hess AD, Vogelsang GB. Induction of autologous graft-versus-host disease: results of a randomized prospective clinical trial in patients with poor risk lymphoma. *Biol Blood Marrow Transplant*. 2007;13(10):1185-91. Epub 2007 Aug 3. PMID: 17889355.

110. Ying J, Li H, Murray P, Gao Z, Chen YW, Wang Y, Lee KY, Chan AT, **Ambinder RF**, Srivastava G, Tao Q. Tumor-specific methylation of the 8p22 tumor suppressor gene *DLC1* is an epigenetic biomarker for Hodgkin, nasal NK/T-cell and other types of lymphomas. *Epigenetics*. 2007;2(1):15-21. Epub 2007 Jan 15. PMID: 17965626.
111. Spitzer TR, **Ambinder RF**, Lee JY, Kaplan LD, Wachsmann W, Straus DJ, Aboulafia DM, Scadden DT. Dose-reduced busulfan, cyclophosphamide, and autologous stem cell transplantation for human immunodeficiency virus-associated lymphoma: AIDS Malignancy Consortium study 020. *Biol Blood Marrow Transplant*. 2008;14(1):59-66. PMID: 18158962.
112. Matsui W, Wang Q, Barber JP, Brennan S, Smith BD, Borrello I, McNiece I, Lin L, **Ambinder RF**, Peacock C, Watkins DN, Huff CA, Jones RJ. Clonogenic multiple myeloma progenitors, stem cell properties, and drug resistance. *Cancer Res*. 2008;68(1):190-7. PMID: 18172311.
113. Warlick ED, O'Donnell PV, Borowitz M, Grupka N, Decloe L, Garrett-Mayer E, Borrello I, Brodsky R, Fuchs E, Huff CA, Luznik L, Matsui W, **Ambinder R**, Jones RJ, Smith BD. Myeloablative allogeneic bone marrow transplant using T cell depleted allografts followed by post-transplant GM-CSF in high-risk myelodysplastic syndromes. *Leuk Res*. 2008;32(9):1439-47. Epub 2008 Feb 7. PMID: 18261793.
114. Glaser SL, Gulley ML, Clarke CA, Keegan TH, Chang ET, Shema SJ, Craig FE, Diguseppe JA, Dorfman RF, Mann RB, Anton-Culver H, **Ambinder RF**. Racial/ethnic variation in EBV-positive classical Hodgkin lymphoma in California populations. *Int J Cancer*. 2008;123(7):1499-507. PMID: 18646185.
115. Luznik L, O'Donnell PV, Symons HJ, Chen AR, Leffell MS, Zahurak M, Gooley TA, Piantadosi S, Kaup M, **Ambinder RF**, Huff CA, Matsui W, Bolaños-Meade J, Borrello I, Powell JD, Harrington E, Warnock S, Flowers M, Brodsky RA, Sandmaier BM, Storb RF, Jones RJ, Fuchs EJ. HLA-haploidentical bone marrow transplantation for hematologic malignancies using nonmyeloablative conditioning and high-dose, posttransplantation cyclophosphamide. *Biol Blood Marrow Transplant*. 2008;14(6):641-50. PMID: 18489989.
116. Fu DX, Tanhehco Y, Chen J, Foss CA, Fox JJ, Chong JM, Hobbs RF, Fukayama M, Sgouros G, Kowalski J, Pomper MG, **Ambinder RF**. Bortezomib-induced enzyme-targeted radiation therapy in herpesvirus-associated tumors. *Nat Med*. 2008;14(10):1118-22. Epub 2008 Sep 7. PMID: 18776891.
117. Perkins EM, Anacker D, Davis A, Sankar V, **Ambinder RF**, Desai P. Small capsid protein pORF65 is essential for assembly of Kaposi's sarcoma-associated herpesvirus capsids. *J Virol*. 2008;82(14):7201-11. Epub 2008 May 7. PMID: 18463150.
118. Kasamon YL, Wahl RL, Ziessman HA, Blackford AL, Goodman SN, Fidyk CA, Rogers KM, Bolaños-Meade J, Borowitz MJ, **Ambinder RF**, Jones RJ, Swinnen LJ. Phase II study of risk-adapted therapy of newly diagnosed, aggressive non-Hodgkin lymphoma based on midtreatment FDG-PET scanning. *Biol Blood Marrow Transplant*. 2009;15(2):242-8. PMID: 19167684.
119. Lin L, Lee JY, Kaplan LD, Dezube BJ, Noy A, Krown SE, Levine AM, Yu Y, Hayward GS, **Ambinder RF**. Effects of chemotherapy in AIDS-associated non-Hodgkin's lymphoma on Kaposi's sarcoma herpesvirus DNA in blood. *J Clin Oncol*. 2009;27(15):2496-502. Epub 2009 Apr 6. PMID: 19349542.
120. Jones RJ, Gocke CD, Kasamon YL, Miller CB, Perkins B, Barber JP, Vala MS, Gerber JM, Gellert LL, Siedner M, Lemas MV, Brennan S, **Ambinder RF**, Matsui W. Circulating clonotypic B cells in classic Hodgkin lymphoma. *Blood*. 2009;113(23):5920-6. Epub 2009 Feb 2. PMID: 19188663.
121. Ratner L, Harrington W, Feng X, Grant C, Jacobson S, Noy A, Sparano J, Lee J, **Ambinder R**, Campbell N, Lairmore M; AIDS Malignancy Consortium. Human T cell leukemia virus reactivation with progression of adult T-cell leukemia-lymphoma. *PLoS One*. 2009;4(2):e4420. Epub 2009 Feb 10. PMID: 19204798.
122. Chang ET, Birmann BM, Kasperzyk JL, Conti DV, Kraft P, **Ambinder RF**, Zheng T, Mueller NE. Polymorphic variation in *NFKB1* and other aspirin-related genes and risk of Hodgkin lymphoma. *Cancer Epidemiol Biomarkers Prev*. 2009;18(3):976-86. Epub 2009 Feb 17. PMID: 19223558.

123. Aissani B, Ogwaro KM, Shrestha S, Tang J, Breen EC, Wong HL, Jacobson LP, Rabkin CS, **Ambinder RF**, Martinez-Maza O, Kaslow RA. The major histocompatibility complex conserved extended haplotype 8.1 in AIDS-related non-Hodgkin lymphoma. *J Acquir Immune Defic Syndr*. 2009;52(2):170-9. PMID: 19654554.
124. Lin J, Gilbert J, Rudek MA, Zwiebel JA, Gore S, Jiemjit A, Zhao M, Baker SD, **Ambinder RF**, Herman JG, Donehower RC, Carducci MA. A phase I dose-finding study of 5-azacytidine in combination with sodium phenylbutyrate in patients with refractory solid tumors. *Clin Cancer Res*. 2009;15(19):6241-9. Epub 2009 Sep 29. PMID: 19789320.
125. Kasamon YL, Jones RJ, Brodsky RA, Fuchs EJ, Matsui W, Luznik L, Powell JD, Blackford AL, Goodrich A, Gocke CD, Abrams RA, **Ambinder RF**, Flinn IW. Immunologic recovery following autologous stem-cell transplantation with pre- and posttransplantation rituximab for low-grade or mantle cell lymphoma. *Ann Oncol*. 2010;21(6):1203-1210. Epub 2009 Oct 30. PMID: 19880437.
126. Lechowicz M, Dittmer DP, Lee JY, Krown SE, Wachsman W, Aboulafia D, Dezube BJ, Ratner L, Said J, **Ambinder RF**. Molecular and clinical assessment in the treatment of AIDS Kaposi sarcoma with valproic Acid. *Clin Infect Dis*. 2009;49(12):1946-9. PMID: 19911999.
127. Kasamon YL, Luznik L, Leffell MS, Kowalski J, Tsai HL, Bolaños-Meade J, Morris LE, Crilley PA, O'Donnell PV, Rossiter N, Huff CA, Brodsky RA, Matsui WH, Swinnen LJ, Borrello I, Powell JD, **Ambinder RF**, Jones RJ, Fuchs EJ. Nonmyeloablative HLA-haploidentical bone marrow transplantation with high-dose posttransplantation cyclophosphamide: effect of HLA disparity on outcome. *Biol Blood Marrow Transplant*. 2010;16(4):482-9. Epub 2010 Jan 18. PMID: 19925877.
128. Brodsky RA, Chen AR, Dorr D, Fuchs EJ, Huff CA, Luznik L, Smith BD, Matsui WH, Goodman SN, **Ambinder RF**, Jones RJ. High-dose cyclophosphamide for severe aplastic anemia: long-term follow-up. *Blood*. 2010;115(11):2136-41. Epub 2009 Dec 16. PMID: 20018919.
129. Sparano JA, Lee JY, Kaplan LD, Levine AM, Ramos JC, **Ambinder RF**, Wachsman W, Aboulafia D, Noy A, Henry DH, Von Roenn J, Dezube BJ, Remick SC, Shah MH, Leichman L, Ratner L, Cesarman E, Chadburn A, Mitsuyasu R; AIDS Malignancy Consortium. Rituximab plus concurrent infusional EPOCH chemotherapy is highly effective in HIV-associated B-cell non-Hodgkin lymphoma. *Blood*. 2010;115(15):3008-16. Epub 2009 Dec 18. PMID: 20023215.
130. Luznik L, Bolaños-Meade J, Zahurak M, Chen AR, Smith BD, Brodsky R, Huff CA, Borrello I, Matsui W, Powell JD, Kasamon Y, Goodman SN, Hess A, Levitsky HI, **Ambinder RF**, Jones RJ, Fuchs EJ. High-dose cyclophosphamide as single-agent, short-course prophylaxis of graft-versus-host disease. *Blood*. 2010;115(16):3224-30. Epub 2010 Feb 2. PMID: 20124511.
131. Wong HL, Breen EC, Pfeiffer RM, Aissani B, Martinson JJ, Margolick JB, Kaslow RA, Jacobson LP, **Ambinder RF**, Chanock S, Martínez-Maza O, Rabkin CS. Cytokine signaling pathway polymorphisms and AIDS-related non-Hodgkin lymphoma risk in the multicenter AIDS cohort study. *AIDS*. 2010;24(7):1025-33. Erratum in: *AIDS*. 2010 Jul 31;24(12):1973. PMID: 20299965.
132. Cianfrocca M, Lee S, Von Roenn J, Tulpule A, Dezube BJ, Aboulafia DM, **Ambinder RF**, Lee JY, Krown SE, Sparano JA. Randomized trial of paclitaxel versus pegylated liposomal doxorubicin for advanced human immunodeficiency virus-associated Kaposi sarcoma: evidence of symptom palliation from chemotherapy. *Cancer*. 2010;116(16):3969-77. PMID: 20564162.
133. Murray PG, Fan Y, Davies G, Ying J, Geng H, Ng KM, Li H, Gao Z, Wei W, Bose S, Anderton J, Kapatai G, Reynolds G, Ito A, Marafioti T, Woodman CB, **Ambinder R**, Tao Q. Epigenetic silencing of a proapoptotic cell adhesion molecule, the immunoglobulin superfamily member IGSF4, by promoter CpG methylation protects Hodgkin lymphoma cells from apoptosis. *Am J Pathol*. 2010;177(3):1480-90. Epub 2010 Aug 13. PMID: 20709797.
134. Shamay M, Greenway M, Liao G, **Ambinder RF**, Hayward SD. De novo DNA methyltransferase DNMT3b interacts with NEDD8-modified proteins. *J Biol Chem*. 2010;285(47):36377-86. Epub 2010 Sep 16. PMID: 20847044.

135. Kasamon YL, Jones RJ, Gocke CD, Blackford AL, Seifter EJ, Davis-Sproul JM, Gore SD, **Ambinder RF**. Extended follow-up of autologous bone marrow transplantation with 4-hydroperoxycyclophosphamide (4-HC) purging for indolent or transformed non-Hodgkin lymphomas. *Biol Blood Marrow Transplant*. 2011;17(3):365-73. Epub 2010 Jul 22. PMID: 20655387.
136. Low JS, Tao Q, Ng KM, Goh HK, Shu XS, Woo WL, **Ambinder RF**, Srivastava G, Shamay M, Chan AT, Popescu NC, Hsieh WS. A novel isoform of the 8p22 tumor suppressor gene *DLC1* suppresses tumor growth and is frequently silenced in multiple common tumors. *Oncogene*. 2011;30(16):1923-35. Epub 2011 Jan 10. PMID: 21217778.
137. Beachler DC, Gellert LL, Jacobson LP, **Ambinder RF**, Breen EC, Martínez-Maza O, Rabkin CS, Kaslow RA, D'Souza G. Kaposi sarcoma-associated herpesvirus serum DNA and antibodies not associated with subsequent non-Hodgkin lymphoma risk. *J Acquir Immune Defic Syndr*. 2011;56(2):188-92. Erratum in: *J Acquir Immune Defic Syndr*. 2011 Mar 1;56(3):e103. Rabkin, Charles C [corrected to Rabkin, Charles S]. PMID: 21116187.
138. He J, Wu J, Jiao Y, Wagner-Johnston N, **Ambinder RF**, Diaz LA Jr, Kinzler KW, Vogelstein B, Papadopoulos N. IgH gene rearrangements as plasma biomarkers in Non- Hodgkin's lymphoma patients. *Oncotarget*. 2011;2(3):178-85. PMID: 21399237.
139. Wagner-Johnston ND, Gellert L, Gocke CD, Lemas VM, Lee J, Martínez-Maza O, **Ambinder RF**. Clonal immunoglobulin DNA in the plasma of patients with AIDS lymphoma. *Blood*. 2011;117(18):4860-2. Epub 2011 Mar 9. PMID: 21389324.
140. Gaillard S, Dinoso JB, Marsh JA, DeZern AE, O'Connell KA, Spivak AM, Alwood K, Durand CM, **Ambinder RF**, Blankson JN. Sustained elite suppression of replication competent HIV-1 in a patient treated with rituximab based chemotherapy. *J Clin Virol*. 2011;51(3):195-8. Epub 2011 May 7. PMID: 2155084.
141. Breen EC, Hussain SK, Magpantay L, Jacobson LP, Detels R, Rabkin CS, Kaslow RA, Variakojis D, Bream JH, Rinaldo CR, **Ambinder RF**, Martinez-Maza O. B-cell stimulatory cytokines and markers of immune activation are elevated several years prior to the diagnosis of systemic AIDS-associated non-Hodgkin B-cell lymphoma. *Cancer Epidemiol Biomarkers Prev*. 2011;20(7):1303-14. Epub 2011 Apr 28. PMID: 21527584.
142. Shirley CM, Chen J, Shamay M, Li H, Zahnow CA, Hayward SD, **Ambinder RF**. Bortezomib induction of C/EBP β mediates Epstein-Barr virus lytic activation in Burkitt lymphoma. *Blood*. 2011;117(23):6297-303. Epub 2011 Mar 29. PMID: 21447826.
143. Gladstone DE, Bolaños-Meade J, Huff CA, Zahurak M, Flinn I, Borrello I, Luznik L, Fuchs E, Kasamon Y, Matsui W, Powell J, Levitsky H, Brodsky RA, **Ambinder R**, Jones RJ, Swinnen LJ. High-dose cyclophosphamide and rituximab without stem cell transplant: a feasibility study for low grade B-cell, transformed and mantle cell lymphomas. *Leuk Lymphoma*. 2011;52(11):2076-81. Epub 2011 Jul 14. PMID: 21756035.
144. Durand CM, Ghiaur G, Siliciano JD, Rabi SA, Eisele EE, Salgado M, Shan L, Lai JF, Zhang H, Margolick J, Jones RJ, Gallant JE, **Ambinder RF**, Siliciano RF. HIV-1 DNA is detected in bone marrow populations containing CD4⁺ T cells but is not found in purified CD34⁺ hematopoietic progenitor cells in most patients on antiretroviral therapy. *J Infect Dis*. 2012;205(6):1014-8. Epub 2012 Jan 24. PMID: 22275402.
145. Kasamon YL, Jacene HA, Gocke CD, Swinnen LJ, Gladstone DE, Perkins B, Link BK, Popplewell LL, Habermann TM, Herman JM, Matsui WH, Jones RJ, **Ambinder RF**. Phase 2 study of rituximab-ABVD in classical Hodgkin lymphoma. *Blood*. 2012;119(18):4129-32. Epub 2012 Feb 16. PMID: 22343727.
146. Shamay M, Hand N, Lemas MV, Koon HB, Krown SE, Wrangle J, Desai P, Ramos JC, **Ambinder RF**. CpG methylation as a tool to characterize cell-free Kaposi sarcoma herpesvirus DNA. *J Infect Dis*. 2012;205(7):1095-9. Epub 2012 Feb 22. PMID: 22357696.

