

Katherine Douglas Westmoreland, M.D.

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EDUCATION

University of North Carolina Hospitals **Chapel Hill, NC**
UNC-Duke Clinical Pharmacology T32 Fellowship July 2017 – May 2019

University of North Carolina Hospitals **Chapel Hill, NC**
Pediatric Hematology Oncology fellow July 2016 – July 2018

University of North Carolina/National Institutes of Health Fogarty International **Lilongwe, Malawi**
Global Health Fellow, UNC-Project Malawi July 2015 - May 2016

Children’s Hospital of Philadelphia **Gaborone, Botswana**
David N. Pincus Global Health Fellowship July 2013 - June 2015

University of Utah, Primary Children’s Medical Center **Salt Lake City, UT**
Pediatric Residency Program July 2009 - June 2012

Wake Forest University School of Medicine **Winston-Salem, NC**
Doctor of Medicine, May 2009 Aug 2005 - May 2009

Wake Forest University **Winston-Salem, NC**
Bachelor of Science Degree in Biology, *Summa Cum Laude*, May 2005
Graduation with Honors in Biology, Minor in Chemistry Aug 2001 - May 2005

PROFESSIONAL EXPERIENCE

University of North Carolina **Capel Hill, NC**
Assistant Professor, Pediatric Hematology-Oncology June 2019- Present
Working clinically at UNC Hospitals in Chapel Hill and at Kamuzu Central Hospital with UNC Project-Malawi. Principal investigator of a Burkitt Lymphoma clinical trial in Malawi.

University of Botswana **Gaborone, Botswana**
Adjunct Lecturer, Pediatrics and Adolescent Medicine. Aug 2013-June 2015
Working clinically on the general pediatric ward at Princess Marina Hospital, conducting research, and teaching University of Botswana medical students and residents.

Southridge Pediatrics & Kids Care Urgent Care, Intermountain Medical Group **Salt Lake City, UT**
Attending Oct 2012-June 2013
I worked as a pediatrician private practice outpatient pediatric clinic seeing on average 25 patients per day and urgent care after hours seeing on average 60 patients per weekend shift. I am proficient in many procedures including laceration repair, fracture management, and circumcision.

One Heart World Wide **Dolpa, Nepal**
Pediatric Consultant, District Program Director July 2012 -Sept 2012
Pediatric consultant and district program director for the implementation of a maternal child health program in rural Nepal.

Wee Care Pediatrics

Pediatric Consultant

During residency I moonlighted at an after hours pediatric urgent care.

Salt Lake City, UT

Jan 2011- July 2012

Behavior Therapist

I am a trained Applied Behavior Analysis behavior therapist and worked with a 9-year-old autistic child.

Winston-Salem, NC

Jan 2004-Aug 2005

HONORS

UNC Lineberger Comprehensive Cancer Center- Pope Clinical Trainee Award	2018
Awarded top clinical trainee for my cancer research accomplishments.	
Best Global Capacity Building Poster- American Society of Hematology (ASH) Meeting	2018
Senior author and mentor for Malawian first author who received full scholarship for conference attendance.	
Best Case Report- UNC Day of Scholarship	2018
Senior author and mentor on a resident abstract submitted.	
International Society for Pediatric Oncology (SIOP)	2017
Awarded best poster out of all posters in the section	
Fifth International Symposium on Childhood Non-Hodgkin Lymphoma	2015
Awarded best poster out of all posters at the entire conference	
Mead Johnson Travel Award	2012
Awarded for the top subspecialty abstract at the Western Regional Research Meeting.	
Western Society for Clinical Investigation Travel Award	2011
Awarded for the top subspecialty abstract at the Western Regional Research Meeting.	
Dr. Sergio Huerta Resident Research Award	2011
Awarded for best resident presentation at the Western Regional Research Meeting.	
International Elective Award, American Academy of Pediatrics	2011
Health needs assessment and feasibility survey for the development of a maternal child health program in Dolpa district, Nepal.	
Spirit of Residency Award	2011
Nominated by fellow residents for exceptional teaching, team work, and dedication.	
Resident of the Year, Primary Children's Medical Center	2011
Nominated by the staff for outstanding collaboration, compassion, and clinical knowledge.	
Pediatric Global Health Resident Travel Award	2011
Awarded to fund an international elective to Nepal Oct. 2011 to continue my research.	
R.W. Pritchard History of Medicine Award, Wake Forest University School of Medicine	2009
Awarded for a thesis paper discussing Native American influence on western medicine.	
Wake Forest University School of Medicine International Service Scholarship	2006, 2009
Phi Beta Kappa Honor Society	2009

