

CURRICULUM VITAE: Satish Gopal MD MPH

Personal information

Satish Gopal, MD, MPH
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Education

Fellowship	Medical Oncology University of North Carolina at Chapel Hill Chapel Hill, North Carolina	7/2010-6/2012
	Infectious Diseases University of North Carolina at Chapel Hill Chapel Hill, North Carolina	7/2009-6/2011
Chief Residency	Internal Medicine and Pediatrics University of Michigan Ann Arbor, Michigan	7/2004-6/2005
Residency	Internal Medicine and Pediatrics University of Michigan Ann Arbor, Michigan	7/2002-6/2005
Internship	Internal Medicine and Pediatrics University of Michigan Ann Arbor, Michigan	7/2001-6/2002
Doctoral	University of North Carolina at Chapel Hill School of Public Health Chapel Hill, North Carolina MPH	8/1999-5/2000
	Duke University School of Medicine Durham, North Carolina MD	8/1997-5/2001
Undergraduate	University of North Carolina at Chapel Hill BA (Music, Biology)	8/1993-5/1997

Professional experience — employment history

Director, Center for Global Health U.S. National Cancer Institute Rockville, Maryland	2/2020-present
Associate Professor of Medicine Department of Medicine University of North Carolina at Chapel Hill Chapel Hill, North Carolina	6/2017-2/2020

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Adjunct Associate Professor Department of Epidemiology University of North Carolina at Chapel Hill Chapel Hill, North Carolina	6/2017-2/2020
Assistant Professor of Medicine Department of Medicine School of Medicine University of North Carolina at Chapel Hill Chapel Hill, North Carolina	2/2013-5/2017
Adjunct Assistant Professor Department of Epidemiology Gillings School of Public Health University of North Carolina at Chapel Hill Chapel Hill, North Carolina	3/2016-5/2017
Honorary Senior Lecturer University of Malawi College of Medicine Blantyre, Malawi	1/2013-2/2020
Pediatric AIDS Corps Baylor International Pediatric AIDS Initiative Moshi, Tanzania	7/2007-5/2009
Hospitalist Clinician-Educator Internal Medicine Residency Program (Yale affiliate) Norwalk Hospital Norwalk, Connecticut	7/2005-5/2007

Honors

NCI AIDS Malignancy Consortium Associate Chair for African International Sites	2019-2020
University of North Carolina Sponsored Programs and Research Council Keynote Speaker	2019
American Medical Student Association Invited Speaker	2018
Association of American Cancer Institutes Annual Meeting Global Oncology Panelist	2018
Fogarty International Center 50 th Anniversary Scientific Symposium Panelist	2018
NCI Advisory Board <i>Ad Hoc</i> Global Health Working Group Co-Chair	2018
Winter Commencement Speaker, University of North Carolina at Chapel Hill	2017
MacArthur Foundation 100&Change Top 200 Applicant	2017
North Carolina Cancer Hospital Endowment Fund Award	2013
AIDS Malignancy Consortium Fellowship Program Award (inaugural year)	2013
Fogarty International Research Scientist Development Award	2012
UNC Lineberger Clinical Fellows Award	2012
Fogarty Global Health Fellows Award	2012
Bristol Myers-Squibb Virology Fellows Research Training Program Award	2011
Chief Resident, University of Michigan Internal Medicine-Pediatrics	2004-2005
Hippocratic Oath Ceremony Student Speaker, Duke University School of Medicine	2001
Intern of the Month, University of Michigan Department of Internal Medicine	2001
Davie Scholar, University of North Carolina at Chapel Hill	1993-1997

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Refereed papers (published or in press)