147. Li L, Su X, Choi GC, Cao Y, **Ambinder RF**, Tao Q. Methylation profiling of Epstein-Barr virus immediate-early gene promoters, BZLF1 and BRLF1 in tumors of epithelial, NK- and B-cell origins. *BMC Cancer*. 2012;12:125. PMID: 22458933.
148. Wang Z, Li L, Su X, Gao Z, Srivastava G, Murray PG, **Ambinder R**, Tao Q. Epigenetic silencing of the 3p22 tumor suppressor DLEC1 by promoter CpG methylation in non-Hodgkin and Hodgkin lymphomas. *J Transl Med*. 2012;10:209. PMID: 23050586.
149. Levin LI, Chang ET, **Ambinder RF**, Lennette ET, Rubertone MV, Mann RB, Borowitz M, Weir EG, Abbondanzo SL, Mueller NE. Atypical prediagnosis Epstein-Barr virus serology restricted to EBV-positive Hodgkin lymphoma. *Blood*. 2012;120(18):3750-5. Epub 2012 Sep 12. PMID: 22972983.
150. Hussain SK, Zhu W, Chang SC, Breen EC, Vendrame E, Magpantay L, Widney D, Conn D, Sehl M, Jacobson LP, Bream JH, Wolinsky S, Rinaldo CR, **Ambinder RF**, Detels R, Zhang ZF, Martínez-Maza O. Serum levels of the chemokine CXCL13, genetic variation in CXCL13 and its receptor CXCR5, and HIV-associated non-hodgkin B-cell lymphoma risk. *Cancer Epidemiol Biomarkers Prev*. 2013;22(2):295-307. Epub 2012 Dec 18. PMID: 23250934.
151. Kanakry JA, Kasamon YL, Gocke CD, Tsai HL, Davis-Sproul J, Ghosh N, Symons H, Bolaños-Meade J, Gladstone DE, Swinnen LJ, Luznik L, Fuchs EJ, Jones RJ, **Ambinder RF**. Outcomes of related donor HLA-identical or HLA-haploidentical allogeneic blood or marrow transplantation for peripheral T cell lymphoma. *Biol Blood Marrow Transplant*. 2013;19(4):602-6. Epub 2013 Jan 29. PMID: 23370119.
152. Hourigan CS, Forde PM, **Ambinder RF**, Gladstone DE. Bortezomib salvage therapy in refractory acute adult T-cell leukemia/lymphoma. *Leuk Lymphoma*. 2013;54(11):2563-4. Epub 2013 Apr 19. PMID: 23445368.
153. Kanakry JA, Li H, Gellert LL, Lemas MV, Hsieh WS, Hong F, Tan KL, Gascoyne RD, Gordon LI, Fisher RI, Bartlett NL, Stiff P, Cheson BD, Advani R, Miller TP, Kahl BS, Horning SJ, **Ambinder RF**. Plasma Epstein-Barr virus DNA predicts outcome in advanced Hodgkin lymphoma: correlative analysis from a large North American cooperative group trial. *Blood*. 2013;121(18):3547-53. Epub 2013 Feb 5. PMID: 23386127.
154. Li L, Ying J, Tong X, Zhong L, Su X, Xiang T, Shu X, Rong R, Xiong L, Li H, Chan AT, **Ambinder RF**, Guo Y, Tao Q. Epigenetic identification of receptor tyrosine kinase-like orphan receptor 2 as a functional tumor suppressor inhibiting β -catenin and AKT signaling but frequently methylated in common carcinomas. *Cell Mol Life Sci*. 2014;71(11):2179-92. Epub 2013 Oct 25. PMID: 24158497.
155. Vose JM, Carter S, Burns LJ, Ayala E, Press OW, Moskowitz CH, Stadtmauer EA, Mineshi S, **Ambinder R**, Fenske T, Horowitz M, Fisher R, Tomblyn M. Phase III randomized study of rituximab/carmustine, etoposide, cytarabine, and melphalan (BEAM) compared with iodine-131 tositumomab/BEAM with autologous hematopoietic cell transplantation for relapsed diffuse large B-cell lymphoma: results from the BMT CTN 0401 trial. *J Clin Oncol*. 2013;31(13):1662-8. Epub 2013 Mar 11. PMID: 23478060.
156. Kanakry JA, Kasamon YL, Bolaños-Meade J, Borrello IM, Brodsky RA, Fuchs EJ, Ghosh N, Gladstone DE, Gocke CD, Huff CA, Kanakry CG, Luznik L, Matsui W, Mogri HJ, Swinnen LJ, Symons HJ, Jones RJ, **Ambinder RF**. Absence of post-transplantation lymphoproliferative disorder after allogeneic blood or marrow transplantation using post-transplantation cyclophosphamide as graft-versus-host disease prophylaxis. *Biol Blood Marrow Transplant*. 2013;19(10):1514-7. Epub 2013 Jul 18. PMID: 23871780.
157. Vendrame E, Hussain SK, Breen EC, Magpantay LI, Widney DP, Jacobson LP, Variakojis D, Knowlton ER, Bream JH, **Ambinder RF**, Detels R, Martínez-Maza O. Serum levels of cytokines and biomarkers for inflammation and immune activation, and HIV-associated non-Hodgkin B-cell lymphoma risk. *Cancer Epidemiol Biomarkers Prev*. 2014;23(2):343-9. Epub 2013 Nov 12. PMID: 24220912.

158. Agrawal M, Kanakry J, Arnold CA, Suzman DL, Mathieu L, Kasamon YL, Gladstone DE, **Ambinder RF**, Ghosh N. Sustained remission and reversal of end-organ dysfunction in a patient with anaplastic myeloma. *Ann Hematol.* 2014;93(7):1245-6. PMID: 24232305.
159. Linabery AM, Erhardt EB, Fonstad RK, **Ambinder RF**, Bunin GR, Ross JA, Spector LG, Grufferman S. Infectious, autoimmune and allergic diseases and risk of Hodgkin lymphoma in children and adolescents: a Children's Oncology Group study. *Int J Cancer.* 2014 Sep;135(6):1454-69. Epub 2014 Mar 18. PMID: 24523151.
160. Crane GM, **Ambinder RF**, Shirley CM, Fishman EK, Kasamon YL, Taube JM, Borowitz MJ, Duffield AS. HHV-8-positive and EBV-positive intravascular lymphoma: an unusual presentation of extracavitary primary effusion lymphoma. *Am J Surg Pathol.* 2014;38(3):426-32. PMID: 24525514.
161. Kalu NN, Desai PJ, Shirley CM, Gibson W, Dennis PA, **Ambinder RF**. Nelfinavir inhibits maturation and export of herpes simplex virus 1. *J Virol.* 2014;88(10):5455-61. Epub 2014 Feb 26. PMID: 24574416.
162. Levy R, Ganjoo KN, Leonard JP, Vose JM, Flinn IW, **Ambinder RF**, Connors JM, Berinstein NL, Belch AR, Bartlett NL, Nichols C, Emmanouilides CE, Timmerman JM, Gregory SA, Link BK, Inwards DJ, Freedman AS, Matous JV, Robertson MJ, Kunkel LA, Ingolia DE, Gentles AJ, Liu CL, Tibshirani R, Alizadeh AA, Denney DW Jr. Active idiotypic vaccination versus control immunotherapy for follicular lymphoma. *J Clin Oncol.* 2014;32(17):1797-803. Epub 2014 May 5. PMID: 24799467.
163. Kanakry CG, Tsai HL, Bolaños-Meade J, Smith BD, Gojo I, Kanakry JA, Kasamon YL, Gladstone DE, Matsui W, Borrello I, Huff CA, Swinnen LJ, Powell JD, Pratz KW, DeZern AE, Showel MM, McDevitt MA, Brodsky RA, Levis MJ, **Ambinder RF**, Fuchs EJ, Rosner GL, Jones RJ, Luznik L. Single-agent GVHD prophylaxis with posttransplantation cyclophosphamide after myeloablative, HLA-matched BMT for AML, ALL, and MDS. *Blood.* 2014 Dec;124(25):3817-27. Epub 2014 Oct 14. PMID: 25316679.
164. Linabery AM, Erhardt EB, Richardson MR, **Ambinder RF**, Friedman DL, Glaser SL, Monnereau A, Spector LG, Ross JA, Grufferman S. Family history of cancer and risk of pediatric and adolescent Hodgkin lymphoma: A Children's Oncology Group study. *Int J Cancer.* 2015;137(9):2163-74. Epub 2015 May 19. PMID: 25940226.
165. Noonan KA, Huff CA, Davis J, Lemas MV, Fiorino S, Bitzan J, Ferguson A, Emerling A, Luznik L, Matsui W, Powell J, Fuchs E, Rosner GL, Epstein C, Rudraraju L, **Ambinder RF**, Jones RJ, Pardoll D, Borrello I. Adoptive transfer of activated marrow-infiltrating lymphocytes induces measurable antitumor immunity in the bone marrow in multiple myeloma. *Sci Transl Med.* 2015;7(288):288ra78. PMID: 25995224.
166. Noy A, Lee JY, Cesarman E, **Ambinder R**, Baiocchi R, Reid E, Ratner L, Wagner-Johnston N, Kaplan L; AIDS Malignancy Consortium. AMC 048: modified CODOX-M/IVAC-rituximab is safe and effective for HIV-associated Burkitt lymphoma. *Blood.* 2015;126(2):160-6. Epub 2015 May 8. PMID: 25957391.
167. McCurdy SR, Kanakry JA, Showel MM, Tsai HL, Bolaños-Meade J, Rosner GL, Kanakry CG, Perica K, Symons HJ, Brodsky RA, Gladstone DE, Huff CA, Pratz KW, Prince GT, DeZern AE, Gojo I, Matsui WH, Borrello I, McDevitt MA, Swinnen LJ, Smith BD, Levis MJ, **Ambinder RF**, Luznik L, Jones RJ, Fuchs EJ, Kasamon YL. Risk-stratified outcomes of nonmyeloablative HLA-haploidentical BMT with high-dose posttransplantation cyclophosphamide. *Blood.* 2015;125(19):3024-31. Epub 2015 Mar 26. PMID: 25814532.
168. Durand CM, Buckheit RW 3rd, Salgado M, Pohlmeier CW, Walker-Sperling VE, Hegarty RW, **Ambinder RF**, Blankson JN. A Human Immunodeficiency Virus Controller With a Large Population of CD4(+)CD8(+) Double-Positive T Cells. *Open Forum Infect Dis.* 2015;2(2):ofv039. PMID: 26380339.
169. Kanakry JA, Gocke CD, Bolaños-Meade J, Gladstone DE, Swinnen LJ, Blackford AL, Fuchs EJ, Huff CA, Borrello I, Matsui WH, Brodsky RA, Rosner GL, Shanbhag S, Luznik L, Jones RJ,

- Ambinder RF**, Kasamon YL. Phase II Study of Nonmyeloablative Allogeneic Bone Marrow Transplantation for B Cell Lymphoma with Post-Transplantation Rituximab and Donor Selection Based First on Non-HLA Factors. *Biol Blood Marrow Transplant*. 2015;21(12):2115-2122. Epub 2015 Jul 14. PMID: 26183076.
170. Epeldegui M, Lee JY, Martínez AC, Widney DP, Magpantay LI, Regidor D, Mitsuyasu R, Sparano JA, **Ambinder RF**, Martínez-Maza O. Predictive Value of Cytokines and Immune Activation Biomarkers in AIDS-Related Non-Hodgkin Lymphoma Treated with Rituximab plus Infusional EPOCH (AMC-034 trial). *Clin Cancer Res*. 2016;22(2):328-36. Epub 2015 Sep 17. PMID: 26384320.
 171. Noonan KA, Huff CA, Davis J, Lemas MV, Fiorino S, Bitzan J, Ferguson A, Emerling A, Luznik L, Matsui W, Powell J, Fuchs E, Rosner GL, Epstein C, Rudraraju L, **Ambinder RF**, Jones RJ, Pardoll D, Borrello I. Adoptive transfer of activated marrow-infiltrating lymphocytes induces measurable antitumor immunity in the bone marrow in multiple myeloma. *Sci Transl Med*. 2015;7(288):288ra78. PMID: 25995224.
 172. Crane GM, Powell H, Kostadinov R, Rocafort PT, Rifkin DE, Burger PC, **Ambinder RF**, Swinnen LJ, Borowitz MJ, Duffield AS. Primary CNS lymphoproliferative disease, mycophenolate and calcineurin inhibitor usage. *Oncotarget*. 2015;6(32):33849-66. PMID: 26460822.
 173. Lee HG, Kim H, Kim EJ, Park PG, Dong SM, Choi TH, Kim H, Chong CR, Liu JO, Chen J, **Ambinder RF**, Hayward SD, Park JH, Lee JM. Targeted therapy for Epstein-Barr virus-associated gastric carcinoma using low-dose gemcitabine-induced lytic activation. *Oncotarget*. 2015;6(31):31018-29. PMID: 26427042. PMCID: PMC4741585.
 174. Kasamon YL, Bolaños-Meade J, Prince GT, Tsai HL, McCurdy SR, Kanakry JA, Rosner GL, Brodsky RA, Perica K, Smith BD, Gladstone DE, Swinnen LJ, Showel MM, Matsui WH, Huff CA, Borrello I, Pratz KW, McDevitt MA, Gojo I, Dezern AE, Shanbhag S, Levis MJ, Luznik L, **Ambinder RF**, Fuchs EJ, Jones RJ. Outcomes of Nonmyeloablative HLA-Haploidentical Blood or Marrow Transplantation With High-Dose Post-Transplantation Cyclophosphamide in Older Adults. *J Clin Oncol*. 2015;33(28):3152-61. Epub 2015 Aug 10. PMID: 26261255. PMCID: PMC4582145.
 175. Alvarnas JC, Le Rademacher J, Wang Y, Little RF, Akpek G, Ayala E, Devine S, Baiocchi R, Lozanski G, Kaplan L, Noy A, Popat U, Hsu J, Morris LE Jr, Thompson J, Horowitz MM, Mendizabal A, Levine A, Krishnan A, Forman SJ, Navarro WH, **Ambinder R**. Autologous hematopoietic cell transplantation for HIV-related lymphoma: results of the BMT CTN 0803/AMC 071 trial. *Blood*. 2016;128(8):1050-8. Epub 2016 Jun 13. PMID: 27297790. PMCID: PMC5000843.
 176. Patel S, Lam S, Cruz CR, Wright K, Cochran C, **Ambinder RF**, Bollard CM. Functionally Active HIV-Specific T Cells that Target Gag and Nef Can Be Expanded from Virus-Naïve Donors and Target a Range of Viral Epitopes: Implications for a Cure Strategy after Allogeneic Hematopoietic Stem Cell Transplantation. *Biol Blood Marrow Transplant*. 2016;22(3):536-41. Epub 2015 Dec 22. PMID: 26721209. PMCID: PMC4753092.
 177. Kanakry JA, Hegde AM, Durand CM, Massie AB, Greer AE, **Ambinder RF**, Valsamakis A. The clinical significance of EBV DNA in the plasma and peripheral blood mononuclear cells of patients with or without EBV diseases. *Blood*. 2016;127(16):2007-17. Epub 2016 Jan 7. PMID: 26744460. PMCID: PMC4841041.
 178. Li L, Li C, Mao H, Du Z, Chan WY, Murray P, Luo B, Chan AT, Mok TS, Chan FK, **Ambinder RF**, Tao Q. Epigenetic inactivation of the CpG demethylase TET1 as a DNA methylation feedback loop in human cancers. *Sci Rep*. 2016;6:26591. Erratum in: *Sci Rep*. 2016 Oct 06;6:34435. PMID: 27225590. PMCID: PMC4880909.
 179. Crane GM, Samols MA, Morsberger LA, Yonescu R, Thiess ML, Batista DA, Ning Y, Burns KH, Vuica-Ross M, Borowitz MJ, Gocke CD, **Ambinder RF**, Duffield AS. Tumor-Infiltrating Macrophages in Post-Transplant, Relapsed Classical Hodgkin Lymphoma Are Donor-Derived. *PLoS One*. 2016;11(9):e0163559. PMID: 27685855. PMCID: PMC5042490.