BIBLIOGRAPHY**BOOKS**

North Carolina Children's Global Health Handbook	Chapel Hill, NC
Co-editor of the handbook to serve as a pediatrician's guide to integrate WHO Integrated Management of Childhood Illness (IMCI) guidelines in Sub-Saharan Africa. (In Press)	August 2017
Pediatric Hematology/Oncology Ward Officer's Handbook	Gaborone, Botswana
Co-editor of the handbook and high yield quick reference used on the wards at Princess Marina Hospital as a reference for doctors and staff caring for pediatric	March 2014

hematology, oncology, and palliative care patients in Botswana.

REFERRED PAPERS

T. Mvalo, H. Topazian, P. Kamthunzi, J. Chen, I. Kambalame, P. Mafunga, N. Mumba, MC. Chiphaliwali, K. Paseli, G. Tegha, W. Kumwenda, JB. Heimlich, G. Ellis, N. Key, S. Gopal, I. Hoffman, K. Ataga, **K. Westmoreland**. “The Use of Hydroxyurea in Children with Sickle Cell Disease at Kamuzu Central Hospital, Malawi.” *Pediatric Blood & Cancer*. (Accepted, pending publication)

MS. Painschab, **KD. Westmoreland**, E. Kasonkanji, T. Zuze, B. Kaimila, P. Wasswa, N. El-Mallawany Kim, T. Tomoka, M. Mulenga, ND. Montgomery, Y. Fedoriw, and S. Gopal. “Burkitt lymphoma in adolescents and adults in Malawi: a prospective cohort study.” *Blood Advances*. 2019 Feb;3(4):612-620. PMID: 30796065.

K. Westmoreland, B. Reeve, A. Amuquandoh, T. van der Gronde, O. Manthalu, H. Correia, C. Stanley, S. Itimu, A. Salima, M. Chikasema, P. Ward, A. Mpsa, S. Wachepa, I. Mtete, M. Butia, M. Chasela, M. Mtunda, P. Wasswa, S. Martin, N. El-Mallawany Kim, P. Kazembe, S. Gopal “Translation, psychometric validation, and baseline results of the patient-reported outcomes measurement information system (PROMIS) pediatric measures to assess health-related quality of life of pediatric lymphoma patients in Malawi.” *Pediatric Blood & Cancer*. 2018 Nov;65(11):e27353. PMID: 30015407.

KD. Westmoreland, FM. Banda, AP. Steenhoff, ED. Lowenthal, E. Isaksson, BA. Fassl. “A Standardized low-cost peer role-playing training intervention improves medical student competency in communicating bad news to patients in Botswana” *Palliative & Supportive Care*. 17 October 2018. (E-pub ahead of print)
DOI: 10.1017/S1478951518000627

FM. Banda, KM. Powis, AB. Mokoka, M. Mmapetla, **KD. Westmoreland**, T. David, A. P. Steenhoff. “Hearing impairment among children referred to a public audiology clinic in Gaborone, Botswana.” *Global pediatric health*. 20 April 2018. PMID: 29761140. 2018. (eCollection)

C. Stanley, TV Gronde, **KD. Westmoreland**, A Salima, A Amuquandoh, S Itimu, A Manda, I Mtete, MButia, AMpsa, SWachepa, P Fox, P Wasswa, P Kazembe, NK. El-Mallawany, S Gopal. “Risk factors and reasons for treatment abandonment among children with lymphoma in Malawi.” *Journal of Supportive Cancer Care*. 2018 Mar;26(3):967-973. PMID: 28986643.

KD. Westmoreland, ED. Lowenthal, R. Finalle, L. Mazhani, M. Cox, JC. Mwita, SB. Mphele, CE. Turner, AP. Steenhoff. “Registrar Wellness in Botswana: Measuring Burnout and Identifying Ways to Improve Wellness.” *African Journal of Health Professions Education*. Sept 2017; 9(3): 98-102. DOI:10.7196/AJHPE.2017.v9i3.881.

