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EDUCATION AND PROFESSIONAL TRAINING

Date	Education	Institution	Degree/Position
1997 – 2001	College	University of Texas at Austin	BS, Cellular and Molecular Biology; Minor in Cello
2002 – 2006	Medical School	University of Texas Health Sciences Center at San Antonio	MD
2006 – 2009	Pediatrics Residency	University of Texas Health Sciences Center at San Antonio	Resident
2009 – 2012	Master of Science in Global Health	Duke University	MSc
2010 – 2014	Fellowship	Duke University Medical Center	Fellow, Pediatric Infectious Diseases

PROFESSIONAL HONORS AND AWARDS

2011	Fellow Teacher of the Year, Honorable Mention Duke University Medical Center
2012	HIVMA Travel Award <i>XIX International AIDS Conference</i> , Washington, DC
2013	North Carolina Infectious Diseases Society Travel Award <i>ID Week</i> , San Francisco, CA
2015	American Pediatric Academic Society Young Investigator Coaching Award <i>Pediatric Academic Society Meeting</i> , San Diego, CA
2015	NIH Loan Repayment Program Awardee

SCHOLARLY SOCIETIES

2006 – 2009	Member, <i>Texas Pediatric Society</i>
2006 – Present	Member, <i>American Academy of Pediatrics</i>
2010 – Present	Member, <i>Infectious Diseases Society of America</i>
2010 – Present	Member, <i>Pediatric Infectious Disease Society</i>

PUBLICATIONS

REFEREED ARTICLES

1. Guadelupe, M, Pollack, B, Westbrook, S, Redding, S, Bullock, D, Anstead, G, Agan, BK, Marconi, VC, Barbieri, S, Sankar, V, Rebeles, J, Flahive, Y, Schoolfield, J, Wang, L, Lei, X, **Dow, DE**, Yeh, CK, Dang, H, Infante, AJ, Gao, SJ. Risk Factors Influencing Antibody Responses to Kaposi's Sarcoma Associated Herpesvirus Latent and Lytic Antigens in Patients Under Antiretroviral Therapy in South Texas. *J Acquir Immune Defic Syndr*. 2011, Jan 1; 56(1): 83-90. PMID: 21084997. PMCID: PMC3051282.
2. O'Donnell, K, Yao, J, Osterman, J, Thielman, N, Reddy, E, Whetten, R, Maro, V, Itemba, D, Pence, B, **Dow, DE**, Whetten, K. Low rates of child testing for HIV persist in a high-risk area of East Africa. *AIDS Care*. 2014; 26(3): 326-31. PMID: 23875966. PMCID: PMC4420029
3. **Dow, DE**, Cunningham, CK, Buchanan, AM. A Review of Human Herpesvirus 8, the Kaposi's Sarcoma-Associated Herpesvirus, in the Pediatric Population. *Journal Pediatric Infectious Diseases Society*. 2014, Mar; 3(1):66-76. (Epub 2013 Sep 4). PMID: 24567845 PMCID: PMC3933043
4. Buchanan, AM, **Dow, DE**, Massambu, CG, Nyombi, B, Shayo, A, Musoke, R, Feng, S, Bartlett, JA, Cunningham, CK, Schimana, W. Progress in the Prevention of Mother to Child Transmission of HIV in Three Regions of Tanzania. *PLoS ONE*. 2014, Feb 13; 9(2):e88679. PMID: 24551134. PMCID: PMC3923804.
5. Nsheha AH, **Dow DE**, Kapanda GE, Hamel BC, Msuya LJ. Adherence to antiretroviral therapy among HIV-infected children receiving care at Kilimanjaro Christian Medical Centre (KCMC), Northern Tanzania: A cross-sectional analytical study. *Pan African Medical Journal*. 2014, Mar 28;17:238. PMID 25170382. PMCID: PMC4145266
6. **Dow DE**, Bartlett JA. Dolutegravir, the Second-Generation of Integrase Strand Transfer Inhibitors (INSTIs) for the Treatment of HIV. *Infectious Diseases and Therapy*. 2014 June 24. PMID: 25134686. PMCID: PMC4269626
7. **Dow DE**, Shayo A, Cunningham CK, Reddy EA. Durability of Antiretroviral Therapy and HIV-1 RNA Resistance Mutations: A Four-Year Follow Up Study of Perinatally HIV-Infected Children in Tanzania. *BMC Infectious Diseases*. 2014 Nov 7;14(1):567. PMID 25373425. PMCID: PMC4225040
8. **Dow DE**, Shayo AM, Turner EL, Mmbaga B, Cunningham CK, O'Donnell K. Evaluating Mental Health Difficulties and Associated Outcomes Among HIV-Positive Adolescents in Tanzania. *AIDS Care*. 2016 February 3:1-9. PMID 26837437.
9. Dahinten AP, **Dow DE**, Cunningham, CK, Msuya, LJ, Mmbaga B, Malkin RA. Providing safe and effective preventative antiretroviral prophylaxis to HIV-exposed newborns via a novel drug delivery system in Tanzania. *Pediatric Infectious Diseases Journal*. 2016 May 17. PMID 27195602
10. Sullivan K, Ramaiya M, Mmbaga B, Shayo A, Cunningham CK, O'Donnell K, **Dow DE**. A Qualitative Exploration of the Psychosocial Contexts of HIV-Positive Adolescents in Tanzania. *PLoS One*. 2016 Nov 16; 11(11):e0165936. PMID 27851797.