180. Bender Ignacio RA, Lee JY, Rudek MA, Dittmer DP, **Ambinder RF**, Krown SE; AIDS Malignancy Consortium (AMC)-059 Study Team. Brief Report: A Phase 1b/Pharmacokinetic Trial of PTC299, a Novel PostTranscriptional VEGF Inhibitor, for AIDS-Related Kaposi's Sarcoma: AIDS Malignancy Consortium Trial 059. *J Acquir Immune Defic Syndr*. 2016;72(1):52-7. PMID: 26689971. PMCID: PMC4838493.
181. Martin AR, Pollack RA, Capoferri A, **Ambinder RF**, Durand CM, Siliciano RF. Rapamycin-mediated mTOR inhibition uncouples HIV-1 latency reversal from cytokine-associated toxicity. *J Clin Invest*. 2017;127(2):651-656. Epub 2017 Jan 17. PMID: 28094770. PMCID: PMC5272184.
182. McCurdy SR, Kanakry CG, Tsai HL, Kasamon YL, Showel MM, Bolaños-Meade J, Huff CA, Borrello I, Matsui WH, Brodsky RA, **Ambinder RF**, Bettinotti MP, Fuchs EJ, Rosner GL, Jones RJ, Luznik L. Grade II Acute Graft-versus-Host Disease and Higher Nucleated Cell Graft Dose Improve Progression-Free Survival after HLA-Haploidentical Transplant with Post-Transplant Cyclophosphamide. *Biol Blood Marrow Transplant*. 2018;24(2):343-352. Epub 2017 Oct 18. PMID: 29055682. PMCID: PMC6464126.
183. Levin LI, Breen EC, Birmann BM, Batista JL, Magpantay LI, Li Y, **Ambinder RF**, Mueller NE, Martínez-Maza O. Elevated Serum Levels of sCD30 and IL6 and Detectable IL10 Precede Classical Hodgkin Lymphoma Diagnosis. *Cancer Epidemiol Biomarkers Prev*. 2017;26(7):1114-1123. Epub 2017 Mar 24. PMID: 28341757. PMCID: PMC5511544.
184. Wagner-Johnston ND, Lensing S, Noy A, Ratner L, Henry D, Lee JY, Silver S, Faham M, **Ambinder RF**. High frequency of identical clonal immunoglobulin DNA in pre-treatment tumor and plasma from untreated patients with HIV-associated lymphoma: prospective multicenter trial of the AIDS malignancies consortium (AMC 064). *Leuk Lymphoma*. 2017;58(12):2939-2942. Epub 2017 May 16. PMID: 28508728. PMCID: PMC5867902.
185. Duffield AS, Ascierto ML, Anders RA, Taube JM, Meeker AK, Chen S, McMiller TL, Phillips NA, Xu H, Ogurtsova A, Berger AE, Pardoll DM, Topalian SL, **Ambinder RF**. Th17 immune microenvironment in Epstein-Barr virus-negative Hodgkin lymphoma: implications for immunotherapy. *Blood Adv*. 2017;1(17):1324-1334. PMID: 29296775. PMCID: PMC5727974.
186. Welch JJG, Schwartz CL, Higman M, Chen L, Buxton A, Kanakry JA, Kahwash SB, Hutchison RE, Friedman DL, **Ambinder RF**. Epstein-Barr virus DNA in serum as an early prognostic marker in children and adolescents with Hodgkin lymphoma. *Blood Adv*. 2017;1(11):681-684. PMID: 29296710. PMCID: PMC5727814.
187. Kasamon YL, **Ambinder RF**, Fuchs EJ, Zahurak M, Rosner GL, Bolaños-Meade J, Levis MJ, Gladstone DE, Huff CA, Swinnen LJ, Matsui WH, Borrello I, Brodsky RA, Jones RJ, Luznik L. Prospective study of nonmyeloablative, HLA-mismatched unrelated BMT with high-dose posttransplantation cyclophosphamide. *Blood Adv*. 2017;1(4):288-292. Epub 2017 Jan 6. PMID: 29242852. PMCID: PMC5726600.
188. Kasamon YL, Fuchs EJ, Zahurak M, Rosner GL, Symons HJ, Gladstone DE, Huff CA, Swinnen LJ, Brodsky RA, Matsui WH, Borrello I, Shanbhag S, Cooke KR, **Ambinder RF**, Luznik L, Bolaños-Meade J, Jones RJ. Shortened-Duration Tacrolimus after Nonmyeloablative, HLA-Haploidentical Bone Marrow Transplantation. *Biol Blood Marrow Transplant*. 2018;24(5):1022-1028. Epub 2018 Jan 17. PMID: 29353109. PMCID: PMC5977987.
189. Elmariah H, Kasamon YL, Zahurak M, Macfarlane KW, Tucker N, Rosner GL, Bolaños-Meade J, Fuchs EJ, Wagner-Johnston N, Swinnen LJ, Huff CA, Matsui WH, Gladstone DE, McCurdy SR, Borrello I, Gocke CB, Shanbhag S, Cooke KR, Ali SA, Brodsky RA, DeZern AE, Luznik L, Jones RJ, **Ambinder RF**. Haploidentical Bone Marrow Transplantation with Post-Transplant Cyclophosphamide Using Non-First-Degree Related Donors. *Biol Blood Marrow Transplant*. 2018;24(5):1099-1102. Epub 2018 Feb 13. PMID: 29452245. PMCID: PMC6439277.
190. Ramos JC, Sparano JA, Rudek MA, Moore PC, Cesarman E, Reid EG, Henry D, Ratner L, Aboulafia D, Lee JY, **Ambinder RF**, Mitsuyasu R, Noy A. Safety and Preliminary Efficacy of Vorinostat With R-EPOCH in High Risk HIV-associated Non-Hodgkins Lymphoma (AMC-075).

- Clin Lymphoma Myeloma Leuk. 2018;18(3):180-190.e2. Epub 2018 Feb 2. PMID: 29426719. PMCID: PMC6697160.
191. Dugan JP, Haverkos BM, Villagomez L, Martin LK, Lustberg M, Patton J, Martin M, Huang Y, Nuovo G, Yan F, Cavaliere R, Fingerroth J, Kenney SC, **Ambinder RF**, Lozanski G, Porcu P, Caligiuri MA, Baiocchi RA. Complete and Durable Responses in Primary Central Nervous System Posttransplant Lymphoproliferative Disorder with Zidovudine, Ganciclovir, Rituximab, and Dexamethasone. Clin Cancer Res. 2018;24(14):3273-3281. Epub 2018 Apr 9. PMID: 29632007. PMCID: PMC6050103.
 192. Schoch LK, Asiana A, Zahurak M, Shanbhag S, Hurtt J, Sawyer K, Swinnen LJ, Wagner-Johnston N, Jones RJ, **Ambinder RF**, Gladstone DE. Pharmacokinetically-targeted dosed everolimus maintenance therapy in lymphoma patients. Transplant Proc. 2017;49(8):1724-1728. PMID: 28923615.
 193. McCurdy SR, Muth ST, Tsai HL, Symons HJ, Huff CA, Matsui WH, Borrello I, Gladstone DE, Swinnen LJ, Cooke KR, Brodsky RA, Bolaños-Meade J, **Ambinder RF**, Varadhan R, Luznik L, Jones RJ, Bettinot MP, Fuchs EJ. Early Fever after Haploidentical Bone Marrow Transplantation Correlates with Class II HLA-Mismatching and Myeloablation but Not Outcomes. Biol Blood Marrow Transplant. 2018;24(10):2056-2064. Epub 2018 Jun 15. PMID: 29909152. PMCID: PMC6385878.
 194. Reid E, Suneja G, **Ambinder RF**, Ard K, Baiocchi R, Barta SK, Carchman E, Cohen A, Gupta N, Johung KL, Klopp A, LaCasce AS, Lin C, Makarova-Rusher OV, Mehta A, Menon MP, Morgan D, Nathwani N, Noy A, Palella F, Ratner L, Rizza S, Rudek MA, Taylor J, Tomlinson B, Wang CJ, Dwyer MA, Freedman-Cass DA. Cancer in People Living With HIV, Version 1.2018, NCCN Clinical Practice Guidelines in Oncology. J Natl Compr Canc Netw. 2018;16(8):986-1017. PMID: 30099375.
 195. Schoch LK, Cooke KR, Wagner-Johnston ND, Gojo I, Swinnen LJ, Imus P, Fuchs EJ, Levis M, **Ambinder RF**, Jones RJ, Gladstone DE. Immune checkpoint inhibitors as a bridge to allogeneic transplantation with posttransplant cyclophosphamide. Blood Adv. 2018;2(17):2226-2229. PMID: 30190282. PMCID: PMC6134225.
 196. Sinha S, Agarwal A, Gupta K, Mandal D, Jain M, Detels R, Nandy K, DeVos MA, Sharma SK, Manoharan N, Julka PK, Rath GK, **Ambinder RF**, Mitsuyasu RT. Prevalence of HIV in Patients with Malignancy and of Malignancy in HIV Patients in a Tertiary Care Center from North India. Curr HIV Res. 2018;16(4):315-320. PMID: 30338741. PMCID: PMC64164457.
 197. Reid EG, Looney D, Maldarelli F, Noy A, Henry D, Aboulafia D, Ramos JC, Sparano J, **Ambinder RF**, Lee J, Cesarman E, Yahyaei S, Mitsuyasu R, Wachsman W; AIDS Malignancy Consortium. Safety and efficacy of an oncolytic viral strategy using bortezomib with ICE/R in relapsed/refractory HIV-positive lymphomas. Blood Adv. 2018;2(24):3618-3626. PMID: 30573564; PMCID: PMC6306883.
 198. McCurdy SR, Kanakry CG, Tsai HL, Gojo I, Smith BD, Gladstone DE, Bolaños-Meade J, Borrello I, Matsui WH, Swinnen LJ, Huff CA, Brodsky RA, **Ambinder RF**, Fuchs EJ, Rosner GL, Jones RJ, Luznik L. Development of Grade II Acute Graft-versus-Host Disease Is Associated with Improved Survival after Myeloablative HLA-Matched Bone Marrow Transplantation using Single-Agent Post-Transplant Cyclophosphamide. Biol Blood Marrow Transplant. 2019;25(6):1128-1135. Epub 2018 Dec 30. PMID: 30599208; PMCID: PMC6559825.
 199. Messmer M, Tsai HL, Varadhan R, Swinnen LJ, Jones RJ, **Ambinder RF**, Shanbhag SP, Borowitz MJ, Wagner-Johnston N. R-CHOP without radiation in frontline management of primary mediastinal B-cell lymphoma. Leuk Lymphoma. 2019;60(5):1261-1265. Epub 2019 Jan 18. PMID: 30656983; PMCID: PMC6472975.
 200. Bolaños-Meade J, Cooke KR, Gamper CJ, Ali SA, **Ambinder RF**, Borrello IM, Fuchs EJ, Gladstone DE, Gocke CB, Huff CA, Luznik L, Swinnen LJ, Symons HJ, Terezakis SA, Wagner-Johnston N, Jones RJ, Brodsky RA. Effect of increased dose of total body irradiation on graft failure associated with HLA-haploidentical transplantation in patients with severe

- haemoglobinopathies: a prospective clinical trial. *Lancet Haematol.* 2019;6(4):e183-e193. Epub 2019 Mar 14. Erratum in: *Lancet Haematol.* 2019 May;6(5):e238. PMID: 30878319; PMCID: PMC6506220.
201. Keller MD, Darko S, Lang H, Ransier A, Lazarski CA, Wang Y, Hanley PJ, Davila BJ, Heimall JR, **Ambinder RF**, Barrett AJ, Rooney CM, Heslop HE, Douek DC, Bollard CM. T-cell receptor sequencing demonstrates persistence of virus-specific T cells after antiviral immunotherapy. *Br J Haematol.* 2019;187(2):206-218. Epub 2019 Jun 20. PMID: 31219185; PMCID: PMC6786907.
 202. **Ambinder RF**, Wu J, Logan B, Durand CM, Shields R, Popat UR, Little RF, McMahon DK, Cyktor J, Mellors JW, Ayala E, Kaplan LD, Noy A, Jones RJ, Howard A, Forman SJ, Porter D, Arce-Lara C, Shaughnessy P, Sproat L, Hashmi SK, Mendizabal AM, Horowitz MM, Navarro WH, Alvarnas JC. Allogeneic Hematopoietic Cell Transplant for HIV Patients with Hematologic Malignancies: The BMT CTN-0903/AMC-080 Trial. *Biol Blood Marrow Transplant.* 2019;25(11):2160-2166. Epub 2019 Jul 4. PMID: 31279752; PMCID: PMC6907401.
 203. Imus PH, Tsai HL, Luznik L, Fuchs EJ, Huff CA, Gladstone DE, Lowery P, **Ambinder RF**, Borrello IM, Swinnen LJ, Wagner-Johnston N, Gocke CB, Ali SA, Bolaños-Meade FJ, Varadhan R, Jones RJ. Haploidentical transplantation using posttransplant cyclophosphamide as GVHD prophylaxis in patients over age 70. *Blood Adv.* 2019;3(17):2608-2616. PMID: 31492679; PMCID: PMC6737415.
 204. Lee J, Kosowicz JG, Hayward SD, Desai P, Stone J, Lee JM, Liu JO, **Ambinder RF**. Pharmacologic Activation of Lytic Epstein-Barr Virus Gene Expression without Virion Production. *J Virol.* 2019;93(20):e00998-19. PMID: 31341058; PMCID: PMC6798122.
 205. Imus PH, Blackford AL, Bettinotti M, Luznik L, Fuchs EJ, Huff CA, Gladstone DE, **Ambinder RF**, Borrello IM, Fuchs RJ, Swinnen LJ, Wagner-Johnston N, Gocke CB, Ali SA, Bolaños-Meade FJ, Jones RJ, DeZern AE. Severe Cytokine Release Syndrome after Haploidentical Peripheral Blood Stem Cell Transplantation. *Biol Blood Marrow Transplant.* 2019;25(12):2431-2437. Epub 2019 Aug 5. PMID: 31394272; PMCID: PMC7402409.
 206. Tadmor H, Greenway M, Ahuja A, Orgil O, Liao G, **Ambinder RF**, Hayward SD, Shamay M. Kaposi's Sarcoma-Associated Herpesvirus LANA Modulates the Stability of the E3 Ubiquitin Ligase RLIM. *J Virol.* 2020;94(5):e01578-19. PMID: 31801865; PMCID: PMC7022369.
 207. Gupta A, **Ambinder RF**. A Tale of Two Urines. *JCO Oncol Pract.* 2020;16(5):209. Epub 2020 Mar 5. PMID: 32134706.
 208. Paul S, Tsai HL, Lowery P, Fuchs EJ, Luznik L, Bolaños-Meade J, Swinnen LJ, Shanbhag S, Wagner-Johnston N, Varadhan R, **Ambinder RF**, Jones RJ, Gladstone DE. Allogeneic Haploidentical Blood or Marrow Transplantation with Post-Transplantation Cyclophosphamide in Chronic Lymphocytic Leukemia. *Biol Blood Marrow Transplant.* 2020;26(3):502-508. Epub 2019 Nov 12. PMID: 31730920.
 209. DeZern AE, Elmariah H, Zahurak M, Rosner GL, Gladstone DE, Ali SA, Huff CA, Swinnen LJ, Imus P, Borrello I, Wagner-Johnston ND, **Ambinder RF**, Brodsky RA, Cooke K, Luznik L, Fuchs EJ, Bolaños-Meade J, Jones RJ. Shortened-Duration Immunosuppressive Therapy after Nonmyeloablative, Related HLA-Haploidentical or Unrelated Peripheral Blood Grafts and Post-Transplantation Cyclophosphamide. *Biol Blood Marrow Transplant.* 2020 Nov;26(11):2075-2081. Epub 2020 Aug 18. PMID: 32818556.
 210. Shamay M, Kanakry JA, Low JSW, Horowitz NA, Journo G, Ahuja A, Eran Y, Barzilai E, Dann EJ, Stone J, Woo WL, Hsieh WS, Xian RR, **Ambinder RF**. CpG methylation in cell-free Epstein-Barr virus DNA in patients with EBV-Hodgkin lymphoma. *Blood Adv.* 2020;4(8):1624-1627. Erratum in: *Blood Adv.* 2020 May 26;4(10):2123. PMID: 32311011; PMCID: PMC7189298.
 211. DeZern AE, Zahurak ML, Symons HJ, Cooke KR, Rosner GL, Gladstone DE, Huff CA, Swinnen LJ, Imus P, Borrello I, Wagner-Johnston N, **Ambinder RF**, Luznik L, Bolaños-Meade J, Fuchs EJ, Jones RJ, Brodsky RA. Haploidentical BMT for severe aplastic anemia with intensive GVHD

- prophylaxis including posttransplant cyclophosphamide. *Blood Adv.* 2020;4(8):1770-1779. PMID: 32343796; PMCID: PMC7189283.
212. Liu R, Yeh YJ, Varabyou A, Collora JA, Sherrill-Mix S, Talbot CC Jr, Mehta S, Albrecht K, Hao H, Zhang H, Pollack RA, Beg SA, Calvi RM, Hu J, Durand CM, **Ambinder RF**, Hoh R, Deeks SG, Chiarella J, Spudich S, Douek DC, Bushman FD, Perteu M, Ho YC. Single-cell transcriptional landscapes reveal HIV-1-driven aberrant host gene transcription as a potential therapeutic target. *Sci Transl Med.* 2020;12(543):eaaz0802. PMID: 32404504; PMCID: PMC7453882.
 213. Durand CM, Capoferri AA, Redd AD, Zahurak M, Rosenbloom DIS, Cash A, Avery RK, Bolaños-Meade J, Bollard CM, Bullen CK, Flexner C, Fuchs EJ, Gallant J, Gladstone DE, Gocke CD, Jones RJ, Kasamon YL, Lai J, Levis M, Luznik L, Marr KA, McHugh HL, Mehta Steinke S, Pham P, Pohlmeier C, Pratz K, Shoham S, Wagner-Johnston N, Xu D, Siliciano JD, Quinn TC, Siliciano RF, **Ambinder RF**. Allogeneic bone marrow transplantation with post-transplant cyclophosphamide for patients with HIV and haematological malignancies: a feasibility study. *Lancet HIV.* 2020;7(9):e602-e610. Epub 2020 Jul 7. PMID: 32649866; PMCID: PMC7484204.
 214. Ramos JC, Sparano JA, Chadburn A, Reid EG, **Ambinder RF**, Siegel ER, Moore PC, Rubinstein PG, Durand CM, Cesarman E, Aboulafia D, Baiocchi R, Ratner L, Kaplan L, Capoferri AA, Lee JY, Mitsuyasu R, Noy A. Impact of Myc in HIV-associated non-Hodgkin lymphomas treated with EPOCH and outcomes with vorinostat (AMC-075 trial). *Blood.* 2020;136(11):1284-1297. PMID: 32430507; PMCID: PMC7483436.
 215. Paul S, Zahurak M, Luznik L, **Ambinder RF**, Fuchs EJ, Bolaños-Meade J, Wagner-Johnston N, Swinnen LJ, Schoch L, Varadhan R, Jones RJ, Gladstone DE. Non-Myeloablative Allogeneic Transplantation with Post-Transplant Cyclophosphamide after Immune Checkpoint Inhibition for Classic Hodgkin Lymphoma: A Retrospective Cohort Study. *Biol Blood Marrow Transplant.* 2020;26(9):1679-1688. Epub 2020 Jun 24. PMID: 32592857.
 216. Imus PH, Tsai HL, DeZern AE, Jerde K, Swinnen LJ, Bolaños-Meade J, Luznik L, Fuchs EJ, Wagner-Johnston N, Huff CA, Gladstone DE, **Ambinder RF**, Gocke CB, Ali SA, Borrello IM, Varadhan R, Brodsky R, Jones RJ. Thrombotic Microangiopathy after Post-Transplantation Cyclophosphamide-Based Graft-versus-Host Disease Prophylaxis. *Biol Blood Marrow Transplant.* 2020;26(12):2306-2310. Epub 2020 Sep 19. PMID: 32961372; PMCID: PMC7686062.
 217. Mehta Steinke SA, Alfares M, Valsamakis A, Shoham S, Arav-Boger R, Lees L, Ostrander D, Forman MS, Shedeck A, **Ambinder RF**, Jones RJ, Avery RK. Outcomes of transplant recipients treated with cidofovir for resistant or refractory cytomegalovirus infection. *Transpl Infect Dis.* 2021;23(3):e13521. Epub 2020 Dec 2. PMID: 33220125.
 218. Vogt SL, Patel M, Lakha A, Philip V, Omar T, Ashmore P, Pather S, Haley LM, Zheng G, Stone J, Mayne E, Stevens W, Wagner-Johnston N, Gocke CD, Martinson NA, **Ambinder RF**, Xian RR. Feasibility of Cell-Free DNA Collection and Clonal Immunoglobulin Sequencing in South African Patients With HIV-Associated Lymphoma. *JCO Glob Oncol.* 2021;7:611-621. PMID: 33909482; PMCID: PMC8162966.
 219. Sparano JA, Lee JY, Kaplan LD, Ramos JC, **Ambinder RF**, Wachsman W, Aboulafia D, Noy A, Henry DH, Ratner L, Cesarman E, Chadburn A, Mitsuyasu R. Response-adapted therapy with infusional EPOCH chemotherapy plus rituximab in HIV-associated, B-cell non-Hodgkin's lymphoma. *Haematologica.* 2021;106(3):730-735. PMID: 32107337. PMCID: PMC7927888.
 220. Lee J, Stone J, Desai P, Kosowicz JG, Liu JO, **Ambinder RF**. Arsenicals, the Integrated Stress Response, and Epstein-Barr Virus Lytic Gene Expression. *Viruses.* 2021;13(5):812. PMID: 33946406; PMCID: PMC8147158.
 221. Shindiapina P, Pietrzak M, Seweryn M, McLaughlin E, Zhang X, Makowski M, Ahmed EH, Schlotter S, Pearson R, Kitzler R, Mozhenkova A, Le-Rademacher J, Little RF, Akpek G, Ayala E, Devine SM, Kaplan LD, Noy A, Popat UR, Hsu JW, Morris LE, Mendizabal AM, Krishnan A, Wachsman W, Williams N, Sharma N, Hofmeister CC, Forman SJ, Navarro WH, Alvarnas JC,