B. Monokwane, A. Johnson, C. Gambrah-Sampaney, E. Khurana, J. Baier, E. Baranov, **K. Westmoreland**, L. Mazhani, A. Steenhof, DR. Bearden. “Risk Factors for Cerebral Palsy in Children in Botswana.” *Pediatric Neurology*. Dec 2017; 77:73-77. PMID: 29074060

KD. Westmoreland, N. El-Mallawany, P. Kazembe, C. Stanley, S. Gopal. “Dissecting heterogeneous outcomes for paediatric Burkitt lymphoma in Malawi after anthracycline-based treatment.” *British Journal of Haematology*. June 2018; 181 (6):853-854. PMID: 28714257.

KD. Westmoreland, C. Stanley, N. El-Mallawany, P. Wasswa, I. Mtete, M. Butia, S. Itimu, M. Chasela, M. Mtunda, M. Chikasema, V. Malwalwa, B. Kaimila, E. Kasonkanji, M. Sanders, C. Kampani, B. Dhungel, R. Krysiak, N. Montgomery, N. Limoba, Y. Fedoriw, D. Dittmer, S. Gopal. “Plasma Epstein Barr Virus DNA for pediatric lymphoma diagnosis, prognosis, and response assessment in Malawi.” *International Journal of Cancer*. 1 June 2017; 140(11): 2509-2516. PMID: 28268254.

NK. El-Mallawany, M. Mutai, I. Mtete, S. Gopal, C. Stanley, M. Mtunda, M. Chasela, W. Kamiyango, J. Villiera, P. Wasswa, Y. Fedoriw, ND. Montgomery, GN. Liomba, C. Kampani, R. Krysiak, **KD. Westmoreland**, MH. Kim, JS. Slone, J. Lubega, ME. Scheurer, CE. Allen, PS. Mehta, PN. Kazembe. “Beyond Endemic Burkitt Lymphoma:

Navigating Challenges of Differentiating Childhood Lymphoma Diagnoses Amid Limitations in Pathology Resources in Lilongwe, Malawi.” *Global Pediatric Health*. June 2017. PMID: 28680947. (eCollection)

C. Stanley, **K. Westmoreland**, S. Itimu, A. Salima, T. Van der Gronde, P. Wasswa, I. Mtete, M. Butia, N.K. El-Mallawany, Gopal. “Quantifying bias in survival estimates resulting from loss to follow up among children with lymphoma in Malawi.” *Pediatric Blood and Cancer*. June 2017; 64(6). PMID: 27896944.

KD. Westmoreland, CC. Stanley, ND. Montgomery, B. Kaimila, E. Kasonkanji, NK. El-Mallawany, P. Wasswa, I. Mtete, M. Butia, S. Itimu, M. Chasela, M. Mtunda, M. Chikasema, V. Makwakwa, C. Kampani, BM. Dhungel, MK. Sanders, R. Krysiak, T. Tomoka, NG. Liomba, DP. Dittmer, Y. Fedoriw, S. Gopal. “Hodgkin Lymphoma, HIV, and Epstein-Barr virus in Malawi: Longitudinal Results from the Kamuzu Central Hospital Lymphoma Study.” *Pediatric Blood Cancer*. May 2017; 64(5). PMID: 27781380.

C. Stanley, **K. Westmoreland**, B. Heimlich, N. El-Mallawany, P. Wasswa, I. Mtete, M. Butia, S. Itimu, M. Chasela, M. Mtunda, M. Chikasema, V. Malwalwa, B. Kaimila, E. Kasonkanji, F. Chimzimu, C. Kampani, B. Dhungel, R. Krysiak, N. Montgomery, Y. Fedoriw, N. Roseberg, N. Limoba, S. Gopal. “Outcomes for paediatric Burkitt lymphoma treated anthracycline-based therapy in Malawi.” *British Journal of Hematology*. June 2016; 173(5):705-12. PMID: 26914979.

D. Bearden, B. Monokwane, E. Khurana, J. Baier, E. Baranov, **K. Westmoreland**, L. Mazhani, A. Steenhoff, “Pediatric Cerebral Palsy in Botswana: Etiology, Outcomes, and Comorbidities.” *Pediatric Neurology*. June 2016; 59:23-9. PMID: 27114082.