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2. Kimani SM, Painschab MS, Horner M-J, Muchengeti M, Fedoriw Y, Shiels MS, **Gopal S**. Epidemiology of hematologic malignancies in persons living with HIV. *Lancet HIV*. 2020. (In press.)
3. Youngblood VM, Nyirenda R, Nyasosela R, Zuze T, Yang Y, Kudowa E, Moses A, Kincaid J, Kajombo C, Kampani C, Chimzimu F, Mulenga M, Chilima C, Ellis GK, Seguin R, Chagomerana M, Maine R, Jordan S, Charles A, Lee C, **Gopal S**, Tomoka T. A prospective study of breast cancer at a national teaching hospital in Malawi. *Cancer Causes Control*. 2019. (In press.)
4. Montgomery ND, Randall C, Painschab M, Seguin R, Kaimila B, Kasonkanji E, Zuze T, Krysiak R, Sanders MK, Elliott A, Miller MB, Kampani C, Chimzimu F, Mulenga M, Damania B, Tomoka T, Fedoriw Y, Dittmer DP, **Gopal S**. High pretreatment plasma Epstein-Barr Virus (EBV) DNA level is a poor prognostic marker in HIV-associated, EBV-negative Diffuse Large B-cell Lymphoma in Malawi. *Cancer Med*. 2019 Nov 29. doi: 10.1002/cam4.2710. PMID: 31782984.
5. Zuze T, Ellis GK, Kasonkanji E, Kaimila B, Nyasosela R, Nyirenda R, Tomoka T, Mulenga M, Chikasema M, Tewete B, Mtangwanika A, Chiyoyola S, Chimzimu F, Kampani C, Mhango W, Nicholas S, Randall C, Montgomery N, Fedoriw Y, Westmoreland K, Painschab M, **Gopal S**. Modified EPOCH for high-risk non-Hodgkin lymphoma in sub-Saharan Africa. *Cancer Med*. 2019. doi: 10.1002/cam4.2631. PMID: 31705618.
6. Hill J, Seguin R, Phanga T, Manda A, Chikasema M, **Gopal S**, Smith JS. Facilitators and Barriers to Traditional Medicine Use Among Cancer Patients in Malawi. *PLoS One*. 2019 Oct 21;14(10):e0223853. PMID: 31634355.
7. Mvalo T, Topazian HM, Kamthunzi P, Chen JS, Kambalame I, Mafunga P, Mumba N, Chiume M, Paseli K, Tegha G, Kumwenda W, Heimlich JB, Ellis G, Key N, **Gopal S**, Hoffman I, Ataga KI, Westmoreland KD. Real-world experience using hydroxyurea in children with sickle cell disease in Lilongwe, Malawi. *Pediatr Blood Cancer*. 2019 Nov;66(11):e27954. doi: 10.1002/pbc.27954. PMID: 31397075.
8. van Oosterhout JJ, Hosseinipour M, Muula AS, Amberbir A, Wroe E, Berman J, Maliwichi-Nyirenda C, Mwapasa V, Crampin A, Makwero M, Singogo E, **Gopal S**, Baker U, Phiri S, Gordon SB, Tobe S, Chiwanda J, Masiye J, Parks J, Mitambo C, Gondwe A, Dullie L, Newsome B, Nyirenda M. The Malawi NCD BRITE Consortium: Building Research Capacity, Implementation, and Translation Expertise for Noncommunicable Diseases. *Glob Heart*. 2019 Jun;14(2):149-154. PMID: 31324369.
9. Painschab MS, Kohler RE, Kasonkanji E, Zuze T, Kaimila B, Nyasosela R, Nyirenda R, Krysiak R, **Gopal S**. Microcosting analysis of diffuse large B-cell lymphoma treatment in Malawi. *J Glob Oncol*. 2019 Jul;5(5):1-10. PMID: 31322992.
10. **Gopal S**, Loehrer PJ Sr. *Global Oncology*. *JAMA*. 2019 Jun 27. doi: 10.1001/jama.2019.7081. [Epub ahead of print]. PMID: 31246238.
11. Mulenga M, Montgomery ND, Chagomerana M, Mzumala T, Tomoka T, Kampani C, Fedoriw Y, **Gopal S**, Sviland L. Epidemiological and histopathological profile of malignant melanoma in Malawi. *BMC Clin Pathol*. 2019 Apr 2;19:5. PMID: 30976195. PMCID: PMC6444452.
12. Tomoka T, Painschab MS, Montgomery ND, Seguin R, Mulenga M, Kaimila B, Kasonkanji E, Zuze T, Nyasosela R, Nyirenda R, Chikasema M, Tewete B, Mtangwanika A, Chiyoyola S, Chimzimu F, Kampani

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Teaching activities

Lectures to students

HIV-associated malignancies; University of Malawi College of Medicine; Lilongwe, Malawi; recurring lecture every three months during internal medicine rotation, November 2012 to July 2019.