- Ambinder RF**, Lozanski G, Baiocchi RA. Immune Recovery Following Autologous Hematopoietic Stem Cell Transplantation in HIV-Related Lymphoma Patients on the BMT CTN 0803/AMC 071 Trial. *Front Immunol*. 2021;12:700045. PMID: 34539628; PMCID: PMC8446430.
222. **Ambinder RF**. Epstein-Barr Virus-Associated Post-transplant Lymphoproliferative Disease. *Recent Results Cancer Res*. 2021;217:197-207. PMID: 33200367.
 223. Halper-Stromberg E, McCall CM, Haley LM, Lin MT, Vogt S, Gocke CD, Eshleman JR, Stevens W, Martinson NA, Epeldegui M, Holdhoff M, Bettegowda C, Glantz MJ, **Ambinder RF**, Xian RR. CloneRetriever: An Automated Algorithm to Identify Clonal B and T Cell Gene Rearrangements by Next-Generation Sequencing for the Diagnosis of Lymphoid Malignancies. *Clin Chem*. 2021;67(11):1524-1533. PMID: 34491318; PMCID: PMC8965457.
 224. Shaw BE, Jimenez-Jimenez AM, Burns LJ, Logan BR, Khimani F, Shaffer BC, Shah NN, Mussetter A, Tang XY, McCarty JM, Alavi A, Farhadfar N, Jamieson K, Hardy NM, Choe H, **Ambinder RF**, Anasetti C, Perales MA, Spellman SR, Howard A, Komanduri KV, Luznik L, Norkin M, Pidala JA, Ratanatharathorn V, Confer DL, Devine SM, Horowitz MM, Bolaños-Meade J. National Marrow Donor Program-Sponsored Multicenter, Phase II Trial of HLA-Mismatched Unrelated Donor Bone Marrow Transplantation Using Post-Transplant Cyclophosphamide. *J Clin Oncol*. 2021;39(18):1971-1982. Epub 2021 Apr 27. PMID: 33905264; PMCID: PMC8260905.
 225. Rappazzo KC, Zahurak M, Bettinotti M, Ali SA, **Ambinder AJ**, Bolaños-Meade J, Borrello I, Dezern AE, Gladstone D, Gocke C, Fuchs E, Huff CA, Imus PH, Jain T, Luznik L, Rahmat L, Swinnen LJ, Wagner-Johnston N, Jones RJ, Ambinder RF. Nonmyeloablative, HLA-Mismatched Unrelated Peripheral Blood Transplantation with High-Dose Post-Transplantation Cyclophosphamide. *Transplant Cell Ther*. 2021;27(11):909.e1-909.e6. Epub ahead of print. PMID: 34425261. PMCID: PMC8717359 (available on 2022-11-01).
 226. Sterling CH, Tsai HL, Holdhoff M, Bolaños-Meade J, Luznik L, Fuchs EJ, Huff CA, Gocke CB, Ali SA, Borrello IM, Varadhan R, Jones RJ, Gladstone DE, **Ambinder RF**, Wagner-Johnston N, Swinnen LJ, Imus PH. Allogeneic Blood or Marrow Transplantation with Nonmyeloablative Conditioning and High-Dose Cyclophosphamide-Based Graft-versus-Host Disease Prophylaxis for Secondary Central Nervous System Lymphoma. *Transplant Cell Ther*. 2021;27(10):863.e1-863.e5. Epub 2021 Jul 20. PMID: 34293518.
 227. Martínez LE, Lensing S, Chang D, Magpantay LI, Mitsuyasu R, **Ambinder RF**, Sparano JA, Martínez-Maza O, Epeldegui M. Immune Activation and Microbial Translocation as Prognostic Biomarkers for AIDS-Related Non-Hodgkin Lymphoma in the AMC-034 Study. *Clin Cancer Res*. 2021;27(16):4642-4651. Epub 2021 Jun 15. PMID: 34131000; PMCID: PMC8364886.
 228. Capoferri AA, Redd AD, Gocke CD, Clark LR, **Ambinder RF**, Durand CM. Short Communication: Persistence of HIV After Allogeneic Bone Marrow Transplant in a Dually Infected Individual. *AIDS Res Hum Retroviruses*. 2022;38(1):33-36. Epub 2021 Jul 5. PMID: 34107771; PMCID: PMC8817692.
 229. Fakhri B, Yilmaz E, Gao F, **Ambinder RF**, Jones R, Bartlett NL, Cashen A, Wagner-Johnston N. Survival after autologous versus allogeneic transplantation in patients with relapsed and refractory Hodgkin lymphoma. *Leuk Lymphoma*. 2021;62(10):2408-2415. Epub 2021 May 14. PMID: 33988071.
 230. Capoferri AA, Redd AD, Gocke CD, Clark LR, **Ambinder RF**, Durand CM. Short Communication: Persistence of HIV After Allogeneic Bone Marrow Transplant in a Dually Infected Individual. *AIDS Res Hum Retroviruses*. 2022;38(1):33-36. Epub 2021 Jul 5. PMID: 34107771.
 231. Xian RR, Kinyera T, Otim I, Sampson JN, Nabalende H, Legason ID, Stone J, Ogwang MD, Reynolds SJ, Kerchan P, Bhatia K, Goedert JJ, Mbulaiteye SM, **Ambinder RF**. Plasma EBV DNA: A Promising Diagnostic Marker for Endemic Burkitt Lymphoma. *Front Oncol*. 2021;11:804083. PMID: 34970500; PMCID: PMC8713969.
 232. Jain T, Tsai HL, DeZern AE, Gondek LP, Elmariah H, Bolaños-Meade J, Luznik L, Fuchs E, **Ambinder R**, Gladstone DE, Imus P, Webster J, Prince G, Ghiaur G, Smith BD, Ali SA,

- Ambinder A, Dalton WB, Gocke CB, Huff CA, Gojo I, Swinnen L, Wagner-Johnston N, Borrello I, Varadhan R, Levis M, Jones RJ. Post-Transplantation Cyclophosphamide-Based Graft- versus-Host Disease Prophylaxis with Nonmyeloablative Conditioning for Blood or Marrow Transplantation for Myelofibrosis. *Transplant Cell Ther.* 2022;28(5):259.e1-259.e11. Epub 2022 Feb 11. PMID: 35158092; PMCID: PMC9081210.
233. Capoferri AA, Redd AD, Gocke CD, Clark LR, Quinn TC, **Ambinder RF**, Durand CM. Brief Report: Rebound HIV Viremia With Meningoencephalitis After Antiretroviral Therapy Interruption After Allogeneic Bone Marrow Transplant. *J Acquir Immune Defic Syndr.* 2022;89(3):297-302. PMID: 34753870.
 234. Dave H, Terpilowski M, Mai M, Toner K, Grant M, Stanojevic M, Lazarski C, Shibli A, Bien SA, Maglo P, Hoq F, Schore R, Glenn M, Hu B, Hanley PJ, **Ambinder R**, Bollard CM. Tumor-associated antigen-specific T cells with nivolumab are safe and persist in vivo in relapsed/refractory Hodgkin lymphoma. *Blood Adv.* 2022;6(2):473-485. PMID: 34495306; PMCID: PMC8791594.
 235. Martínez LE, Lensing S, Chang D, Magpantay LI, Mitsuyasu R, **Ambinder RF**, Sparano JA, Martínez-Maza O, Epeldegui M. Immune Activation and Microbial Translocation as Prognostic Biomarkers for AIDS-Related Non-Hodgkin Lymphoma in the AMC-034 Study. *Clin Cancer Res.* 2021;27(16):4642-4651. Epub 2021 Jun 15. PMID: 34131000; PMCID: PMC8364886.
 236. Vogt SL, Maloma L, Xian RR, **Ambinder RF**, Philip V, Patel M, Martinson NA, Omar T. Significance of lymph node fine needle aspiration for the diagnosis of HIV-associated lymphoma in a low-resource setting. *AIDS.* 2022;36(10):1393-1398. Epub 2022 Apr 23. PMID: 35466960; PMCID: PMC9329253.
 237. Martínez LE, Lensing S, Chang D, Magpantay LI, Mitsuyasu R, **Ambinder RF**, Sparano JA, Martínez-Maza O, Epeldegui M. Plasma extracellular vesicles bearing PD-L1, CD40, CD40L or TNF-RII are significantly reduced after treatment of AIDS-NHL. *Sci Rep.* 2022;12(1):9185. PMID: 35655072; PMCID: PMC9163074.
 238. Reid EG, Shimabukuro K, Moore P, **Ambinder RF**, Bui JD, Han S, Martínez-Maza O, Dittmer DP, Aboulafia D, Chiao EY, Maurer T, Baiocchi R, Mitsuyasu R, Wachsman W; AIDS Malignancy Consortium (AMC). AMC-070: Lenalidomide Is Safe and Effective in HIV-Associated Kaposi Sarcoma. *Clin Cancer Res.* 2022;28(12):2646-2656. PMID: 35247913; PMCID: PMC9197984.
 239. Hughes MS, Sterling CH, Varadhan R, **Ambinder RF**, Jones RJ, Sweren RJ, Rozati S, Bolaños-Meade J, Luznik L, Imus PH, Ali SA, Borrello IM, Huff CA, T J, Ambinder A, DeZern AE, Gocke CB, Gladstone DE, Swinnen LJ, Wagner-Johnston ND, Fuchs EJ. Mismatched donor transplantation with post-transplantation cyclophosphamide for advanced cutaneous T-cell lymphoma: a single-center retrospective study. *Leuk Lymphoma.* 2022 Aug 1:1-5. Epub ahead of print. PMID: 35915978.
 240. Wang S, Pasca S, Post WS, Langan S, Pallavajjala A, Haley L, Gocke CD, Budoff M, Haberlen S, Brown TT, **Ambinder RF**, Margolick JB, Gondek LP. Clonal hematopoiesis in men living with HIV and association with subclinical atherosclerosis. *AIDS.* 2022;36(11):1521-1531. Epub 2022 Jul 21. PMID: 35730391.
 241. Shaw BE, Jimenez-Jimenez AM, Burns LJ, Logan BR, Khimani F, Shaffer BC, Shah NN, Mussetter A, Tang XY, McCarty JM, Alavi A, Farhadfar N, Jamieson K, Hardy NM, Choe H, **Ambinder RF**, Anasetti C, Perales MA, Spellman SR, Howard A, Komanduri KV, Luznik L, Norkin M, Pidala JA, Ratanatharathorn V, Confer DL, Devine SM, Horowitz MM, Bolaños-Meade J. Three-year outcomes in recipients of mismatched unrelated bone marrow donor transplants using post-transplant cyclophosphamide: follow-up from a National Marrow Donor Program-sponsored prospective clinical trial. *Transplant Cell Ther.* 2022. S2666-6367(22)01865-6. Epub ahead of print. PMID: 36584941; PMCID: PMC9992261.
 242. Webster JA, Reed M, Tsai HL, Ambinder A, Jain T, DeZern AE, Levis MJ, Showel MM, Prince GT, Hourigan CS, Gladstone DE, Bolanos-Meade J, Gondek LP, Ghiaur G, Dalton WB, Paul S, Fuchs EJ, Gocke CB, Ali SA, Huff CA, Borrello IM, Swinnen L, Wagner-Johnston N, **Ambinder**

- RF**, Luznik L, Gojo I, Smith BD, Varadhan R, Jones RJ, Imus PH. Allogeneic Blood or Marrow Transplantation with High-Dose Post-Transplantation Cyclophosphamide for Acute Lymphoblastic Leukemia in Patients Age ≥ 55 Years. *Transplant Cell Ther.* 2023;29(3):182.e1-182.e8. Epub 2022 Dec 29. PMID: 36587740; PMCID: PMC992271.
243. Thomas N, Dreval K, Gerhard DS, Hilton LK, Abramson JS, **Ambinder RF**, Barta S, Bartlett NL, Bethony J, Bhatia K, Bowen J, Bryan AC, Cesarman E, Casper C, Chadburn A, Cruz M, Dittmer DP, Dyer MA, Farinha P, Gastier-Foster JM, Gerrie AS, Grande BM, Greiner T, Griner NB, Gross TG, Harris NL, Irvin JD, Jaffe ES, Henry D, Huppi R, Leal FE, Lee MS, Martin JP, Martin MR, Mbulaiteye SM, Mitsuyasu R, Morris V, Mullighan CG, Mungall AJ, Mungall K, Mutyaba I, Nokta M, Namirembe C, Noy A, Ogwang MD, Omoding A, Orem J, Ott G, Petrello H, Pittaluga S, Phelan JD, Ramos JC, Ratner L, Reynolds SJ, Rubinstein PG, Sissolak G, Slack G, Soudi S, Swerdlow SH, Traverse-Glehen A, Wilson WH, Wong J, Yarchoan R, ZenKlusen JC, Marra MA, Staudt LM, Scott DW, Morin RD. Genetic subgroups inform on pathobiology in adult and pediatric Burkitt lymphoma. *Blood.* 2023;141(8):904-916. PMID: 36201743.
 244. Li L, Shu XS, Geng H, Ying J, Guo L, Luo J, Xiang T, Wu L, Ma BBY, Chan ATC, Zhu X, **Ambinder RF**, Tao Q. A novel tumor suppressor encoded by a 1p36.3 lncRNA functions as a phosphoinositide-binding protein repressing AKT phosphorylation/activation and promoting autophagy. *Cell Death Differ.* 2023 May;30(5):1166-1183. Epub 2023 Feb 23. PMID: 36813924; PMCID: PMC10154315.
 245. Sterling CH, Hughes MS, Tsai HL, Yarkony K, Fuchs EJ, Swinnen LJ, Paul S, Bolaños-Meade J, Luznik L, Imus PH, Ali SA, Jain T, Ambinder A, DeZern A, Huff CA, Gocke CB, Varadhan R, Wagner-Johnston N, Jones RJ, **Ambinder RF**. Allogeneic Blood or Marrow Transplantation with Post-Transplantation Cyclophosphamide for Peripheral T Cell Lymphoma: The Importance of Graft Source. *Transplant Cell Ther.* 2023;(4):267.e1-267.e5. Epub 2022 Dec 19. PMID: 36549386; PMCID: PMC10040425.
 246. DeZern AE, Zahurak M, Symons HJ, Cooke KR, Huff CA, Jain T, Swinnen LJ, Imus PH, Wagner-Johnston ND, **Ambinder RF**, Levis M, Luznik L, Bolaños-Meade J, Fuchs EJ, Jones RJ, Brodsky RA. Alternative donor BMT with posttransplant cyclophosphamide as initial therapy for acquired severe aplastic anemia. *Blood.* 2023 Jun 22;141(25):3031-3038. PMID: 37084383.
 247. Haigentz M Jr, Lee JY, Chiao EY, Aboulafia DM, Ratner L, **Ambinder RF**, Baiocchi RA, Mitsuyasu RT, Wachsmann W, Sparano JA, Rudek MA. Phase I Trial of the Multi-kinase Inhibitor Cabozantinib, a CYP3A4 Substrate, plus CYP3A4-Interacting Antiretroviral Therapy in People Living with HIV and Cancer (AMC-087). *Clin Cancer Res.* 2023 Dec 15;29(24):5038-5046. PMID: 37523145.
 248. Rubinstein PG, Moore PC, Bimali M, Lee JY, Rudek MA, Chadburn A, Ratner L, Henry DH, Cesarman E, DeMarco CE, Costagliola D, Taoufik Y, Ramos JC, Sharon E, Reid EG, **Ambinder RF**, Mitsuyasu R, Mounier N, Besson C, Noy A; AIDS Malignancy Consortium; Lymphoma Study Association. Brentuximab vedotin with AVD for stage II-IV HIV-related Hodgkin lymphoma (AMC 085): phase 2 results from an open-label, single arm, multicentre phase 1/2 trial. *Lancet Haematol.* 2023 Aug;10(8):e624-e632. PMID: 37532416.
 249. Skoloda D, Newman M, Norman H, Ziggas JE, **Ambinder RF**. Impact of Prophylactic Trimethoprim-Sulfamethoxazole on Clearance of High-Dose Methotrexate in Adult Patients. *JCO Oncol Pract.* 2024 Feb 21:OP2300792. Epub ahead of print. PMID: 38382007.
 250. Li M, Smith BJ, Lee J, Petr J, Anders NM, Wiseman R, Rudek MA, **Ambinder RF**, Desai PJ. Nelfinavir inhibition of Kaposi's sarcoma-associated herpesvirus protein expression and capsid assembly. *Infect Agent Cancer.* 2024 Mar 4;19(1):7. PMID: 38439055; PMCID: PMC10913605.
 251. Sarathkumara YD, Xian RR, Liu Z, Yu KJ, Chan JKC, Kwong YL, Lam TH, Liang R, Chiu B, Xu J, Hu W, Ji BT, Coghill AE, Kelly AM, Pfeiffer RM, Rothman N, **Ambinder RF**, Hildesheim A, Lan Q, Proietti C, Doolan DL. A proteome-wide analysis unveils a core Epstein-Barr virus antibody signature of classic Hodgkin lymphoma across ethnically diverse populations. *Int J Cancer.* 2024 Jul 12. Epub ahead of print. PMID: 38995124.