A. McBride, D. Cline, R. Neiberg, **K. Westmoreland**. “Pediatric All-Terrain Vehicle Injuries: Does Legislation Make a Dent?” *Pediatric Emergency Care*. 2011; 27 (2): 97-101. PMID: 21252816.

WORKSHOP

K. Westmoreland (Leader), B. Fassl (Co-Leader). “MacGyver guide to Global Health: practical tips and tricks for practicing medicine when resources are limited.” Pediatric Academic Societies. San Diego, CA. April 2015.

PANEL

K. Westmoreland, “Working with Adolescent Girls with HIV: Helping Orphaned Adolescent Girls in Africa” Exploring the Health Gap: Global Gender Disparities and their Impact on Girls. Children’s Hospital of Philadelphia. Philadelphia, PA. October 2014.

PLATFORM PRESENTATIONS

K. Westmoreland, N. Montgomery, T. van der Gronde, S. Itimu, A. Salima, T. Tomoka, B. Dhungel, C. Kampani, M. Sanders, D. Dittmer, Y. Fedoriw, S. Gopal. “Developing a clinical diagnostic algorithm for pediatric Burkitt lymphoma.” International Society for Pediatric Oncology (SIOP), Washington DC, October 2017.

K. Westmoreland, C. Stanley, N. El-Mallawany, P. Wasswa, I. Mtete, M. Butia, S. Itimu, M. Chasela, M. Mtunda, M. Chikasema, V. Malwalwa, B. Kaimila, E. Kasonkanji, M. Sanders, C. Kampani, B. Dhungel, R. Krysiak, N. Montgomery, N. Limoba, Y. Fedoriw, D. Dittmer, S. Gopal. “Utility of quantitative plasma Epstein Barr Virus DNA for pediatric lymphoma diagnosis and treatment in Malawi”, International Society for Pediatric Oncology (SIOP), Dublin, Ireland, October 2016. Abstract number O-126.

K. Westmoreland, T. Dickerson, F. Nkoy, B. Fassl. “Maternal Child Health Needs Assessment in Dolpa District, Western Nepal.” American Federation of Medical Research: Western Regional Meeting. Carmel, CA. Jan 2012.

K. Westmoreland, B. Fassl. “The use of verbal autopsy to determine the leading causes of neonatal death in rural Tibet.” American Federation of Medical Research: Western Regional Meeting. Carmel, CA. Jan 2011.

POSTERS

T. Mvalo, H. Topazian, P. Kamthunzi, J. Chen, I. Kambalame, P. Mafunga, N. Mumba, MC. Chiphaliwali, K. Paseli, N. Key, S. Gopal, I. Hoffman, K. Ataga, **K. Westmoreland**. “Increasing hydroxyurea use in children with sickle cell disease at Kamuzu Central Hospital in Malawi”. American Society of Hematology (ASH) Annual Meeting, San Diego CA. December 2018. (Poster discussion; Awarded best poster in the global capacity building section.)

P. Kamthunzi, H. Topazian, T. Mvalo, J. Chen, I. Kambalame, P. Mafunga, N. Mumba, MC. Chiphaliwali, K. Paseli, JB. Heimlich, G. Ellis, N. Key, S. Gopal, I. Hoffman, K. Ataga, **K. Westmoreland**. Development of sickle cell diagnostics and a pediatric sickle cell clinic in Malawi. American Society of Hematology (ASH) Annual Meeting, San Diego CA. December 2018.

K. Westmoreland, A. Tilly, A. Amuquandoh, T. van der Gronde, S. Itimu, A. Salima, O. Manthalu, P. Ward, A. Mpsa, S. Wachepa, I. Mtete, M. Butia, P. Wasswa, N. El-Mallawany Kim, S. Martin, B. Reeve, S. Gopal. “Pediatric lymphoma patients in Malawi present with poor Health-Related Quality of Life that improves throughout treatment as measured by the PROMIS-25 Questionnaire.” International Society for Pediatric Oncology (SIOP), Kyoto Japan, November 2018.

A. Cline, L. Parente, A. Carroll, **K. Westmoreland**. “A SCN-tillating diagnosis: An infant with recurrent thrush and new perineal lesions” UNC Department of Pediatrics Day of Scholarship. April 2018. (Awarded best case report.)