ABSTRACTS

1. **Dow DE**, Schimana W, Sheng F, Shayo A, Bartlett JA, Massambu CG, Cunningham CK, Buchanan AM. PMTCT Performance among HIV-Infected Infants in Tanzania. Poster

- Session, Abstract A-452-0187-15626, XIX *International AIDS Conference*, Washington, DC, 22-27 July 2012.
2. Schimana W, **Dow DE**, Feng S, Shayo A, Bartlett JA, Mbita G, Haule A, Massambu CG, Buchanan AM. Effectiveness of the Prevention of Mother to Child Transmission Programs for Two Regions in Northern Tanzania. Poster Session, Abstract A-452-0443-19094, XIX *International AIDS Conference*, Washington, DC, 22-27 July 2012.
 3. **Dow, DE**, Shayo, A, Cunningham, CK, Reddy, EA. Durability of Antiretroviral Therapy and HIV-1 RNA Resistance Mutations Among HIV-Positive Children in Tanzania. Poster Session, Abstract 42058, *ID Week*, San Francisco, CA October 2-6, 2013.
 4. **Dow DE**, Shayo AM, Sullivan K, Cunningham CK, O'Donnell K. Establishing Mental Health Needs Among HIV-Positive Children in Tanzania. Poster Session, Abstract Submission A-641-0165-08574, XX *International AIDS Conference*, Melbourne, Australia, 20-25 July, 2014.
 5. **Dow DE**, Shayo A, Turner E, Mmbaga B, Cunningham CK, O'Donnell K. Mental Health and Associated Virologic Outcomes Among HIV-Infected Adolescents in Tanzania. *International AIDS Conference*, Durban, South Africa, 18-22 July, 2016.

RESEARCH AND FUNDING

Date	Role	Funding Institution and Grant	Project Title
2015-2020	Principle Investigator	National Institute of Health IRSDA Fogarty: K01 TW-009985-01 PI: Dow, DE	Integrating Mental Health into a HIV Clinic to Improve Outcomes in Tanzanian Youth
2016 - 2017	Principle Investigator	Josiah Charles Trent Memorial Foundation Endowment Fund PI: Dow, DE	Understanding Barriers and Successes in Transition of Adolescent to Adult HIV Care in Tanzania
Past Funding Support			
2014 – 2016	Awardee	VECD Fogarty Fellowship: R25 TW009337 PI: Thielman, NM	Fogarty International Clinical Research Scholars and Fellows Program
2013 – 2015	Principal Investigator	Duke Center for AIDS Research (CFAR) Small Grants Program: 5P30 AI064518 PI: Dow, DE	Establishing Mental Health Needs Among HIV-Positive Adolescents in Tanzania
2012 – 2014	Co-investigator/ Statistical analysis	Duke Center for AIDS Research (CFAR) Small Grants Program: 5P30 AI064518 PI: Reddy, EA	Predictors of Incomplete Virologic Suppression in Tanzanian Children with HIV-1 Infection Receiving Highly Active Antiretroviral Therapy

2011 – 2014	Clinical Research Fellow	National Institute of Health 1T32HD060558-01A2 PI: Cunningham, CK	Institutional Training Grant in Pediatric Infectious Diseases
2011 – 2015	Co-investigator/ Statistical analysis	NIAID PEPFAR Supplemental Fund for HIV/AIDS Implementation Science: 3U01 AI069484 A4S2 PI: Bartlett, JA	PMTCT Performance and Resistance Patterns of HIV- Infected Infants in Tanzania
2011 – 2015	Co- investigator/Study Coordinator	NIAID PEPFAR Supplemental Fund for HIV/AIDS Implementation Science: 3U01 AI069484 A4S2 PI: Makin, Bob	The Use of Antiretroviral (ARV) Oral Suspension Pouches for PMTCT (using Nevirapine) in Resource Poor Settings

MENTORING

2014 – Present	Esther Liasi, PhD Candidate in Social and Behavioral Sciences (Tanzania)
2015 – Present	Zachary Tabb, MS4 Fogarty Fellow and IDSA Medical Scholars Program Recipient
2016 – Present	Rita Masese, Duke MScGH Candidate

INTERNATIONAL COMMITTEES

2015 –Present	International Maternal, Pediatric, Adolescent, AIDS Clinical Trials Network (IMPAACT), Co-chair for Complications sub-committee International Mental Health Intervention Group, Concept 5011
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SELECTED LECTURES

2014	Duke Global Health Institute: Pediatric HIV in Tanzania, Implications of Mental Health on ART Adherence and Virologic Outcomes
2014	Health Policy and Global Health Speaker: Forum of the Medical School Class of 2017
2015	Pediatric Resident Conference: Pediatric HIV, Perspectives from Tanzania: Is an AIDS free generation possible?
2015	Social and Behavioral Sciences Symposium, Moshi, Tanzania: Adolescent HIV in Tanzania: Implications of Mental Health on ART Adherence and Virologic Outcomes
2015	KCMC Grand Rounds Clinical Conference: Adolescent HIV in Tanzania: Implications of Mental Health on ART Adherence and Virologic Outcomes
2016	Social and Behavioral Sciences Symposium, Moshi, Tanzania: Evaluating A Mental Health Intervention to Improve Health Outcomes Among HIV-Positive Tanzanian Youth
2016	John Hope Franklin Center W@TC Lecture, Duke University: Adolescent HIV: How to Break the Mortality Wave

LICENSURE AND CERTIFICATIONS

MEDICAL LICENSURE

2009 – Present North Carolina Full Medical License (No. 2009-155961)
2011 – Present Tanganyika (Tanzania) Medical License (No. 4959)

BOARD CERTIFICIATION

2010 American Board of Pediatrics
2013 American Board of Pediatric Infectious Diseases