252. Komlodi-Pasztor E, Escarra-Senmarti M, Bazer DA, Bhatnagar A, Perez Heydrich CA, Messmer M, **Ambinder RF**, Gladstone DE, Clayton L, Goodrich A, Schoch L, Wagner-Johnston N, VandenBussche CJ, Huang P, Holdhoff M, Rosario M. The immune response to Covid-19 mRNA vaccination among lymphoma patients receiving anti-CD20 treatment. *Front Immunol*. 2024 Sep 4;15:1433442. PMID: 39295862.
253. Vogt SL, Laudin G, Zahurak M, Vaughan J, Lakha A, Pather S, Waja Z, Chetty D, Omar T, Stevens W, Ashmore P, Otworld K, Hlongwane K, Varadhan R, Patel M, **Ambinder RF**, Martinson NA, Xian RR, Philip V. Real-world treatment outcomes for Hodgkin lymphoma in South Africa: a prospective observational study. *Infect Agent Cancer*. 2024 Sep 27;19(1):46. PMID: 39334203; PMCID: PMC11428538.
254. Tabbara N, Zahurak M, Sterling CH, Trutzer IM, Jedrych J, Swinnen LJ, Fuchs EJ, Bolaños-Meade J, Wagner-Johnston N, Jones RJ, **Ambinder RF**, Varadhan R, Paul S. Improved overall survival with checkpoint inhibition and allogeneic transplantation in relapsed Hodgkin lymphoma. *Blood Adv*. 2025 Mar 11;9(5):1202-1209. PMID: 39693511.
255. Vogt SL, Hlongwane K, Arora A, Otworld K, Chetty D, Berhanu RH, Waja Z, Stevens W, Omar T, Martinson NA, **Ambinder RF**, Xian RR. Prolonged Diagnostic Interval Leads to High Lymphoma Related Mortality in a Prospective Cohort of People with HIV Undergoing Fine Needle Aspiration. *Cancers (Basel)*. 2025 Mar 17;17(6):1005. PMID: 40149339; PMCID: PMC11941734.

Book Chapters, Invited Reviews, Commentaries and Letters to the Editor:

1. **Ambinder RF**. Letter to the Editor. Black Under Representation in Medical Schools. *N Engl J Med* 298: pp. 517, 1978.
2. **Ambinder RF** and Schuster MM. Endorphins: New Gut Peptides with a Familiar Face. *Gastroenterol* 77: pp.1132-1140, 1979.
3. Money J and **Ambinder RF**. Transsexualism: Indications for Surgical Treatment. In *Controversy in Psychiatry* (J.P. Brady and H.K. Broadie, eds.). Saunders, Philadelphia, pp. 833-845, 1978. Reprinted as: "When (if ever) Should Sex-Change Operations Be Performed?" In *Psychiatry at the Crossroads* (Brady JP and Broadie, HK, eds.). Saunders, Philadelphia, PA, pp. 150-163, 1980.
4. Balfour HH, Myers JD, Bean B, **Ambinder RF**, Wade JC, Zaia JA, Aeppli D, Kirk LE, Segretti A and Keeney RE. Letter to the Editor. Acyclovir for Immunocompromised Patients with Herpes Zoster. *N Engl J Med* 309: pp.1254-1255, 1983.
5. Hayward GS, **Ambinder RF**, Ciufo D, Hayward SD, and LaFemina RL. Structural Organization of Human Herpesvirus DNA Molecules. *J Invest Dermat* 83: pp. 29S-41S, 1984.
6. **Ambinder RF**, Hayward SD, Scott AL, Burns WH, Saral R, Milman G, and Hayward GS. Application of Recombinant DNA Technology to Rapid Diagnosis in Epstein-Barr Virus Infections. *Proceedings of the Third International Symposium on Laboratory Medicine*. *Quimica Clinica* 5: pp.89-93, 1986.
7. Yeager AM, Kaizer H, Braine HG, Colvin M, Rowley SD, Saral R, Fuller DJ, **Ambinder RF**, Burns WH, May S, Sensenbrenner LL, Stuart RK, Vogelsang GB, Wingard JR, and Santos GW. Autologous Bone Marrow Transplantation in Patients With Acute Nonlymphocytic Leukemia: A Study of Ex Vivo Marrow Treatment with 4-Hydroperoxycyclophosphamide. In *Minimal Residual Disease in Acute Leukemia* (Lowenberg B and Hagenbeek A, eds.) Martinus Nijhoff, Boston, MA, pp. 234-247, 1986.
8. Santos GW, Saral R, Burns WH, Braine HG, Sensenbrenner LL, Wingard JR, Yeager AM, **Ambinder RF**, Rowley SD, May S, and Vogelsang GB. Bone Marrow Transplantation with HLA Identical Donors in the Acute Leukemias - Baltimore Experience. In *Minimal Residual Disease in Acute Leukemia* (Lowenberg B and Hagenbeek A, eds.) Martinus Nijhoff, Boston, MA, pp. 305-317, 1986.

9. **Ambinder RF**, Burns WH, Charache P, Joffe A, Metroka C, Polk F, Saral R, Hayward SD, Wright P, and Hayward GS. Semiquantitative Analysis of Oropharyngeal EBV Shedding in Various Populations by Dot Blot Hybridization. In Epstein-Barr Virus and Human Disease (Levine PH, Ablashi DV, Nonayama M, Pearson GR, and Glaser R eds.) Humana Press, Clifton, NJ, pp. 125-126, 1987.
10. **Ambinder RF**, Shah WA, Fixman ED, Lambe BC, Rawlins DR, Hayward GS and Hayward SD. DNA: EBNA-1 Interactions and Latency of Epstein-Barr Virus. In Epstein-Barr Virus and Human Disease (Ablashi DV, Faggioni A, Krueger GRF, Pagano JS, Pearson GR, eds.) Humana Press, Clifton, NJ, pp. 37-42, 1988.
11. **Ambinder RF**. Book Review. Advances in Viral Oncology, 8: Tumorigenic DNA Viruses. (Klein G, ed.) in J Natl Cancer Inst 81: pp. 1833-1834, 1989.
12. **Ambinder RF**. Human Lymphotropic Viruses Associated with Lymphoid Malignancy: Epstein-Barr and HTLV-1. Hemat/Oncol Clin N Am 4: pp. 821-833, 1990.
13. **Ambinder RF**. Recent Experimental Studies in Lymphoma: Molecular and Virologic Aspects. Curr Opin Onc 2: pp. 811-815, 1990.
14. **Ambinder RF** and Griffin CA. Biology of the Lymphomas: Cytogenetics, Molecular Biology and Virology. Curr Opin Onc 3: pp. 806-812, 1991.
15. Wu T-C, MacMahon EME, Zhang J, Lambe B, Charache P, Mann RB, Epstein J, Hayward SD, and **Ambinder RF**. EBV Small Nuclear RNA in Malignancy: A Morphologically Distinctive Target for Detection of EBV in Formalin-Fixed Paraffin-Embedded Specimens. In Epstein-Barr Virus and Human Disease (Ablashi DV, Huang AT, Pagano JS, Pearson GR, Yang CS, eds.) Humana Press, Clifton, NJ, pp. 163-167, 1991.
16. **Ambinder RF**, Wu T-C, Lambe B, Zhang J, Charache P, Zehnbauser BA, Hayward GS, and Mann RB. Absence of EBV in Reed-Sternberg Cells in Many Cases of Hodgkin's Disease. In Epstein-Barr Virus and Human Disease (Ablashi DV, Huang AT, Pagano JS, Pearson GR, Yang CS, eds.) Humana Press, Clifton, NJ, pp. 277-281, 1991.
17. Spivak JL, Glaspy J, Kaplan L and **Ambinder RF**. AIDS: Hematopoietic Growth Factors, Systemic Non-Hodgkin's Lymphoma and Primary Central Nervous System Lymphoma. (McArthur JR ed.) American Society of Hematology Annual Education Symposia, pp. 96-103, 1991.
18. MacMahon EME, Glass JD, Hayward SD, Mann RB, Charache P, McArthur JC and **Ambinder RF**. Association of Epstein-Barr Virus with Primary Central Nervous System Lymphoma in AIDS. AIDS Res Hum Retrovir 8: pp.740-742, 1992.
19. Jones RJ, Seifter EJ and **Ambinder RF**. Therapy of Non-Hodgkin's Lymphoma. In Current Therapy in Oncology. (Niederhuber JE ed.) B.C. Decker, Inc., Philadelphia, PA, pp. 564-570, 1992.
20. **Ambinder RF**. AIDS Lymphomas. In Current Therapy in Oncology. (Niederhuber JE ed.) B.C. Decker, Inc., Philadelphia, PA, pp. 611-616, 1992.
21. Jones RJ, **Ambinder RF** and Seifter EJ. Non-Hodgkin's Lymphoma. In Fundamentals of Clinical Hematology 3rd Edition. (Spivak JL, Eichner ER, eds.) Johns Hopkins University Press, Baltimore, MD, pp. 259-269, 1993.
22. Ryon JJ, Zhang J, Barletta JM, MacMahon EME, Ling Y, Hayward SD, Charache P, Mann RB and **Ambinder RF**. Detection of Epstein-Barr Virus Transcripts in Clinical Specimens. In Epstein-Barr Virus and Associated Disease. (Turcz T ed.) John Libbey, London, pp. 425-432, 1993.
23. **Ambinder RF** and Mann RB. Epstein-Barr Encoded RNA In Situ Hybridization: Diagnosis Applications. Hum Path 25: pp. 602-605, 1994.
24. **Ambinder RF** and Mann RB. Detection and Characterization of Epstein-Barr Virus in Clinical Specimens. Am J Pathol 145: pp. 239-252, 1994.
25. MacMahon EME and **Ambinder RF**. EBV In Situ Hybridization: Sensitive Detection of Latent Epstein-Barr Virus in Individual Cells. Rev Med Virol 4: pp. 251-260, 1994.

26. Murray PG and **Ambinder RF**. In Situ Hybridization in Relation to Infectious Agents. In Molecular Aspects of Histopathology. (Crocker J ed.) John Wiley & Sons, Ltd., London, pp. 1-14, 1994.
27. Caldas C and **Ambinder RF**. Epstein-Barr Virus and Bone Marrow Transplantation. *Curr Opin Onc* 7: pp. 107-114, 1995.
28. **Ambinder RF**. Cancer in AIDS. Editorial Overview. *Curr Opin Onc* 7: pp. 427-428, 1995.
29. Robertson KD, Barletta JM, Samid D and **Ambinder RF**. Pharmacologic Activation of Expression of Immunodominant Viral Antigens: A New Strategy for the Treatment of Epstein - Barr virus Associated Malignancies. *Curr Topics in Microbiol Immun* 194: pp.145-154, 1995.
30. **Ambinder RF**, Orentas RJ and Robertson KD. Epstein - Barr virus and Hodgkin's Disease. *Cambridge Medical Reviews: Haemat. Onc.* 4: pp. 1-40, 1995.
31. **Ambinder RF**. Neoplasia, Case Studies: Fever and Cervical Lymph Node Enlargement. In *The Biology of Disease*. (Phillips DJ, Murray PL, Crocker J, eds.) Blackwell Scientific Publications Ltd., Oxford, pp. 271-273, 1995.
32. **Ambinder RF**, Robertson KD, Moore SM and Yang J. Epstein-Barr Virus as a Therapeutic Target in Hodgkin's Disease and Nasopharyngeal Carcinoma. *Sem Cancer Biol*, 7: pp. 217-226, 1996.
33. **Ambinder RF**. Editorial Overview. AIDS Oncology Emerges as a Clinical Discipline. *Curr Opin Onc*, 8: pp. 371-372, 1996.
34. Flinn IW and **Ambinder RF**. AIDS Primary Central Nervous System Lymphoma. *Curr Opin Onc*, 8: pp. 373-376, 1996.
35. Robertson KD and **Ambinder RF**. Regulation of the Epstein-Barr Virus *Bam*HI-C Promoter by DNA Methylation. *EBV Report*, 3: pp. 91-95, 1996.
36. **Ambinder RF**. Epstein-Barr Virus as a Target for Anti-Cancer Therapy. In *American Society of Clinical Oncology Educational Book*, 32nd Annual Educational Symposia. Prepared by Bostrom Corporation, Philadelphia PA, pp. 36-39, 1996.
37. **Ambinder RF**, Jones RJ and Seifter EJ. Lymphoma. In *The Principles and Practice of Medicine* (Stobo JD, Hellmann DB, Ladenson PW, Petty BG, and Trail TA, eds.) Appelton & Lange Publishers, Stamford, CT, pp. 797-801, 1996.
38. **Ambinder RF**. Meeting Report. The 1st National AIDS Malignancy Symposium. *EBV Report*, 4: pp. 91-92, 1997.
39. Gillison M and **Ambinder RF**. Human Herpesvirus-8. *Curr Opin Onc* 9: pp.440-449, 1997.
40. Shipp MA, **Ambinder RF**, Appelbaum FR, Cabanillas F, Harris NJ, Herzig GP, Hoppe RT, Horning SJ, Pezner RD, Rodriguez MA, Vose JM, Yahalom J and Zelenetz AD. NCCN Preliminary Non-Hodgkin's Lymphoma Practice Guidelines. *Oncology* 11: pp. 281-346, 1997.
41. Filipovich AH, Mertens A, Robison L, **Ambinder RF**, Shapiro RS, and Frizzera G. Lymphoproliferative Disorders Associated with Primary Immunodeficiencies. In, *The Non-Hodgkin's Lymphomas*, Second Edition. (Magrath IT, ed.) Oxford University Press, Inc., New York, NY, pp. 459-471, 1997.
42. Flinn IW and **Ambinder RF**. AIDS Oncology. *Curr Opin Infect Dis* 11: pp. 23-27, 1998.
43. **Ambinder RF**. Epstein-Barr Virus Infection, Chapter 54. In, *Hematopoietic Cell Transplantation*, Second Edition (Thomas ED, Blume KG, and Forman S. eds.) Blackwell Science, Inc., Malden, MA, pp. 607-616, 1998.
44. **Ambinder RF** and Flinn IW. Clinical Aspects of AIDS Related Lymphoma, Chapter 28. In, *Textbook of AIDS Medicine*, Second Edition. (Merigan Jr.T, Bartlett JG, Bolognesi

- D, eds.) Williams and Wilkens, Baltimore, MD, pp. 451-456, 1998.
45. **Ambinder RF**, Lemas MV, Moore S, Yang J, Fabian D and Krone C. Epstein-Barr Virus and Lymphoma. *Cancer Treat Res* 99: pp. 27-45, 1999.
 46. **Ambinder RF** and Weiss L. Epstein-Barr Virus and Hodgkin's Disease. In *Hodgkin's Disease*. (Mauch P, Armitage J, Diehl V, Hoppe R, Weiss L, eds.) Lippincott Williams & Wilkins, Philadelphia, PA, pp. 79-98, 1999.
 47. **Ambinder RF**, Robertson KD and Tao Q. DNA Methylation and the Epstein-Barr Virus. *Semin Cancer Biol* 9: pp. 369-375, 1999.
 48. Hsieh W-S, Lemas MV and **Ambinder RF**. The Biology of Epstein-Barr Virus in Post-Transplant Lymphoproliferative Disorder. *Transplant Infect Dis* 1: pp. 204-212, 1999.
 49. **Ambinder RF**. New Controversies and New Directions. *Curr Opin Oncol*, 12: pp. 435-437, 2000.
 50. **Ambinder RF**. Gammaherpesviruses and "Hit-and-Run" oncogenesis. *Am J Pathol*, 156:1-3, 2000.
 51. Flinn IW and **Ambinder RF**. HIV-Associated Malignancies: Kaposi's Sarcoma and Lymphoma, Part III, Chapter 79. In, *Clinical Oncology*, Second Edition (Abeloff MD, Armitage JO, Lichter AS, Niederhuber JE, eds.) Churchill Livingstone, Division of Harcourt Brace & Company, Philadelphia, PA, pp. 2330-2345, 2000.
 52. **Ambinder RF** and Sparano JA. Primary central nervous system lymphoma. *Cancer Treat Res*, 104: pp. 231-246, 2001.
 53. **Ambinder RF**. Epstein-Barr virus associated lymphoproliferations in the AIDS setting. *Eur J Cancer*, 37: pp. 1209-1216, 2001.
 54. **Ambinder RF**. Fever and Cervical Lymph Node Enlargement. In: *The Biology of Disease*, Second Edition (Phillips J, Murray P and Kirk P, eds.) Blackwell Science Ltd, Oxford, England, pp. 246-247, 2001.
 55. **Ambinder RF**. Primary Central Nervous System Lymphoma. In: *Current Therapy in Neurologic Disease*, Sixth Edition (Johnson RT, Griffin JW, McArthur JC, eds.) Mosby, Inc., St. Louis, M), pp. 270-272, 2001.
 56. **Ambinder RF**. Epidemiology of Hodgkin's disease and the role of Epstein-Barr virus. In: *Up-To-Date*, Volume 10.1. Up-To-Date, Inc., Wellesley, MA, 2002.
 57. Carraway H and **Ambinder RF**. Plasma cell dyscrasia, Hodgkin lymphoma, HIV, and Kaposi sarcoma-associated herpesvirus. *Curr Opin Oncol*, 14: pp. 543-545, 2002.
 58. Lechowicz MJ, Lin L and **Ambinder RF**. Epstein-Barr virus DNA in body fluids. *Curr Opin Oncol*, 14: pp. 533-537, 2002.
 59. **Ambinder RF**. Infectious agents and lymphoma. In: *Non-Hodgkin's Lymphomas* (Armitage JO, Coiffier B, Dalla-Favera R, Harris NL and Mauch PM, eds.) Lippincott-Williams & Wilkins, Philadelphia, pp. 749-770, 2003.
 60. **Ambinder RF**. Viruses as potential targets for therapy in HIV-associated malignancies. In: *Hematology/Oncology Clinics of North America* (Krown SE, VonRoenn J, eds.) Elsevier Science, Philadelphia, pp. 699-702, 2003.
 61. **Ambinder RF**. Epstein-Barr virus-associated lymphoproliferative disorders. In: *Reviews in Clinical and Experimental Hematology* (Foa R, Hoffbrand AV, eds.) Blackwell Publishing, Puglia, Italy, pp. 362-374, 2003.
 62. **Ambinder RF**. Infection and lymphoma. *N Engl J Med*, 349: pp. 1309-1311, 2003.
 63. **Ambinder RF**. Posttransplant lymphoproliferative disease: pathogenesis, monitoring, and therapy. *Curr Oncol Rep*. 2003; 5: pp. 359-363.