Oncologic emergencies; University of Malawi College of Medicine; Lilongwe, Malawi; recurring lecture every three months during internal medicine rotation, November 2012 to July 2019.

Antineoplastic therapy; University of Malawi College of Medicine; Lilongwe, Malawi; recurring lecture every three months during internal medicine rotation, November 2012 to July 2019.

Palliative care; University of Malawi College of Medicine; Lilongwe, Malawi; recurring lecture every three months during internal medicine rotation, November 2012 to July 2019.

Lectures at NIH

How Fogarty catalyzed a cancer care & research revolution in Malawi in 8 years; Fogarty International Center 50th Anniversary Scientific Symposium; Bethesda, Maryland; May 2018.

Perspectives from Malawi; NCI Global Cancer Research Symposium; Rockville, Maryland; February 2018.

Treating common lymphoproliferative disorders in sub-Saharan Africa; NCI Sub-Saharan African Collaborative HIV & Cancer Symposium; Eldoret, Kenya; March 2017.

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Malawi Regional Center of Research Excellence Overview; NCI Center for Global Health P20 Regional Center of Research Excellence Launch Meeting; National Cancer Institute; Bethesda, Maryland, February 2017.

Malawi Cancer Consortium Progress Update; NCI Sub-Saharan African Collaborative HIV & Cancer Symposium; Kampala, Uganda; January 2016.

Developing an academic global health career; Fogarty International Center Global Health Fellows Program Orientation; Bethesda MD; July 2014.

Early experience after developing a pathology laboratory in Malawi; Fogarty International Center Global Health Fellows Program Orientation; Bethesda MD; July 2014.

Other Lectures

Patient-centered progress toward lymphoma cures in Malawi; Institute for Global Health and Infectious Disease Friday Conference; Chapel Hill, North Carolina; November 2019.

Malawi research overview; Hematology-Oncology Divisional Conference; Chapel Hill, North Carolina; September 2019.

Why cancer in Malawi matters to UNC and the world; Institute for Global Health and Infectious Diseases 10th Anniversary Symposium; Chapel Hill, North Carolina, April 2019.

Advance HIV Care Conferences: HIV-associated malignancies; UNC Infectious Disease Fellowship Program; Chapel Hill, North Carolina, February 2019.

Why cancer research in Malawi is important for Malawi, UNC, and the world; Office of Sponsored Research; Chapel Hill, North Carolina, July 2018.

Cancer in Malawi: opportunities for global medicosurgical collaboration; Department of Surgery Grand Rounds; Chapel Hill, North Carolina, June 2016.

Cancer in Malawi and what UNC is doing about it; Institute for Global Health and Infectious Diseases Friday Conference; Chapel Hill, North Carolina, April 2016.

A newly arrived oncologist in Malawi; Global Oncology Symposium; Lineberger Comprehensive Cancer Center; Chapel Hill NC; December 2013.

HIV-associated lymphoma in the US & cancer in sub-Saharan Africa; Institute for Global Health and Infectious Disease Friday Conference; Chapel Hill NC; June 2012.

HIV-associated lymphoproliferative disorders in Africa; African Organization for Research and Training in Cancer; Maputo, Mozambique; November 2019.

Burkitt lymphoma in adolescents and young adults in Africa; African Organization for Research and Training in Cancer; Maputo, Mozambique; November 2019.

Career development in global oncology; International Cancer Expert Corps Young Investigators' Conference; Washington DC; February 2019.

Global oncology; American Medical Students Association; November 2018.

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Cancer is a global issue: partnerships with the developing world; Association of American Cancer Institutes Annual Meeting; Chicago, Illinois; September 2018.

HIV-associated malignancies in sub-Saharan Africa; Conference on Retroviruses and Opportunistic Infections; Boston, Massachusetts; March 2018.

Rethinking lymphoma clinical trials for Africa; African Organization for Research and Training in Cancer; Kigali, Rwanda; October 2017.