K. Westmoreland, T. van der Gronde, A. Amuquandoh, O. Manthalu, S. Itimu, A. Salima, C. Stanley, M. Chikasema, P. Ward, S. Gopal, B. Reeve. “Validating the patient-reported outcomes measurement information system (PROMIS-25) to measure health-related quality of life in pediatric lymphoma patients in Malawi.” International Society for Pediatric Oncology (SIOP), Washington DC, October 2017.

K. Westmoreland, A. Amuquandoh, T. van der Gronde, S. Itimu, A. Salima, O. Manthalu, P. Ward, A. Mpsa, S. Wachepa, I. Mtete, M. Butia, P. Wasswa, N. El-Mallawany Kim, P. Kazembe, B. Reeve, S. Gopal. “Pediatric cancer patients in Malawi present to the hospital with poor health-related quality of life as Measured by the PROMIS-25 questionnaire.” International Society for Pediatric Oncology (SIOP), Washington DC, October 2017. (Poster discussion, awarded best poster in the section)

K. Westmoreland, C. Stanley, N. El-Mallawany, P. Wasswa, I. Mtete, M. Butia, S. Itimu, M. Chasela, M. Mtunda, M. Chikasema, V. Malwalwa, B. Kaimila, E. Kasonkanji, C. Kampani, B. Dhungel, R. Krysiak, N. Montgomery, N. Limoba, Y. Fedoriw, S. Gopal. “Hodgkin lymphoma, Epstein Barr Virus, and HIV in Malawi: longitudinal results from the Kamuzu Central Hospital Lymphoma study”, International Society for Pediatric Oncology (SIOP), Dublin, Ireland, October 2016. Abstract number: P-0449.

K. Westmoreland, P. Wasswa, N. El-Mallawany, I. Mtete, M. Butia, S. Itimu, M. Chasela, M. Mtunda, S. Gopal. “Malnutrition in pediatric lymphoma patients in Malawi is best identified using mid-upper arm circumference”, International Society for Pediatric Oncology (SIOP), Dublin, Ireland, October 2016. Abstract number: P-1006.

K. Westmoreland, C. Stanley, J. Heimlich, N. El-Mallawany, P. Wasswa, I. Mtete, M. Butia, S. Itimu, M. Chasela, M. Mtunda, M. Chikasema, V. Makwakwa, B. Kaimila, E. Kasonkanji, F. Chimzimu, Cox. Kampani, B. Dhungel, R. Krysiak, N. Montgomery, Y. Fedoriw, N. Rosenberg, N. Liomba, S. Gopal. “Survival among CHOP treated children with Burkitt Lymphoma in Malawi” Fifth International Symposium on Childhood, Adolescent, and Young Adult Non-Hodgkin Lymphoma, Varese, Italy, October 2015. (Awarded best poster at the entire conference)

K. Westmoreland, “Development of a Role-Playing Workshop to Teach Medical Students in Botswana How to Communicate Effectively and Deliver Bad News” International Society for Pediatric Oncology (SIOP), Cape Town, October 2015. Abstract number: P-651.

K. Westmoreland, T. Dickerson, F. Nkoy, B. Fassl. “Maternal Child Health Needs Assessment in Dolpa District, Western Nepal.” Pediatric Academic Societies (PAS). Boston, MA. April 2012.

TEACHING ACTIVITIES

GRAND ROUNDS

University of North Carolina (UNC) Pediatric Grand Rounds
Pediatric Burkitt Lymphoma in Malawi: Past, Present, and Future

Chapel Hill, NC
April 7, 2018

INVITED KEYNOTE SPEAKER

Children’s Hospital of Philadelphia Global Health Conference
“My career path: From CHOP Pincus Global Health Fellow to Now”

Philadelphia, PA
Oct 6, 2017

INVITED SPEAKER

AIDS Malignancy Consortium (AMC) Investigator Meeting
“HIV and Methotrexate Dosing among Adolescents and Young Adults with Burkitt Lymphoma in Malawi”

Bethesda, MD
October, 2018

LECTURES/WORKSHOPS

Lecture: Pediatric Burkitt Lymphoma
Teaching the adult oncology team about leukemia in adolescents and young adults.