64. Hsieh W and **Ambinder RF**. Targeting Epstein-Barr Virus in the Treatment of Nasopharyngeal Carcinoma. *Cancer Reviews: Asia-Pacific*. 2003; 1: pp. 51-57.
65. **Ambinder RF**. Epstein-Barr Virus Infection. In: Thomas' Hematopoietic Cell Transplantation (Blume KG, Forman SJ, Appelbaum FR, eds.) Blackwell Publishing, England, pp.749-756, 2004.
66. **Ambinder RF**. HIV-Associated malignancies. In: Clinical Oncology (Abeloff MD, Armitage JO, Niederhuber JE, Kastan MB, McKenna WG, eds.) Elsevier Science, Philadelphia, pp. 2647-2659, 2004.
67. **Ambinder RF**. Infectious Agent and Lymphoma. In: Non-Hodgkin's Lymphomas (Mauch PM, Armitage JO, Coiffier B, Dalla-Favera R, Harris NL, eds.) Lippincott Williams & Wilkins, Philadelphia, 46: 749-769, 2004.
68. **Ambinder RF** and Lan L. Mononucleosis in the laboratory. *J Infect Dis*.2005; 192: 1503-1504.
69. **Ambinder RF**. Epstein-Barr Virus and HIV. In: Epstein-Barr Virus (Tselis A, Jenson H B, eds) Taylor and Francis Group, New York, pp. 175-182, 2006.
70. **Ambinder RF** and Cesarman E. Clinical and pathological aspects of EBV and KSHV infection In: Human Herpesviruses: Biology, Therapy, and Immunoprophylaxis. (Arvin A, Campadielli G, Moore P, Mocarski E, Roizman B, Whitley R, and Yamanishi K, eds.) Cambridge University Press, Cambridge UK, pp. 885-914, 2007.
71. **Ambinder RF** and Weiss L. Association of Epstein - Barr virus with Hodgkin In: Hodgkin Lymphoma, (Mauch PM, Armitage JO, Diehl V, Hoppe RT, and Weiss LM, eds.) Lippincott Williams & Wilkins, Philadelphia, pp. 25-39, 2007.
72. Wagner-Johnston ND and **Ambinder RF**. Epstein Barr Virus-Related Lymphoproliferative Disorders. *Current Hematologic Malignancy reports*, 2: pp. 249-254, 2007.
73. Hoppe RT, Advani RH, **Ambinder RF**, Bierman PJ, Bloomfield CD, Blum K, Dabaja B, Djulbegovic B, Forero A, Gordon LI, Hernandez-Ilizaliturri FJ, Hudson MM, Kaminski MS, Love G, Maloney DG, Mansur D, Mauch PM, Moore JO, Schilder RJ, Weiss LM, Winter JN, Yahalom J, Zelenetz AD; National Comprehensive Cancer Network. Hodgkin disease/lymphoma. *J Natl Compr Canc Netw*. 2008;6(6):594-622. PMID: 18597713.
74. **Ambinder RF**. Hodgkin twins: double good, double trouble. *Blood*. 2008; 111:3377.
75. Wagner-Johnston ND and **Ambinder RF**. Blood and marrow transplant for lymphoma patients with HIV/AIDS. *Curr Opin Oncol*, 20: pp. 201-05, 2008.
76. **Ambinder RF** and Wagner-Johnston ND. HIV-associated malignancies. In: Clinical Oncology (Abeloff MD, Armitage JO, Niederhuber JE, Kastan MB and McKenna WG, eds.) Elsevier Science, Philadelphia, pp. 1061-1071, 2008.
77. **Ambinder RF**. Disease and Pathogenesis Associated with Epstein-Barr Virus. In: Human Cancer Viruses. Principles of Transformation and Pathogenesis. (Nicholas J, Jeang K-T and Wu T-C, eds.) Trams; Res Biomed. Basel, Karger, pp. 137-149, 2008.
78. Kasamon YL and **Ambinder RF**. Immunotherapies for Hodgkin's lymphoma. *Crit Rev Oncol Hematol* 66: pp. 135-44, 2008.
79. Hsieh W and **Ambinder RF**. Epstein-Barr Virus Infection In: Thomas' Hematopoietic Cell Transplantation 4th Edition (Appelbaum FR, Forman SJ, Negrin RS, Blume KG, eds.) Wiley-Blackwell, 1410-1418, 2009
80. **Ambinder RF**. The Same But Different: Autologous Hematopoietic Stem Cell

- Transplantation for Patients with Lymphoma and HIV Infection Bone Marrow Transplant. 2009;44 (1):1-5.
81. **Ambinder RF**. Evaluation of T- and NK-cell-targeted therapies: is there a role for rituximab prophylaxis? Clin Cancer Res. 2009;15(7):2205-6. Epub 2009 Mar 17. PMID: 19293254.
 82. **Ambinder RF**. Infectious Etiology of Lymphoma In: Non-Hodgkin Lymphomas 2nd Edition. (Armitage JO, Mauch PM, Harris NL, Coiffier B, Dalla-Favera R, eds.) Lippincott Williams & Wilkins, Philadelphia. 83-101, 2010.
 83. **Ambinder, RF**. Herpesviruses and Lymphoma In: The Lymphoid Neoplasms 3rd Edition (Magrath, IT, Bhatia K, Boffetta P, Dearden C, Diehl V, Gascoyne RD, Muller-Hermelink HK, Potter M, Rohatiner, AZS) Hodder Arnold an Hachette UK Company 116-125, 2010.
 84. **Ambinder RF**, Bhatia K, Martinez-Maza O, Mitsuyasu R. Cancer biomarkers in HIV Patients. Curr Opin HIV AIDS. 2010;5(6):531-7.
 85. **Ambinder RF**, Mystery of the missing target. Blood. 2010 November 11;116(19):3691-2.
 86. Rudek MA, Flexner C, **Ambinder RF**. Use of antineoplastic agents in patients with cancer who have HIV/AIDS. Lancet Oncol. 2011; (11)70056-0 .
 87. Shirley CM, **Ambinder RF**. When differentiation goes viral. Blood. 2011;2(22):5790-1.
 88. Rudek MA, **Ambinder RF**. Flexner CW, Deeken JF. Systemic therapy for malignancy in patients on anti retroviral medications. In: UpToDate, Basow, DS (Ed), UpToDate, Waltham, MA, 2012.
 89. Durand CM, **Ambinder RF**. Hematopoietic stem cell transplantation in HIV-1-infected individuals: clinical challenges and the potential for viral eradication. Curr Opin Oncol. 2013;25(2):180-6. PMID: 23385862.
 90. Kanakry JA, **Ambinder RF**. EBV-related lymphomas: new approaches to treatment. Curr Treat Options Oncol. 2013;14 (2):224-36. PMID:PMC3670765low-grade
 91. Gantt S, Casper C, **Ambinder RF**. Insights into the broad cellular effects of nelfinavir and the HIV protease inhibitors supporting their role in cancer treatment and prevention. Curr Opin Oncol. 2013;25(5):495-502. PMID:PMC4029099
 92. Kanakry JA, **Ambinder RF**. Old variables, new value: a refined IPI for DLBCL. Blood. 2014;123(6):800-1. No abstract available. PMID: 24505063
 93. Kanakry JA, **Ambinder RF**. The Biology and Clinical Utility of EBV Monitoring in Blood. 2015;391:475-99.
 94. Hoppe RT, Advani RH, Ai WZ, **Ambinder RF**, Aoun P, Bello CM, Benitez CM, Bierman PJ, Blum KA, Chen R, Dabaja B, Forero A, Gordon LI, Hernandez-Ilizaliturri FJ, Hochberg EP, Huang J, Johnston PB, Khan N, Maloney DG, Mauch PM, Metzger M, Moore JO, Morgan D, Moskowitz CH, Mulroney C, Poppe M, Rabinovitch R, Seropian S, Tsien C, Winter JN, Yahalom J, Burns JL, Sundar H; National comprehensive cancer network. Hodgkin lymphoma, version 2.2015. J Natl Compr Canc Netw. 2015;13(5):554-86. PMID: 25964641.
 95. **Ambinder, RF**. EBV, an inhibited receptor kinase, and lymphoma. Blood. 2016;128(12):1542-3. No abstract available. PMID:27658699.
 96. Hoppe RT, Advani RH, Ai WZ, **Ambinder RF**, Aoun P, Bello CM, Benitez CM, Bernat K, Bierman PJ, Blum KA, Chen R, Dabaja B, Forero A, Gordon LI, Hernandez-Ilizaliturri FJ, Hochberg EP, Huang J, Johnston PB, Kaminski MS, Kenkre VP, Khan N, Maloney DG, Mauch PM, Metzger M, Moore JO, Morgan D, Moskowitz CH, Mulroney C, Poppe

- M, Rabinovitch R, Seropian S, Smith M, Winter JN, Yahalom J, Burns J, Ogbra N, Sundar H. Hodgkin Lymphoma Version 1.2017, NCCN Clinical Practice Guidelines in Oncology. J Natl Compr Canc Netw. 2017;15(5):608-638. PMID: 28476741.
97. Hunter NB, Vogt S, **Ambinder RF**, Treatment of HIV-Associated Lymphomas: The Latest Approaches for Optimizing Outcomes. 2017;31(12):872-7, 884. PMID: 292971.
 98. Baer AN, **Ambinder, RF**. Lymphoproliferative disease in Sjogren's syndrome. Sjogren's syndrome: A Clinical Handbook. Chapter 8.
 99. Hoppe RT, Advani RH, Ai WZ, **Ambinder RF**, Aoun P, Armand P, Bello CM, Benitez CM, Bierman PJ, Chen R, Dabaja B, Dean R, Forero A, Gordon LI, Hernandez-Ilizaliturri FJ, Hochberg EP, Huang J, Johnston PB, Kaminski MS, Kenkre VP, Khan N, Maddocks K, Maloney DG, Metzger M, Moore JO, Morgan D, Moskowitz CH, Mulroney C, Rabinovitch R, Seropian S, Tao R, Winter JN, Yahalom J, Burns JL, Ogbra N. NCCN Guidelines Insights: Hodgkin Lymphoma, Version 1.2018. J Natl Compr Canc Netw. 2018;16(3):245-254. PMID: 29523663.
 100. Shanbhag S, Wagner-Johnston N, **Ambinder RF**, Jones RJ. Is It Time to Revisit the Role of Allogeneic Transplantation in Lymphoma? Curr Oncol Rep. 2019;21(7):65. Review. PMID: 31183579.
 101. Reid E, Suneja G, **Ambinder RF**, Ard K, Baiocchi R, Barta SK, Carchman E, Cohen A, Crysler OV, Gupta N, Gustafson C, Hall A, Johung KL, Klopp A, LaCasce AS, Lin C, Mehta A, Menon MP, Morgan D, Nathwani N, Noy A, Ratner L, Rizza S, Rudek MA, Sanchez J, Taylor J, Tomlinson B, Wang CJ, Yendamuri S, Dwyer MA; CGC, Freedman-Cass DA. AIDS-Related Kaposi Sarcoma, Version 2.2019, NCCN Clinical Practice Guidelines in Oncology. J Natl Compr Canc Netw. 2019;17(2):171-189. PMID: 30787130.
 102. Reid EG, Suazo A, Lensing SY, Dittmer DP, **Ambinder RF**, Maldarelli F, Gorelick RJ, Aboulafia D, Mitsuyasu R, Dickson MA, Wachsmann W. AIDS Malignancy Consortium (AMC). Pilot Trial AMC-063: Safety and Efficacy of Bortezomib in AIDS-associated Kaposi Sarcoma. Clin Cancer Res. 2020;26(3):558-565. Epub 2019 Oct 17. PMID: 31624104.
 103. Hoppe RT, Advani RH, Ai WZ, **Ambinder RF**, Armand P, Bello CM, Benitez CM, Bierman PJ, Boughan KM, Dabaja B, Gordon LI, Hernandez-Ilizaliturri FJ, Herrera AF, Hochberg EP, Huang J, Johnston PB, Kaminski MS, Kenkre VP, Khan N, Lynch RC, Maddocks K, McConathy J, McKinney M, Metzger M, Morgan D, Mulroney C, Rabinovitch R, Rosenspire KC, Seropian S, Tao R, Winter JN, Yahalom J, Burns JL, Ogbra N. Hodgkin Lymphoma, Version 2.2020, NCCN Clinical Practice Guidelines in Oncology. J Natl Compr Canc Netw. 2020;18(6):755-781. PMID: 32502987.
 104. Hoppe RT, Advani RH, Ai WZ, **Ambinder RF**, Armand P, Bello CM, Benitez CM, Chen W, Dabaja B, Daly ME, Gordon LI, Hansen N, Herrera AF, Hochberg EP, Johnston PB, Kaminski MS, Kelsey CR, Kenkre VP, Khan N, Lynch RC, Maddocks K, McConathy J, Metzger M, Morgan D, Mulroney C, Pullarkat ST, Rabinovitch R, Rosenspire KC, Seropian S, Tao R, Torka P, Winter JN, Yahalom J, Yang JC, Burns JL, Campbell M, Sundar H. NCCN Guidelines® Insights: Hodgkin Lymphoma, Version 2.2022. J Natl Compr Canc Netw. 2022;20(4):322-334. PMID: 35390768.
 105. Kanakry JA, **Ambinder RF**. Human Herpesviruses: Malignant Lymphoma. R.A. Kaslow et al. (eds.), Viral Infections of Humans. 2023;1-36.
 106. Xian RR, **Ambinder RF**. Cell-Free Circulating Tumor DNA and Epstein-Barr Virus

- DNA for Early Diagnosis of Epstein-Barr Virus-Associated Cancers. J Clin Oncol. 2023;41(26):4290-4292. Epub 2023 Jul 21. PMID: 37478392.
107. Rappazzo, KC, Kanakry JA, **Ambinder, RF**. Hematology Basic Principles and Practices, 8th edition. Chapter on Virus-Associated Lymphoma. 2023:1439-1447.
 108. Walsh LF, **Ambinder RF**. Wintrobe's Hematology, 15th edition, volume 2. Infectious Mononucleosis and Other Epstein-Barr Virus-Related Disorders. 2023:1382-1392.
 109. **Ambinder RF**, Xian RR. Sir Michael Anthony Epstein (1921-2024). Science. 2024;384(6693):274. Epub 2024 Apr 18. PMID: 38635698.
 110. Rubinstein PG, Galvez C, **Ambinder RF**. Hematopoietic stem cell transplantation and cellular therapy in persons living with HIV. Curr Opin Infect Dis. 2024 Jun 3. doi: 10.1097/QCO.0000000000001022. Epub ahead of print. PMID: 38820072.