HIV & lymphoma in sub-Saharan Africa; African Organization for Research and Training in Cancer; Marrakesh, Morocco; November 2015.

HIV-associated malignancies in the current era; European Congress on Tropical Medicine and International Health; Basel, Switzerland; September 2015.

HIV-associated lymphoma treatment in Africa; AIDS Malignancy Consortium sub-Saharan Africa meeting; Cape Town, South Africa; July 2015.

Cancer in Malawi and opportunities for collaboration; Uganda Cancer Institute; Kampala, Uganda; February 2015.

Breast cancer in Malawi; Novartis Breast Cancer Advisory Group of Southern Africa Meeting; Cape Town, South Africa; August 2014.

Applying lessons from the US to advance lymphoma care and research in Malawi; Fred Hutchinson Cancer Center; Seattle WA; June 2014.

HIV-associated lymphoma in CNICS; Centers for AIDS Research Network of Integrated Clinical Systems Investigators Meeting; Boston MA; March 2014.

HIV and cancer in Malawi; Kilimanjaro Christian Medical Center; Moshi, Tanzania; May 2013.

Lab or Research Teaching/Mentorships

Research mentor, Fogarty Global Health Fellows Program, Fulbright-Fogarty Fellowships in Public Health, Malawi Cancer Consortium Mentoring Core

- Jenny Morgan MD, UNC hematology-oncology fellow, 2019-present (breast cancer)
- Steve Kimani MBBS, UNC hematology-oncology fellow, 2018-present (cancer survivorship)
- Tamiwe Tomoka MBBS MMed, UNC Department of Pathology adjunct faculty, 2015-present (lymphoma, breast cancer)
- Nate Montgomery MD PhD, UNC Departments of Pathology and Genetics faculty, 2014-present (lymphoma)
- Takondwa Zuze MBBS, UNC Project-Malawi medical officer, 2016-present (lymphoma, breast cancer)
- Matt Painschab MD, UNC Division of Hematology-Oncology faculty, 2016-present (lymphoma, health outcomes, cost-effectiveness)
- Bongani Kaimila MBBS MS, UNC Project-Malawi medical officer, 2015-present (lymphoma, esophageal squamous cell carcinoma)
- Lameck Chinula, MBBS MMed, UNC Global Women's Health faculty, 2015-present (cervical cancer)
- Kate Westmoreland MD, UNC Division of Pediatric Hematology-Oncology faculty, 2015-present (pediatric lymphoma)
- Victoria Youngblood PhD, Duke University nurse practitioner student and cancer biologist, 2018-2019 (breast cancer)
- Cara Randall MD, UNC hematopathology fellow, 2018-2019 (hematologic malignancies)

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- Jacob Hill ND MS, UNC epidemiology post-doctoral fellow, 2017-2019 (traditional, complementary, and alternative medicine)
- Agnes Moses MBBS MMed, UNC Project-Malawi medical consultant, 2015-2017 (breast cancer, Kaposi sarcoma)
- Graham Ellis, Howard University MS IV, 2015-2016 (sickle cell disease)
- Kurt Host, UNC MD PhD candidate, 2016 (Kaposi sarcoma)
- Steady Chasimpha MS, Malawi National Cancer Registry registrar, 2014-2018 (cancer epidemiology)
- Christopher Stanley MS, UNC Project-Malawi biostatistician, 2014-2016 (pediatric lymphoma)
- Brett Heimlich PhD, Medical College of Georgia, 2014-2015 (sickle cell disease)
- Lily Gutnik MD MPH, Montefiore Medical Center surgery resident, 2014-2015 (breast cancer screening)
- Michelle Eckerle MD MPH, University of Cincinnati Department of Pediatrics faculty, 2014-2015 (pediatric acute respiratory illness)
- Claire Kendig Faggons, UNC MSIV, 2012-2013 (HPV, head and neck cancer)

Student Preceptorships

Site Supervisor, UNC Department of Medicine Lilongwe Clinical Elective, 2013-2020
Site Supervisor, UNC IGHID summer medical student internship program, 2017-2020