Malawi, Africa
Feb 19, 2019

Case Leader/Facilitator: Global Health Simulation

Leader of the respiratory distress simulation to prepare UNC medical students and residents for international medical rotations including how to build bubble CPAP.

Chapel Hill, NC
Feb 2017, Nov 2017,
April 2018.

Lecture: Adolescent Leukemia

Teaching the adult oncology team about leukemia in adolescents and young adults.

Malawi, Africa
June 15, 2018

Lecture: Malnutrition in pediatric lymphoma patients in Malawi

International Society for Pediatric Oncology (SIOP), Cure4Kids portal, invited to give a live online lecture to an international audience.

Online International
December 1, 2016

Lecture: Pediatric Oncology in Africa with a focus on Burkitt Lymphoma

Presented a lecture during global health week at the UNC Pediatric Residency noon conference.

Chapel Hill, NC
October 17, 2016

Lecture: Diabetic Ketoacidosis

Presented a lecture on diabetic ketoacidosis to University of Malawi third year Medical students as part of their didactic clinical pediatric rotation.

Lilongwe, Malawi
Nov 2015- June 2016

Intern Lecture Series: Pediatric Fever

Presented a lecture on pediatric fever to interns rotating through pediatrics every 8 weeks. I also give this lecture the local community general practitioners who work in the Ministry of Health clinics in and around Gaborone.

Gaborone, Botswana

Jan 2014- June 2015

Workshop: Delivering Bad News

Developed an implementing a workshop every 2 months for a small group of University of Botswana 5th year medical Students on how to deliver bad news using the SPIKES protocol and role playing.

Gaborone, Botswana

Aug 2014 – June 2015

Facilitator of Problem Based Learning: The Sick Neonate

Gaborone, Botswana

Facilitator of problem based learning sessions on the sick neonate for University of Botswana 5th year medical Students who rotate through pediatrics every 8 weeks. Aug 2013 – June 2015

Lecture: Intellectual and Learning Disabilities
Presented at pediatric morning report at Princess Marina Hospital for consultants and University of Botswana residents and medical students. **Gaborone, Botswana**
May 2015

Lecture: Pediatric Constipation
Presented at pediatric morning report at Princess Marina Hospital for consultants and **Gaborone, Botswana**
April 2015

Guest Speaker in the “Issues in Global Health” lecture series
Provided perspectives from the field in global child health including challenges and solutions from my experience working in Nepal, South Africa, and Botswana. **Philadelphia, PA**
October 2014

Lecture: Pediatric Palliative Care and Pediatric Pain
Presented at pediatric morning report at Princess Marina Hospital for consultants and University of Botswana residents and medical students. **Gaborone, Botswana**
July 2014

Lecture: Systematic Approach to Reading a Chest X-Ray
Presented at pediatric morning report at Princess Marina Hospital for consultants and University of Botswana residents and medical students. **Gaborone, Botswana**
Sept 2013

Training: Newborn Care Package Training for Health Providers
Served as a Newborn Care Package master trainer for supervised training of health workers in rural Nepal. **Dolpa, Nepal**
November 2011

CLINICAL TEACHING

Resident Teaching
Fellow supervision and bedside teaching of UNC Pediatric residents on their pediatric hematology-oncology rotation. **Salt Lake City, Utah**
July 2016 – Present

Intern, Resident, and Medical Student Teaching
As a pediatric consultant I provided bedside teaching and lead the pediatric oncology wards teams for the University of Malawi interns, residents, and medical students. **Lilongwe, Malawi**
June 2015-June 2016

Intern, Resident, and Medical Student Teaching
As a pediatric consultant I prepare a daily teaching sessions for the University of Botswana interns, residents, and medical students in addition to bedside teaching and leading the pediatric wards teams. **Gaborone, Botswana**
Aug 2013 – June 2015

Resident Teaching
Attending supervision and bedside teaching of the University of Utah Pediatric residents as part of their urgent care rotation. **Salt Lake City, Utah**
Oct 2012 – June 2013

Intern, Junior Resident, and Medical Student Teaching
As a senior resident, I prepared a daily teaching sessions for the University of Utah Interns, residents, and medical students in addition to bedside teaching and leading the pediatric wards teams. **Salt Lake City, Utah**
July 2010 – July 2012

RESEARCH MENTORSHIP

Pediatric Attending
--Tisungane Mvalo- UNC Project Malawi Pediatric Consultant: Pediatric Sickle Cell in Malawi (2018-Present)

Clinical Fellows
--Alyssa Tilly, MD- Palliative Care Fellow: (2018-present)

The goal of this project was to improve health care delivery to newborns through capacity building among facility and community based health workers. The project trained 347 community-based providers in essential newborn care following standard WHO curricula.