Extramural Funding

Current Grants:

4/1/20-3/31/25 Molecular Markers	Hodgkin Lymphoma in PLWH in South Africa: TB, EBV, and Tumor R01CA250069 NCI \$4,336,949 Role: PI: 17%
9/8/20-8/31/25	AIDS Malignancy Consortium UM1CA121947 NCI \$23,700,979 Role: Johns Hopkins site PI PI: J. Sparano: 9%
3/31/22-3/30/26	BMT CTN Protocol 1903 (AMC-109) Administration of HIV-specific T cells to HIV+ Patients Receiving High Dose Chemotherapy Followed by Autologous Stem Cell Rescue -Auto-RESIST 1903 National Marrow Donor Program \$130,028 Role: PI: 4%
5/1/22-4/30/27	Johns Hopkins Center for AIDS Research (JHU CFAR) 2P30AI094189-11 NIAID \$19,515,902 Role: Administrative Core Co-Leader PI: RE Chaisson: 15%
6/20/22-5/31/27	Regional Oncology Research Center- Sidney Kimmel Comprehensive Cancer Center (SKCCC) at Johns Hopkins 2P30CA006973 NCI \$40,213,299

Role: Program Co-Leader for Hematologic Malignancies
PI: WG Nelson: 5%

9/8/23-9/7/28 Investigating the EBV methylome in PLWH: Discovery and Development of
Novel EBV Diagnostics in Plasma and Saliva
U01CA284811-01
NIH
\$3,369,145
Role: PI: 15%

4/01/24-3/31/29 Enrichment for Tumor-derived Cell-free EBV DNA: Towards a Diagnostic
Assay for Endemic Burkitt Lymphoma
1U01CA271252-01A1
NIH
\$1,720,211
Role: PI: 10%

EDUCATIONAL ACTIVITIES

Johns Hopkins Teaching Experience

1983 Physical Diagnosis (course for medical students), The Johns Hopkins University School of Medicine

1984-present Attending Physician, Bone Marrow Transplant Unit, The Johns Hopkins Hospital

1985 Attending Physician, Leukemia Service, The Johns Hopkins Hospital

1985-present Lecturer, Virology (Course director, Keerti Shah), The Johns Hopkins University School of Hygiene and Public Health

1989-present Organizer Weekly Multidisciplinary Lymphoma Conference, The Johns Hopkins Hospital

1991-present Tutorial leader, Medical Student Pharmacology (Course Directors, Paul Lietman and Thomas August), The Johns Hopkins University School of Medicine

1991-present Case Discussant, Clinico-Pathological Conference (CPC) The Johns Hopkins University Medical School

1992-present Course Director, Antiviral Pharmacology (graduate students), Dept of Pharmacology and Molecular Sciences, The Johns Hopkins University School of Medicine

1995-2010 Lecturer, EBV and KSHV in the Medical Student Microbiology, The Johns Hopkins University School of Medicine

1995-2001 Small Group Leader, Vaccines Section, Medical Student Pharmacology (Organizer, Charles Flexner), The Johns Hopkins University School of Medicine

1995-2001 Lecturer, Herpesvirus Pathogenesis, Advanced Virology Course (Course Director, Marie Hardwick), The Johns Hopkins University School of Hygiene and Public Health.

1998-present Research in Progress Graduate Training Program Seminars in the Department of Pharmacology, The Johns Hopkins University School of Medicine.

2000-present Lecturer, Antiviral Chemotherapy in the Graduate Student Pharmacology Course.

2000-2010 Course Director, Introduction to Clinical Pharmacology for Graduate Students

2002-2010 Lecturer, Monoclonal Antibodies and Gene Therapy in the Medical Student Pharmacology Course

2002 Centennial Celebration of Dorothy Reed's Description of the Reed-Sternberg Cell in Hodgkin's Disease, Symposium Organizer

2004-present Lecturer, Ethics and Clinical Research, Department of Pharmacology
 2008-2010 American Society of Clinical Oncology Education Committee Member
 2008-present Lecturer, Viral Oncology Course (School of Medicine)
 2010-2021 Course Co-director, Lecturer, Small Group Leader, Hematology/Oncology, First Year Medical Student Curriculum.

Mentoring, coaching, and advising

Laboratory Training

1990-1991 Eithne MacMahon, M.D., Postdoctoral fellow. Projects: Characterization of EBV in primary central nervous system lymphomas. Present position: Consultant Virologist, Guy's and St Thomas' Hospital Trust Honorary Senior Lecturer, UMDS Guy's and St Thomas' Medical & Dental Schools.

1990-1992 Tzzy-Chou Wu, M.D., Ph.D., Pathology resident. Project: In situ hybridization to detect EBV in clinical specimens. Present position: Associate Professor, Department of Pathology, The Johns Hopkins University School of Medicine, Baltimore, Maryland.

1992-1993 Judy Ryon, M.D., Postdoctoral fellow. Project: Characterization of EBV lytic infection in clinical specimens. Present position: Research Associate, Department of Neurology, The Johns Hopkins University School of Medicine, Baltimore, Maryland.

1992 Douglas Kingma, M.D., Visiting pathology fellow from the National Cancer Institute. Project: In situ hybridization to detect EBV in Hodgkin's disease. Present position: Staff Hematopathologist, National Cancer Institute, Bethesda, Maryland.

1992-1994 Marcie Weil, M.D. Postdoctoral fellow. Project: EBV and Hodgkin's Disease. Present position: Private practice oncology.

1992-1994 Paul Murray, Ph.D. Visiting graduate student from the University of Wolverhampton. Projects: EBV gene expression in various tumors. Present position: Principal Lecturer in Biomedical Science, School of Health Sciences, University of Wolverhampton, 62-68 Lichfield Street, Wolverhampton, WV1 1SB, United Kingdom.

1993-1996 Keith D. Robertson, Ph.D. Graduate student, Pharmacology and Molecular Sciences, Graduate Program. Dissertation: "Analysis of the Role of DNA Methylation in the Regulation of the Epstein-Barr virus *Bam*HI C Promoter." Present position post-doctoral fellow, University of California at Los Angeles, Los Angeles, California.

1993-1996 M. Victor Lemas, Ph.D. Project: EBV Immune Response. Present position, Research Associate, Department of Oncology, The Johns Hopkins University School of Medicine, Baltimore, Maryland.

1993-1996 Rimas J. Orentas, Ph.D. Postdoctoral fellow. Project: EBV Cytotoxic T Cells. Present position, Assistant Professor, Medical College of Wisconsin, Milwaukee, Wisconsin.

1993-1995 Sen-Tien Tsai, M.D. Postdoctoral fellow. Project: PCR and in situ hybridization for detection of EBV in nasopharyngeal carcinoma. Present position: Associate Professor, Department of Surgery, National Cheng Kung University Medical College, Tainan, Taiwan.

1995-1999 Stacy M. Moore, Graduate student, Pharmacology and Molecular Sciences, Graduate Program, The Johns Hopkins University School of Medicine, Baltimore, Maryland.

1995-1999 Qian Tao, Postdoctoral fellow. Project: EBV Gene Expression in Tumors. Present position: Assistant Professor in Oncology at The Johns Hopkins University School of Medicine, Singapore.

1995-2001 Jie Yang, Graduate student, Pharmacology and Molecular Sciences, Graduate Program, The Johns Hopkins University School of Medicine, Baltimore, Maryland.

1995-2000 Jennifer S. Cannon, Graduate student, Pharmacology and Molecular Sciences, Graduate Program, The Johns Hopkins University School of Medicine, Baltimore, Maryland.

1996-1997 Ian Flinn, M.D. Postdoctoral fellow. Present position: Assistant Professor, The Johns Hopkins Oncology Center, Baltimore, Maryland.

1998-2001	Wen-Son Hsieh, M.D. Clinical postdoctoral fellow, The Johns Hopkins School of Medicine, Baltimore, Maryland.
1999-2001	Meghan Higman, M.D., Ph.D. Postdoctoral fellow. Present position: Assistant Professor, The Johns Hopkins University School of Medicine, Baltimore, Maryland.
1999-2001	Olivia Y. Hwang, Graduate student, Pharmacology and Molecular Sciences, Graduate Program, The Johns Hopkins University School of Medicine, Baltimore, Maryland.
2002-2003	Alvin Wong, M.D. Research postdoctoral fellow. National University of Singapore, Singapore.
1999-2005	Lan Lin, Graduate student, Pharmacology and Molecular Sciences, Graduate Program, The Johns Hopkins University School of Medicine, Baltimore, Maryland.
1999-2004	Yvette Tanhehco, Graduate student, Biochemistry and Molecular Biology, The Johns Hopkins University School of Medicine, Baltimore, Maryland.
2002-2007	Jianmeng Chen, Graduate student, Pharmacology and Molecular Sciences, The Johns Hopkins University, Baltimore, Maryland.
2006-2013	Andrew Dufresne, Graduate student, Pharmacology and Molecular Sciences, The Johns Hopkins University, Baltimore Maryland
2008-2012	Courtney Shirley, Graduate student, BCMB, The Johns Hopkins University, Baltimore Maryland
2012-2012	Courtney Shirley, Postdoctoral fellow, BCMB, The Johns Hopkins University, Baltimore Maryland
2008-2014	Suntra Biswas – Graduate student, BCMB, The Johns Hopkins University, Baltimore Maryland
2009-2014	Nene Kalu – Graduate student, BCMB, The Johns Hopkins University, Baltimore Maryland
2011-2013	Jennifer Kanakry - Postdoctoral fellow, Virally-related lymphomas, The Johns Hopkins University, Baltimore Maryland
2011-2012	Songmei Wang, Postdoctoral, DNA damage and EBV lytic activation. Fudan University, China.
2012- 2017	John Kosowicz, Graduate Student, BCMB, Stony Brook University, Stony Brook, NY
2013-2019	Jaeyeun Lee, Graduate Student,
2014-2015	Genevieve M. Crane (Eve), Resident, Anatomic Pathology, PGY3, The Johns Hopkins Hospital, Baltimore, Maryland.
2015-2018	Samantha Vogt, Clinical Fellow, Medical Oncology, Johns Hopkins Hospital, Baltimore, MD.
2019-2022	Maggie Li, Undergraduate, Johns Hopkins University, Baltimore, MD.
2019-2022	KC Rappazzo, Clinical Fellow, Medical Oncology, Johns Hopkins Hospital, Baltimore, MD.
2020-present	Logan George, Graduate Student, Pathobiology, Johns Hopkins School of Medicine, MD.
2021-2022	Cole Sterling, Clinical Fellow, Medical Oncology, Johns Hopkins Hospital, Baltimore, MD.
2022-present	Sydney Ghoreishi, Graduate student, Biochemistry and Molecular Biology PHD Program, The Johns Hopkins University, Baltimore, MD.

Training Grant Participation

1992-present	Pharmacology and Molecular Sciences Graduate Training Grant (Graduate)
1993-present	Biological Chemistry and Molecular Biology Graduate Training Grant (Graduate)
1994-present	Laboratory Research Training Grant in Pediatric Oncology/Hematology (Postdoctoral)
1997-2017	Graduate Training Program in Cellular and Molecular Medicine (Graduate)
2002-present	Graduate Training Program in Clinical Investigation
2006-present	Graduate Training Program in Pathobiology

CLINICAL ACTIVITIES

Certification

1979 FLEX Exam (6/12/1979)
1979 License to Practice Medicine, State of Maryland (#D23887)
1979 National Board of Medical Examiners
1982 Board Certified in Internal Medicine (September 15, #86149)
1985 Board Certified in Medical Oncology (November 19, #86149)

ORGANIZATIONAL ACTIVITIES

Institutional Administrative Appointments

1992-1995 Oncology Fellowship Admissions Committee
1993-present Graduate Student Steering Committee, Pharmacology and Molecular Sciences
1998-2000 Johns Hopkins Cancer Committee
1998-2002 Appointments & Promotions Committee
2000-present Sidney Kimmel Cancer Center Research Council

National/International Committees:

1993-2001 Co-Chair, Eastern Cooperative Oncology Group (ECOG) AIDS Committee
1994-2000 Co-Chair, NIH/NCI AIDS Malignancy Bank Research Evaluation and Decision Panel
1995-2001 Chair, AIDS Malignancy Consortium Laboratory Committee
1996-2002 Member, AIDS Malignancy Conference Program Committee
1996-2002 Member, National Comprehensive Cancer Network (NCCN) Panel for the Development of Guidelines for the Treatment of Non-Hodgkin's Lymphoma
1998-2018 Eastern Cooperative Oncology Group (ECOG) Lymphoma Core Committee
2002-2004 Vice President, AIDS Malignancy Consortium
2004-2019 Laboratory Committee Chair, AIDS Malignancy Consortium
2012-2018 Editorial Board, Blood
2013- CFAR Leadership Committee, Johns Hopkins Center for AIDS Research
2004-2019 Chair, Translational Research Working Group, AIDS Malignancy Consortium
2019-present Hematologic Malignancies Working Group Chair, AIDS Malignancy Consortium
2016-present JHH Antimicrobial Stewardship Committee Meeting
2017-present Member of the National Cancer Institute (NCI) Board of Scientific Advisors ad hoc Subcommittee on HIV and AIDS Malignancy
2020-present NCI Lymphoma Steering Committee Member
2020-present Chair, Hematologic Malignancies Working Group, AIDS Malignancy Consortium
2018-present National Comprehensive Cancer Center Guidelines Panel for Cancer in People Living with HIV

Professional Societies

American Association for the Advancement of Science
American Society for Clinical Oncology
American Society of Hematology
American Society of Microbiology
Epstein-Barr Virus Society

RECOGNITION

Awards, Honors

1978	John W. Graham Award
1979	Henry Strong Denison Scholarship
1979	Alpha Omega Alpha
1979	Phi Beta Kappa
1985-1990	Physician Scientist Award (NIH K11)
1994-1999	Scholar, Leukemia Society of America
1996	Visiting Professor, Chinese University of Hong Kong
1999	American Society for Clinical Investigation
2000-2001	Director's Basic Sciences Teaching Award, Johns Hopkins Oncology Center
2001	Stohlman Scholar, Leukemia Society of America
2001	James B. Murphy Professorship in Oncology
2002	American Society for Clinical Investigation
2002	Fellow of the American Association for the Advancement of Science
2002-2010	Director, Johns Hopkins Lymphoma SPORE
2008-2009	Director's Basic Sciences Teaching Award, Johns Hopkins Oncology Center
2009	Director's Clinical Sciences Teaching Award, Johns Hopkins Oncology Center
2014-2015	Director's Basic Sciences Teaching Award, Johns Hopkins Oncology Center
2017-2018	Director's Basic Sciences Teaching Award, Johns Hopkins Oncology Center

Invited Talks

1991	Educational Session at the American Society of Hematology, December 6-9, Denver, CO. "AIDS Primary Central Nervous System Lymphoma."
1991	Invited speaker at the Annual Meeting of the Laboratory of Tumor Cell Biology, National Cancer Institute, September 1-8, Bethesda, MD. "EBV and AIDS Primary Central Nervous System Lymphomas."
1991	Tutorial Leader at the Annual Meeting of the Laboratory of Tumor Cell Biology, National Cancer Institute, September 8, Bethesda, MD. "Human Herpesviruses: Pathogenesis, Oncogenic Potential."
1992	Invited speaker at the AIDS Lymphoma Meeting sponsored by the National Cancer Institute, May 11-12, Bethesda, MD. "Epstein-Barr Virus Gene Expression in Lymphoma."
1992	University of Maryland Hematology Conference, October 26, Baltimore, MD. "Epstein-Barr Virus and Hodgkin's Disease."
1992	Invited speaker at the Hemophilia Malignancy Study Group Meeting, November 20, Atlanta, GA. "Epstein-Barr Virus and Malignancy."
1993	Invited speaker at the AID-Related Malignancy Strategies Meeting sponsored by the Cancer Therapy Evaluation Program, National Cancer Institute, January 11, Bethesda, MD. "Treatment of AIDS Central Nervous System Lymphoma."
1993	Invited speaker at the AIDS Lymphoma Coordinating Group Meeting sponsored by the Epidemiology and Biostatistics Program, National Cancer Institute, March 8, Bethesda, MD. "Epstein-Barr Virus and Lymphoma."
1993	Invited speaker of the "AIDS Malignancy Task Force, Meeting sponsored by the National Cancer Institute, Orlando, FL, May 16." "5-Azacytidine for AIDS Lymphomas."
1994	Invited speaker at the Biology of B-Cell Malignancies Biology Meeting, sponsored by the National Cancer Institute, April 19. "New Approaches to EBV Lymphomas."
1994	Invited speaker at the NATO Workshop on The Etiology of Hodgkin's Disease, Glasgow, Scotland, United Kingdom, May 4. "EBV-Associated Hodgkin's Disease."
1994	Invited speaker at the Epstein-Barr Virus and Associated Diseases Meeting at Cold Spring Harbor (Cancer Cells Series), September 11. "New Approaches to the Therapy of EBV-Associated Malignancies."