Attending on Clinical Service

Inpatient Hematology-Oncology Service Teaching Attending, 2013-2020

Graduate Supervision, Committees

Marie-Josophe Horner, PhD UNC SPH Epidemiology, 2018; *An HIV-cancer record linkage study using the Malawi National Cancer Registry*

R. Kelly Kohler, PhD UNC SPH Health Policy & Management, 2015; *Enhancing breast cancer prevention services in Malawi: Understanding knowledge and preferences*

Grants (active)

NIH/NCI U54CA190152 Gopal, Phiri, Damania (MPI) 9/15/2014-8/31/2020
Addressing herpesvirus-associated cancers through the Malawi Cancer Consortium

This award is to develop the Malawi Cancer Consortium, comprised of the University of North Carolina at Chapel Hill, Lighthouse Trust, Malawi Ministry of Health, and University of Malawi College of Medicine. Our consortium includes three support cores (Administrative/Coordinating, Mentoring/Career Development, Applied Analytics) and three research projects. The three research projects are (1) a record linkage study between the Malawi National Cancer Registry and large HIV cohorts in Lilongwe and Blantyre to clarify changing patterns of cancer risk in the ART era; (2) a cohort study to elucidate HIV-associated Kaposi sarcoma subsets in Lilongwe to improve outcomes; and (3) a cohort study to develop risk-adapted, response-guided treatment of HIV-associated lymphoma in Lilongwe. A principal focus is to develop sufficient internal capacity such that Malawi can become a leading country for HIV-associated cancer research.

Role: Contact PI

NIH/NCI P20CA210285 Gopal, Mipando, Mkandawire, Dittmer (MPI) 9/1/2016-8/31/2020
Planning for a national non-communicable disease center of research excellence in Malawi

This award is for a two-year planning period to develop a Malawi Center of Research Excellence for non-communicable diseases (NCDs), focused on cancer, injury, and cardiovascular disease. The planning grant will engage every major group in Malawi with significant NCD programs, to develop a truly national agenda. The center will include administrative, developmental, clinical, laboratory, biostatistics, and implementation cores. Sustainability of the center and its impact will be ensured by strong scientific ownership from collaborating Malawian partners, including participation by the highest levels of Malawi College of Medicine

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and Ministry of Health leadership. Active linkages to international institutions and networks outside Malawi will allow the center to leverage external relationships to achieve regional scientific importance.

Role: Contact PI

NIH/NCI UM1CA121947

Mitsuyasu (PI)

3/1/2006-8/31/2020

AIDS Malignancy Consortium

The AIDS Malignancy Consortium (AMC) was established in 1995 and has conducted 96 clinical trials, surveys, and laboratory studies involving 3484 patients with HIV-associated cancers and published on a wide variety of topics in AIDS malignancies. The AMC is also conducting clinical trials in HIV-associated cancers in sub-Saharan Africa where the epidemic of HIV and cancer has grown substantially. The participation of many key clinical and laboratory researchers in AIDS malignancies has made the AMC the principal clinical trials group dedicated to improving treatment and prevention of cancers among HIV-infected individuals worldwide.

Role: Associate Chair for African International Sites

NIH/FIC K01TW011191

Westmoreland (PI)

6/1/2019-5/30/2024

Understanding methotrexate dosing, pharmacokinetics, and toxicities for Burkitt lymphoma in Malawi

This application is for a K01 International Research Scientist Development Award for Dr. Westmoreland, a pediatric hematologist-oncologist at the University of North Carolina (UNC). Dr. Westmoreland will conduct mentored research that will implement a methotrexate dose escalation phase 1 clinical trial to determine the maximum tolerated dose for this key medicine in BL treatment protocols for SSA (Aim 1) and develop a population pharmacokinetic model for methotrexate to optimize dosing (Aim 2). The proposed research and career development plans outlined in this proposal will accelerate Dr. Westmoreland's global pediatric oncology research career, and form the basis for a future R01 application to lead a multicenter clinical trial to optimize BL treatment across SSA.