Role: Co-investigator.

Schulverein Lo-Manthang Foundation

Fassl (PI)

2012-2013

Improving birth outcomes in Dolpa, western Nepal.

The goal of this project was to establish a network of 7 birthing centers in Dolpa district, to equip these birthing centers according to government standards, and to train at least one skilled birth attendant for each center to increase the proportion of skilled facility based births.

Role: Co-investigator

PROFESSIONAL SERVICE

WITHIN UNC-CHAPEL HILL

- **UJMT Fogarty Global Health Fellowship-** Peer reviewer for UNC applications submitted. (October 2018- Present)

OTHER

- **Journal of Pediatric Hematology Oncology-** Peer Reviewer of global health articles submitted. (October 2018 – Present)
- **University of Botswana -Observed Structured Clinical Case Exams,** Evaluator for Medical Student final exams. (April 2014, April 2015)
- **Children’s Hospital of Philadelphia Global Health Pilot Grants-** External peer reviewer for grants submitted. (October 2015 – Present)
- **Pediatric Emergency Care-** Peer Reviewer of global health articles submitted. (October 2015 – July 2015)

RESEARCH STATEMENT

I have extensive experience living and working in sub-Saharan Africa through the Children’s Hospital of Philadelphia Global Health Fellowship in Botswana and the Fogarty Global Health Fellowship in Malawi. During both fellowships, I have gained skills in conducting clinical research in sub-Saharan Africa and have been highly productive with 13 published manuscripts (6 first author, 2 second author). During my Fogarty fellowship at UNC Project-Malawi under the primary mentorship of Dr. Satish Gopal, MD, MPH, I gained skills and expertise conducting clinical research in pediatric and adolescent Burkitt Lymphoma and Hodgkin Lymphoma. Additionally, I led the translation and validation of the Patient Reported Outcomes Measurement Information Systems (PROMIS) instrument to measure health-related quality of life (HRQoL) with the mentorship of Bryce Reeve, PhD. Throughout my clinical work in sub-Saharan Africa, I was challenged by the lack of data to support standardized treatment approaches and optimal dosing for the most common chemotherapy agents. Therefore, I was competitively awarded the UNC-Duke Clinical Pharmacology T32 clinical fellowship which has given me a foundation of knowledge in clinical trial design and pharmacokinetics, with the additional mentorship of Dr. Daniel Gonzalez, PharmD, PhD. After my T32 fellowship in July 2019, I will join faculty at UNC as an Assistant Professor and return to Malawi full time where I will be only the second pediatric hematology oncology physician in the entire country. I was recently awarded a Fogarty K01 award and for the next 5 years my research will focus on optimizing treatment outcomes of adolescent and young adult patients with Burkitt Lymphoma in Malawi through a Methotrexate dose escalation phase I clinical trial including methotrexate pharmacokinetics. This award will enable me to become a successful independent global health investigator and to develop an R01 application where I will lead future clinical trials to optimized chemotherapy dosing and improve survival and quality of life for children and adolescents with cancer in sub-Saharan Africa.

TEACHING STATEMENT

I am passionate about teaching medical professionals in all levels of training and across all disciplines about pediatric global health, palliative care, and pediatric oncology in resource limited settings. I enjoy teaching Malawian medical students, interns, medical officers, pediatric residents, pediatricians, sub-specialists, nursing students, and nurses. In residency, I was awarded the Resident of the Year award which is nominated by nurses which exemplifies how I enjoy working with nurse as a team I also enjoy teaching UNC residents and medical students who do rotations in Malawi. For the medical students in Botswana, I developed and lead an interactive role-playing workshop to help teach medical students how to more effectively deliver bad news to patients. I am also passionate about educating my patients and families about cancer in Malawi. I have developed educational videos that we are now playing in our oncology clinic and chemotherapy infusion room in Malawi to improve patient education and the patient experience.