- 1995 Invited speaker at Topics in Pediatric Hematology/Oncology: Update 1995 in New York, for Tomorrow's Children's Institute, April 26-27. "EBV and Hodgkin's Disease" and "Hodgkin's Disease and Bone Marrow Transplantation."
- 1995 Invited speaker at the New Aspects of the Diagnosis and Treatment of Hodgkin's Disease Meeting, Cologne, Germany, September 21. "New Approaches to EBV-Associated Hodgkin's Disease."
- 1995 Chair of the Biology Session at the New Aspects of the Diagnosis and Treatment of Hodgkin's Disease."
- 1995 Invited speaker at the College of Physicians & Surgeons, Columbia University, Department of Pathology, New York, NY, November 6. "Epstein-Barr Virus and Malignancies."
- 1996 Invited speaker at the Molecular Characterization of Lymphoid Neoplasia Workshop, Bombay, India, February 21-26. "In-Situ Hybridization, Epstein-Barr Virus and Hodgkin's Disease."
- 1996 Invited speaker at the First Hong Kong Cancer Institute Annual Scientific Symposium on EBV Related Tumors, Hong Kong, March 4. "Novel Approaches to Treatment of EBV Tumors."
- 1996 Invited speaker at the Hong Kong University, Hong Kong, March 5. "EBV Tumors."
- 1996 Invited speaker at the Special Symposium on AIDS Related Malignancies, Albert Einstein College of Medicine/Montefiore Medical Center, New York, NY, March 25-27. "Treatment of AIDS-Related Lymphoma."
- 1996 Symposium organizer and invited speaker at the 32nd Annual Meeting American Society of Clinical Oncology, Philadelphia, PA, May 18-21. "Epstein-Barr Virus and Malignancy."
- 1996 Invited speaker at the Annual Meeting of the Institute of Human Virology, Baltimore, MD, September 7-13. "EBV and B Cell Lymphoma."
- 1996 Invited speaker at the University of Virginia, Pathology Department, Charlottesville, VA, October 8. "EBV and Malignancy."
- 1996 Invited speaker at the Prince of Wales Hospital, Chinese University of Hong Kong, November 13. "High Dose Therapy with Bone Marrow Rescue for the Treatment of Lymphoma."
- 1996 Invited speaker at the Prince of Wales Hospital, Chinese University of Hong Kong, November 20. "EBV and Hodgkin's Disease."
- 1996 Invited speaker at The International Association for Research on Epstein-Barr Virus and Associated Diseases, VII International Symposium, Hong Kong, November 13-16. "Methylation and EBV-associated Tumors."
- 1997 Faculty, National Comprehensive Cancer Network (NCCN), 2nd Annual Conference, Practice Guidelines: From Principles to Practice. Ft. Lauderdale, FL. March 3-5. "Guidelines for the Treatment of Non-Hodgkin's Lymphomas."
- 1997 Invited speaker at the First AACR/ASCO Joint Conference, Basic and Clinical Aspects of Lymphoma, Indian Wells (Palm Springs) CA, January 10-14. "EBV and Lymphomagenesis."
- 1997 Invited speaker at the Keystone Symposium on the Genetics of Human Cancer. Keystone, CO, January 27- February 2. "Epstein Barr Virus and Malignancy: Methylation of the EBV Major Latency Promoter."
- 1997 Invited speaker at the Robert H. Lurie Cancer Center of Northwestern University, Chicago, IL, March 17. "Targeting Epstein-Barr Virus in Malignancies."
- 1997 Invited speaker at the 23rd Annual Symposium, Diagnosis and Treatment of Neoplastic Disorders, The Johns Hopkins Oncology Center, Baltimore, MD, April 3 - 4. "AIDS Malignancies."
- 1997 Invited speaker at Hahnemann Allegheny Hospital, Philadelphia, PA, May 7. "EBV and Post-Transplant Lymphoma."
- 1997 Invited speaker at the 10th Annual Meeting of The American Society of Pediatric Hematology/Oncology, (ASPH/O) San Francisco, CA, September 20. "EBV and Hodgkin's Disease."
- 1997 Invited speaker at 2nd Annual Meeting of the Institute of Human Virology, University of Maryland, Baltimore, MD, September 21. "Cellular Immune Responses and EBV."

- 1997 Invited speaker at Advances in Transplantation, School of Nursing Conference, Washington, DC, September 30. "Lymphoproliferative Disease in Transplant Recipients."
- 1997 Invited speaker at the National Lymphoma Awareness Week Conference, Vienna, VA, October 19. "AIDS-Related Lymphoma."
- 1997 Invited speaker at Massachusetts General Hospital Charlestown Laboratories, Boston, MA, December 1. "Targeting Epstein-Barr Virus in Malignancies."
- 1997 Chair of the Hodgkin's disease session, American Society of Hematology, San Diego, CA, December 8.
- 1998 Invited speaker at the 5th Conference on Retroviruses and Opportunistic Infections, Chicago, IL, February 1-5. "Epstein-Barr Virus and Lymphoma in Patients with HIV."
- 1998 Invited speaker at the International Union Against Cancer, UICC Workshop on Nasopharyngeal Cancer-Issues and Challenges, Singapore, February 12. "EBV and NPC."
- 1998 Invited speaker at the Fifteen Years Viral Oncopathology Symposium of HPV and EBV, Amsterdam, Netherlands, March 5. "EBV Pathology."
- 1998 Invited speaker at the 8th Annual Clinical Care of Patient with HIV Infection, Baltimore, MD, March 31. "HIV-Related Malignancies."
- 1998 Invited speaker at the University of Birmingham School of Medicine, Birmingham, United Kingdom, June 4. "Approaches to Targeting EBV in Tumors."
- 1998 Chair of the Pathology and Pathogenesis Session. International Epstein-Barr Virus (EBV) Meeting, Stockholm, Sweden, June 5.
- 1998 Invited speaker at Progress in Hematologic Malignancies and Bone Marrow Transplantation. Baltimore, MD, September 11. "Aspects of Hodgkin's Disease."
- 1998 Invited speaker at Baylor University, Houston, TX, November 18.
- 1999 Invited speaker at The University of Texas, M.D. Anderson Cancer Center, Houston, TX, March 23 - 25.
- 1999 Invited speaker at The Mount Sinai Medical Center Hematology Grand Rounds, New York, NY, June 10. "Targeting EBV in Malignancies."
- 1999 Invited speaker at 21st International Congress of Chemotherapy, Birmingham, UK, July 4 - 7. "EBV Products as Novel Targets."
- 1999 Invited speaker at Leukemia Society of America, Annual Stohlman Scholar Symposium, New York, NY, November 12 - 13. "EBV Kinases: Novel Targets in EBV-Associated Malignancies."
- 2000 Invited speaker at American College of Epidemiology, Atlanta, GA, September 24-26. "Molecular Aspects of EBV and Lymphoma."
- 2000 Invited speaker at Lymphoma Meeting, Crowne Plaza, Manhattan, NY, October 7-8. "Targeting EBV and Lymphoma."
- 2000 Invited speaker at Cerus Science Retreat, Santa Cruz, CA, October 13-15. "EBV and Transplantation."
- 2000 Invited speaker at American Society of Hematology, San Francisco, CA, December 2-5. "Worldwide Impact of Viral Diseases in Hematology."
- 2001 Invited speaker at University Hospitals of Cleveland, Cleveland, OH, March 16. "Targeting EBV in Tumors."
- 2001 Invited speaker at the 11th Annual Clinical Care of the Patient with HIV Infection Course, Baltimore, MD, March 26-27. "HIV Related Cancers."
- 2001 Invited speaker at the Federation of American Societies for Experimental Biology Summer Research Conference, Snowmass, CO, July 29-30. "Mechanisms in AIDS Malignancies."
- 2002 Invited speaker at the 12th Annual Clinical Care of the Patient with HIV Infection Course, Baltimore, MD, April 15-16. "HIV-Related Cancers."
- 2002 Invited speaker at the 15th Annual Meeting of the American Society of Pediatric Hematology/Oncology, Baltimore, MD, May 2-5. "Targeting EBV in Tumors and Lymphoproliferative Disorders."

- 2002 Invited speaker at the 10th International Symposium on Epstein-Barr Virus and Associated Malignant Diseases, Cairns, Australia, July 16-21.
- 2002 Oncology Translational Research Conference, University of Pennsylvania, Philadelphia, PA, October 22, 2002. "EBV and Hodgkin's Disease."
- 2003 Invited speaker at the 4th International UICC Symposium on Nasopharyngeal Carcinoma, Hong Kong SAR, China, February 14-16, 2003.
- 2003 Invited speaker at Grand Rounds at Dana-Farber Cancer Institute, Boston, Massachusetts, May 13, 2003.
- 2003 Invited speaker at the First Annual Conference: Targeted Therapies for the Treatment of Hematological Malignancies, Kona, HI, July 16-20, 2003.
- 2003 Invited speaker at the Post Transplant Lymphoproliferative Disorder Meeting, Bethesda, MD, September 15-16, 2003. "Vaccination Against EBV."
- 2003 Invited speaker at the Feist-Weiller Cancer Center, Shreveport, LA, October 27, 2003. "Epstein-Barr Virus and Hodgkin's Disease."
- 2003 Invited speaker at the Grand Rounds for the Division of Hematology/Oncology at the Robert H. Lurie Comprehensive Cancer Center of Northwestern University, Chicago, IL, December 12, 2003. "Epstein-Barr Virus and Hodgkin's Disease."
- 2003 Session Chair at American Society of Hematology, San Francisco, CA, December 6th-9th 2003.
- 2004 Invited speaker at the Dermatology Grand Rounds Lecture, Johns Hopkins University, School of Medicine, February 18, 2004. "Kaposi's Sarcoma"
- 2004 Invited Speaker at the AMC Steering Committee Meeting and International Conference on AIDS Malignancies in AIDS and Other Immunodeficiencies, Bethesda, MD April 28th -30th 2004. "Viral Load Assays"
- 2004 Invited Session Chair at the 29th Annual International Herpesvirus Workshop, Reno, NV July 25th-31st 2004.
- 2004 Visiting Professor Yonsei Medical School, Seoul Korea, October 19th -23rd 2004. "Epstein-Barr Virus and Tumors."
- 2004 Invited Speaker at The INTERLYMPH Immunology Subgroup Meeting, Los Angeles, CA, December 3rd 2004. "EBV and Inflammation"
- 2004 Invited Speaker American Society of Hematology Educational Session San Diego, CA, December 4-7th 2004. "Epstein - Barr virus and Hodgkin's Disease: Issues of Causation, Pathogenesis, Prognosis, and Treatment."
- 2005 Invited Speaker at Lymphoma the next questions: Ft. Lauderdale, FL April 7-8 "Allogeneic Transplant for Hodgkin's disease."
- 2005 Invited Speaker at The Rockefeller University, New York, NY, April 6, 2005. "Loaded Questions Regarding Gammaherpesviruses and Tumors."
- 2005 Discussant at ASCO, Orlando, FL May 13-17, 2005. "Hodgkin's Disease Reflections"
- 2006 Invited Speaker at the Tropical Medicine Dinner Club of Baltimore, MD, February 1, 2006 "Gammaherpesvirus Associated Tumors"
- 2009 Invited Speaker at New Directions in Pediatric, Adolescent and Young Adult Lymphoma, July 30-31, 2009, Baylor University, Houston, TX, "Targeted Radiation Therapy for Viral Malignancies"
- 2010 Invited Speaker at the Third Annual Review of the ASH Annual Meeting: Nashville, TN, January 19, 2010 "Updates in the Treatment and Management of Hematologic Malignancies".
- 2010 Invited Speaker at the 14th Biennial Symposium of the Lymphoma International Association for Research on Epstein - Barr virus and Associated Diseases. University of Birmingham, United Kingdom, September 3, 2010, "EBV-Targeted Radiation Therapy."
- 2010 Invited Speaker at 8th International Symposium on Hodgkin Lymphoma, Koln, Germany, October 24, 2010. "The Hodgkin Lymphoma Stem Cell"
- 2010 Invited Speaker at the American College of Veterinary Pathologists, Baltimore, MD, November 2, 2010. "Mechanisms of Herpes Virus-induced Carcinogenesis"

- 2011 Invited Speaker at The Molecular Imaging Seminar, Baltimore, MD September 13, 2011. "Imaging Lytic Induction of Gamma Herpes Viruses in Lymphoma Patients"
- 2011 Invited Speaker at Fourth AACR Conference on The Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved, Washington, D.C. September 19, 2011. "EBV as a cause of Hodgkin's Disease, Nasopharyngeal Cancer, Gastric Cancer, and Non-Hodgkin's Lymphomas; New Approaches to EBV Cancer Treatment"
- 2012 Invited Speaker at BMT Tandem "Scientific" Meeting, San Diego, CA, February 4, 2012. "HCT in HIV-1 Infected Patients".
- 2012 Invited Speaker at AACR Annual Meeting in Chicago, IL, April 3, 2012. Session chair and speaker. "HIV Malignancies: Current Dilemmas and Future Directions".
- 2012 Invited Speaker at JHU/Brazil HIV/Aids conference in Rio de Janeiro, Brazil, April 13, 2012. "Bone Marrow Transplantation and HIV Infection".
- 2012 Invited Speaker at Pediatric Lymphoma Symposium in Houston, TX, April 27, 2012. "EBV Associated Lymphoma: Aspects of Diagnosing, Prognosis and Treatment".
- 2012 Invited Speaker at 9th International CGO Lymphoma Symposium, Chicago, IL, April 28, 2012. "EBV Lymphoma and Viral Load Monitoring".
- 2012 Invited Speaker at the Department of Molecular Genetics and Microbiology at Stony Brook University in Stony Brook, NY, May 14, 2012. "Targeting EBV: New Approaches and New Agents".
- 2012 Invited Speaker at the 2012 ASCO Annual Meeting, Chicago, IL, June 2, 2012. Session chair and speaker. "EBV And KSHV In The Epidemiology And Pathogenesis Of Human Tumors"
- 2013 Invited speaker at Hematology/Oncology Grand Rounds at University of Maryland, College Park, MD, February, 8 2013. "Epstein – Barr Virus and Cancer"
- 2013 Invited speaker to Johns Hopkins 23rd Annual Conference on Clinical Care of HIV Infection, Baltimore, MD, March 18, 2013.
- 2014 Invited speaker to Celgene Corporation, San Francisco, CA, July 30, 2014 "Rael (EBV-positive Burkitt's lymphoma cell line".
- 2014 Invited speaker at Carnegie Institution, Johns Hopkins Homewood Campus, Baltimore, MD., September 6, 2014 "Epstein-Barr Virus and Multiple Myeloma"
- 2014 Invited speaker at The 2nd Annual Robert J. Cotter Hopkins Pharmacology Retreat, Mt Washington Conference Center, Baltimore, MD, September 20, 2014.
- 2014 Invited speaker to Festschrift Honoring Rein Saral, MD, Emory Conference Center Hotel, Atlanta, GA, November 15, 2014 "Allogeneic Bone Marrow Transplantation for Patients with HIV"
- 2015 Invited speaker to the Johns Hopkins Oncology Translational Research Conference, Baltimore, MD, January 7, 2015 "Epstein Barr Virus and Malignancy"
- 2015 Invited speaker to Delhi, India, March 23, 2015 "EBV, HIV and Tumors"
- 2015 Invited speaker to Seattle, WA on August 13, 2015 to speak at the 2nd Annual Conference on Cell and Gene Therapy for HIV Cure "Allogeneic Transplantation for Patients with HIV"
- 2015 Invited speaker to the BMT CTN 2015 Steering Committee in Westin Crystal City, Arlington, VA. on October 23, 2015, "Identification of HIV-Resistant Donors Project"
- 2015 Invited speaker to the 15th International Conference on Malignancies in AIDS and other Acquired Immunodeficiencies in Bethesda, MD on October 26, 2015, "Non-Myeloablative Haploidentical Allogeneic Bone Marrow Transplantation in HIV-Infected Individuals".
- 2016 Invited Speaker to Hong Kong on May 14, 2016
- 2016 Invited speaker to the The Medical Council of DKMS in Valencia Spain on April 3, 2016 "Advanced
Unrelated Donor Selection Based on Polymorphism in Selected Genes.
- 2018 Invited speaker Sjogren's Syndrome Foundation in Aurora Colorado on April 13, 2018 "Lymphoma: Risk, Treatment and Prognosis"

- 2018 Invited speaker CFAR Cure Symposium, Panel Discussion: “HV Cure; A Reality Check”, October 15, 2018.
- 2018 Invited speaker AMC Investigators Fall Meeting in Reston, VA., October 24, 2018.
- 2019 Invited speaker Hillman Cancer Center Viral Oncology Mini-Symposium at the University of Pittsburgh Medical Center, April 15, 2019.
- 2019 Invited speaker Clinical Virology Symposium, Savannah, GA, “Circulating EBV and KSHV DNA for diagnosis and monitoring” May 7, 2019.
- 2019 Invited speaker for IVS presentation at Johns Hopkins Pathology Molecular Diagnostics, Baltimore, MD, October 4, 2019.
- 2019 Grand Rounds, Johns Hopkins University, School of Medicine, Baltimore, MD, October 11, 2019.
- 2019 Invited speaker to the 17th International Conference on Malignancies in HIV/AIDS (ICMH) in Bethesda, MD, October 22, 2019.
- 2020 Invited speaker for the first year medical students, Johns Hopkins University, School of Medicine, Infectious Disease, Baltimore, MD, February 11, 2020.
- 2020 Invited speaker for the resident didactics: Hodgkin Lymphoma, Johns Hopkins University, School of Medicine, Baltimore, MD, 5/1/2020.
- 2020 Invited speaker for the Kaposi Sarcoma meeting, virtual. May 7, 2021.
- 2020 Invited speaker for the Data and Safety Monitoring Board, virtual, June 19, 2020.
- 2020 Invited speaker for the graduate pharmacology students, Johns Hopkins SOM, Pharmacology, Baltimore, MD, September 30, 2020. “Gene Therapy/Antibody Drugs”.
- 2021 Invited speaker for the graduate pharmacology students, Johns Hopkins SOM, Pharmacology, Baltimore, MD, March 3, 2021. “Antivirals”.
- 2021 Invited speaker for ARFD virtual meeting, April 29, 2021.
- 2021 Invited speaker for Simmons Comprehensive Cancer Center Distinguished Lecture Series virtually, UT Southwestern, May 7, 2021. “New directions for lymphoma in HIV patients: Plasma DNA for diagnosis; allogeneic transplant for cure”.
- 2021 Invited speaker to fellows, Johns Hopkins University, SOM, Baltimore, MD. July 16, 2021. “Hodgkin Lymphoma”.
- 2022 Invited speaker for 18th International conference on Malignancies in HIV/AIDS (ICMH), Bethesda, MD., October 24, 2022.
- 2023 Invited speaker for EBV-associated Lymphoma Consortium, Bethesda, MD., 10/16/23.
- 2024 Invited speaker for graduate pharmacology students, Johns Hopkins SOM, Pharmacology, Baltimore, MD., March 14, 2024. “Antivirals”
- 2024 Invited speaker for Department of Molecular Microbiology and Immunology at the Johns Hopkins Bloomberg School of Public Health, Baltimore, MD., September 12, 2024. “Epstein-Barr virus: Facilitating early diagnosis of EBV-associated malignancies”.

Richard F. Ambinder, M.D., Ph.D., Prior Testimony, Depositions 2021-2025

2021--Arbitration - Marvin Smith, Individually and as Administrator of the Estate of Tanya Smith, Deceased v. John Wright, MD, et al., Deposition and Arbitration Testimony

2022—Marvin Smith, Individually and as Administrator of the Estate of Tanya Smith, Deceased v. Annie Kannarkatt, MD, Court Testimony, York County, PA Case number 2018-SU-002317