Role: Primary Faculty Mentor

NIH/FIC K01TW011470

Painschab (PI)

9/16/2019-6/30/2024

Safety, efficacy, and cost-effectiveness of rituximab for HIV-associated multicentric Castleman disease in Malawi

This is a K01 International Research Scientist Development Award for Dr. Painschab. He proposes to test the safety and efficacy of rituximab-based treatment for MCD (AIM 1) in a single arm, phase II study in Malawi. He will also conduct a comprehensive microcosting study of treatment of MCD in Malawi and use outcomes from AIM 1 to establish a Markov model (AIM 2) that we will use to analyze the cost-effectiveness of rituximab-based therapy. This research will establish a unique prospective cohort of MCD patients and samples that can be leveraged for future independent research awards to better understand this emerging HIV-associated comorbidity and improve patient outcomes in both SSA and high-income countries.

Role: Primary Faculty Mentor

NIH/NCI R21CA236770

Chinula (PI)

9/19/2019-8/31/2021

A Novel Cervical Cancer Screen-and-Treat Demonstration Project with HPV Self-testing and Thermocoagulation for HIV-infected women in Malawi

This proposal is to evaluate the following novel invasive cervical cancer (ICC) screen-and-treat algorithm among women living with HIV (WLHIV) in Lilongwe, Malawi: self-collected vaginal specimen for primary high risk (hr)-HPV testing, with same-day visual inspection with acetic acid (VIA) and thermocoagulation for VIA positive, ablation-eligible women. This innovative strategy links new technologies (Xpert HPV, thermocoagulation) with self-collected swabs and has not been rigorously evaluated among WLHIV at highest risk for ICC.

Role: Co-investigator

USAID

Tang, Chinula (MPI)

3/1/2019-2/28/2021

Accelerating the introduction of a human papillomavirus screen-and-treat strategy in the Republic of Malawi

This proposal is to evaluate the feasibility and cost-effectiveness of integrating a human papillomavirus (HPV)-based cervical cancer screening and treatment approach with voluntary family planning programs in the

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bacterial infections during neutropenic fever in cancer treatment in Malawi we will develop better prophylaxis and treatment plans for cancer populations across SSA.

Role: Primary Faculty Mentor

UNC CFAR Developmental Award Montgomery (PI) 8/1/2018-7/31/2019

Genomic Characterization of HIV-associated multicentric Castleman disease in Malawi

We propose to characterize cases of MCD in our cohort using modern genomic tools. First, we will apply a whole transcriptome RNASeq-based approach to define gene expression profiles that distinguish MCD from benign, reactive lymph nodes and that define transcriptional subsets of MCD associated with outcome. Next, we will perform targeted next generation sequencing of immunoglobulin genes in order to define the B-cell/plasma cell repertoire present in HIV-associated MCD. The innovative work funded by this award will provide fundamental insights into the biology of HHV8-driven lymphoproliferative disorders arising in the setting of HIV infection. In addition, this work will establish a platform to support an independent research program utilizing next generation sequencing tools to characterize HIV-associated lymphoproliferative disorders.

Role: Primary Faculty Mentor

NIH/NCI P30CA016086-40S4 Earp (PI) 3/24/2016-11/30/2018

Malawi Burkitt lymphoma project supplement

This supplement award to the Lineberger Comprehensive Cancer Center core grant is specifically for Burkitt lymphoma studies in Malawi. The included studies will focus on deriving and validating a diagnostic score to improve Burkitt lymphoma diagnosis, conducting a systematic methotrexate dose-escalation study, and increasing collaborations with partners in Kenya and Uganda during the supplement award period to establish a regional network for addressing this common pediatric cancer.

Role: Supplement award PI

NIH/NCI R21CA180815 Gopal (PI) 8/20/2013-7/31/2017

Molecular profiling of HIV-associated lymphoma in the US and Malawi

The aims of this research are to perform the first large-scale molecular characterization of HIV-associated lymphoma, using RNA sequencing approach applied to lymph node specimens from the United States and Malawi. Patient specimens will be taken from two ongoing lymphoma cohort studies in the multicenter CNICS network in the US and in Malawi, for which I serve as PI, allowing correlation of all genomic analyses with robust clinical data.

Role: Contact PI

NIH/FIC K01TW009488 Gopal (PI) 9/20/2012-6/30/2017

Developing a prospective clinical cohort of histopathologically characterized lymphoma patients in Malawi

This is an International Research Scientist Development Award to support my career development in the areas of HIV-associated lymphoma and lymphoma treatment in resource-limited settings. The goals of this research are to develop one of the only lymphoma cohorts in sub-Saharan Africa which is prospectively and longitudinally characterized with respect to histopathologic, clinical, and laboratory features. Up to 800 adult and pediatric patients with confirmed lymphoproliferative disorders receiving treatment according to local standards will be followed for up to five years to evaluate response to therapy, treatment-related toxicities, and health-related quality of life (HRQOL).

Role: Contact PI

Lineberger Developmental Research Awards Gopal (PI) 7/1/2013-6/30/2018

A pilot clinical trial of R-CHOP in Malawi

This is an ongoing single-center, non-randomized clinical trial of R-CHOP, using the Indian generic biosimilar Reditux. We are enrolling 40 patients with and without HIV. Patients will be followed for primary endpoints of toxicity and progression-free survival. The study will provide essential preliminary data to support incorporating rituximab into clinical trial protocols in the multicenter AIDS Malignancy Consortium and Burkitt Lymphoma Trial Network. It will also provide momentum for a paradigm shift away from cytotoxic treatment in settings where this is difficult, and efforts to increase access to essential cancer medicines.

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Role: Contact PI

Lineberger Developmental Research Awards Smith (PI) 7/1/2017-6/30/2018
Concomitant Conventional Treatment and Traditional, Complementary, and Alternative Medicine (TCAM) Use by Cancer Patients in Malawi

We propose to implement an interviewer-administered quantitative survey of conventional treatment and TCAM use in adult cancer patients presenting to the Kamuzu Central Hospital in Lilongwe, Malawi, and to conduct qualitative focus groups of cancer patients. The primary outcome measure will be the frequency of concomitant TCAM use among adult cancer patients undergoing conventional cancer treatment. The secondary outcome measure will be the frequency of delayed clinical cancer diagnosis due to seeking alternative TCAM treatment for symptoms.

Role: Co-investigator

UNC Lineberger and CFAR HIV Malignancies Pilot Award Gopal (PI) 6/1/2013-6/30/2016
Epstein-Barr virus (EBV) and Kaposi sarcoma-associated herpesvirus (KSHV) in HIV-associated non-Hodgkin lymphoma (NHL) in Malawi

This is a National Cancer Institute supplement to perform virologic tests on lymph node and peripheral blood specimens from patients enrolled in our prospective lymphoma clinical cohort in Malawi. Specifically, the goals of this research are to determine the frequency of EBV and KSHV in HIV-associated NHL specimens from Malawi and compare to HIV-uninfected controls, as well as to assess EBV and KSHV viral kinetics in blood among HIV-associated NHL patients from Malawi and compare to HIV-uninfected controls.

Role: Contact PI

UNC Lineberger and CFAR Developmental Research Awards Gopal (PI) 7/1/2012-6/30/2015
Characterizing a large cohort of HIV-associated lymphoma in the CNICS network and examining correlates of clinical outcomes

The aims of this research are to characterize in detail the largest cohort of HIV-associated lymphoma patients receiving routine care in the antiretroviral therapy (ART) era, comprised of nearly 500 patients treated at 8 academic centers across the United States. In this work, we are examining associations between HIV and lymphoma treatment and clinical outcomes, as well as temporal trends in presentation and survival since the beginning of the ART era.

Role: Contact PI

Professional Service

To Discipline

Reviewer, NIH US-South Africa Program for Collaborative Biomedical Research Phase 2, RFA-AI-19-022	2019
Steering Committee Member, Visakhapatnam Cancer Research Park, Visakhapatnam, India	2019-2020
Associate Chair, NCI AIDS Malignancy Consortium cooperative clinical trials group	2019-2020
Reviewer, Fogarty International NCD Research Training Grant (D43) and Emerging Global Leader Award (K43), PAR-17-001, PAR-18-901, PAR-19-051	2019
Reviewer, UK National Institute for Health Research and Innovation for Global Health Transformation Panel	2019
Co-chair, NCI Advisory Board <i>Ad Hoc</i> Global Health Working Group	2018
Discussant, Harvard-Botswana Tumor Board	2018
External reviewer, St. Jude's Children's Research Hospital Clinical Trials Scientific Review Committee	2018-2020
Reviewer, National Comprehensive Cancer Network Framework for Resource Stratification of Guidelines	2018
Reviewer, Wellcome Trust International Fellowship	2018
Reviewer, NIH Fogarty Global Infectious Disease Training Program (D43), PAR 18-840	2018
External examiner, University of Witwatersrand Postgraduate Research Office	2018

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Themed discussion leader, HIV-associated malignancies in sub-Saharan Africa, 25 th Conference on Retroviruses and Opportunistic Infections	2018
Abstract Reviewer, 22nd International AIDS Conference	2018
Reviewer, UK National Institute for Health Research Global Health Program	2017-2020
Reviewer, NIH Fogarty International Center International Research Scientist Development Award (K01), PAR-17-002	2017
Reviewer, NCI Collaborative Consortia for the Study of HIV-Associated Cancers: US and Low- and Middle-Income Country (LMIC) Partnerships (U54), RFA-CA-16-018	2017
Lymphoma session co-chair, African Organization for Research and Training in Cancer biannual international conference	2017
Reviewer, Thrasher Research Fund	2016
Reviewer, NCI/AORTIC BIG CAT grants program	2016
Doctoral thesis external co-referee, University of Bern, Switzerland	2015
Member, Novartis Breast Cancer Advisory Group for Southern Africa	2014
Member, Cancer Working Group, International epidemiologic Databases to Evaluate Evaluate AIDS (IeDEA)	2013-2020
Investigator, AIDS Malignancy Consortium Hematologic Malignancies Working Group, HPV Working Group, Kaposi Sarcoma Working Group, Solid Tumor Working Group	2013-2020
Member, Cancer Working Group, Center for AIDS Research Network of Integrated Clinical Systems (CNICS)	2012-
Reviewer, <i>AIDS Research and Human Retroviruses</i> , <i>PLoS One</i> , <i>Antiviral Therapy</i> , <i>Nature Reviews Clinical Oncology</i> , <i>Infectious Agents and Cancer</i> , <i>Journal of Clinical Oncology</i> , <i>Emerging Infectious Diseases</i> , <i>BMC Cancer</i> , <i>AIDS</i> , <i>Journal of AIDS</i> , <i>International Journal of STD & AIDS</i> , <i>Journal of Antimicrobial Chemotherapy</i> , <i>Journal of Medical Virology</i> , <i>Journal of Oncology Practice</i> , <i>International Journal of Cancer</i> , <i>Journal of Infectious Diseases</i> , <i>Leukemia & Lymphoma</i> , <i>Cancer Medicine</i> , <i>BMC Infectious Diseases</i> , <i>Journal of Global Oncology</i> , <i>Journal of the National Cancer Institute</i> , <i>Pediatric Blood & Cancer</i> , <i>BMC Infectious Diseases</i> , <i>Blood</i> , <i>Lancet HIV</i> , <i>BMC Health Services Research</i> , <i>BMC Women's Health</i> , <i>Journal of Clinical Investigation</i> , <i>Journal of Clinical Pathology</i> , <i>Malawi Medical Journal</i> , <i>Lancet Global Health</i> , <i>Cancer</i> , <i>JAMA</i>	2012-2020
Invited contributor, US Department of Health and Human Services Panel on Antiretroviral Guidelines for Adults and Adolescents	2012

Within UNC-Chapel Hill

Member, UNC School of Medicine Strategic Planning Oversight Committee Global Health Working Group	2018
Winter Commencement Speaker, UNC-Chapel Hill	2017
Reviewer, UNC Gillings School of Global Public Health Innovation Lab Awards	2016
Reviewer, UNC Lineberger Developmental Awards	2015

Other

Internal Medicine Residency Selection Committee, Norwalk Hospital	2005-2007
Internal Medicine-Pediatrics Residency Selection Committee, University of Michigan	2004-2005
Davison Council Service Chair, Duke University School of Medicine	1999-2000