

BIOGRAPHICAL SKETCH

NAME	POSITION TITLE
Andrew G.A. Medina-Marino, Ph.D.	Head of Research, Foundation for Professional Development

Education/Training

INSTITUTION AND LOCATION	DEGREE (if applicable)	MM/YY	FIELD OF STUDY
Swarthmore College	BA	06/2000	Biology/Race Relations
California Institute of Technology	MS	06/2003	Molecular Biology
Johns Hopkins University, School of Public Health	Certificate	06/2006	Infectious Diseases
California Institute of Technology	PhD	06/2009	Molecular Biology
U.S. Centers for Disease Control and Prevention	EIS	06/2011	Field Epidemiology
University of Cape Town, South Africa	MPH	In Progress	Epidemiology/ Biostatistics

Personal Statement

Andrew G.A. Medina-Marino, Ph.D., is a molecular biologist and field epidemiologist. As founding Head of the Foundation for Professional Development's Research Unit, Dr Medina-Marino is currently leading four major research studies- 1) The Community PrEP Study (NIH R01) aims to leverage community-based platforms to improve young African women's access and adherence to pre-exposure prophylaxis, 2) The STI Screening for PMTCT Study (NIH R21) aims to integrate STI screening and treatment of HIV+ pregnant women into antenatal care services to decrease HIV transmission from mother-to-child, 3) The TB Omni Study (NIH R21) aims to investigate the acceptability and feasibility of home-based TB testing of household contacts using a new, mobile point-of-care technology, and 4) The Adolescent HIV Prevention Study (ASPIRES/USAID) is an RCT evaluating an intervention that integrates economic strengthening and HIV prevention programs for vulnerable youth in South Africa. As the Senior Technical Advisor for Disease Surveillance and Laboratory Systems, Dr. Medina-Marino worked directly with nine of South Africa's 52 health districts to 1) support the detection and respond to disease outbreaks, 2) increase the use of surveillance and DHIS data for decision making, 3) enhance pre- and post-analytical laboratory service systems at the clinic-lab interface.

Dr. Medina-Marino was twice deployed to West Africa where he worked with *Médecins Sans Frontières (MSF; a.k.a., Doctors without Borders)* to contain the 2014-2016 Ebola outbreak. While there, he led MSF-Brussels' disease surveillance, case investigation and contact tracing activities in affected communities. He also supported and optimized epidemiologic data flow from MSF Ebola Treatment Units to the Liberian Ministry of Health.

Prior to joining FPD, Dr. Medina-Marino was the Laboratory Branch Chief for the U.S. Centers for Disease Control and Prevention (CDC) in South Africa. Before moving to South Africa, Dr. Medina-Marino was a CDC Epidemic Intelligence Service (EIS). He was awarded the 2010 Donald C. Mackel Memorial Award given annually to the EIS officer that best exemplifies the effective application of a combined epidemiologic and laboratory approach to an investigation. As an EIS officer he participated in local, national and international outbreak investigations, including plague in Chicago, pertussis in an Amish community in Central Illinois, Legionnaires disease in Mississippi and child deaths due to lead poisoning in Nigeria.

Dr. Medina-Marino has conducted research into the molecular mechanisms of *Neisseria gonorrhoea* adherence and invasion at Rockefeller University, and immunological tolerance at the National Institute of Allergy and Infectious Diseases, NIH. He received his Ph.D. in Molecular Neuroscience from the California Institute of Technology (Caltech) where he was a Howard Hughes Medical Institute Pre-doctoral Fellow. He received his undergraduate degree from Swarthmore College where he studied biology and race relations.

Positions and Honors

Positions and Employment

1995 – 1996	Research Fellow, Rockefeller University
1999 – 2000	Research Fellow, Laboratory of Molecular Systematics, Smithsonian Institution
1997 – 2001	Founder/Editor-in-Chief, Journal of Young Investigators
2000 – 2001	Research Fellow, National Institute of Allergy and Infectious Diseases, U.S. NIH
2002 – 2008	Howard Hughes Medical Institute Fellow, California Institute of Technology
2009 – 2011	Epidemic Intelligence Service (EIS) Officer, Centers for Disease Control and Prevention
2012	Objective Review Panel Member, U.S. President's Emergency Plan for AIDS Relief
2011 – 2012	Chief, Laboratory Branch, U.S. Centers for Disease Control, South Africa
2014 – 2015	Epidemiologist, <i>Médecins Sans Frontières</i> , West Africa Ebola Response
2014 – 2017	Extraordinary Lecturer, School of Health Systems and Public Health, University of Pretoria, South Africa
2012 – 2018	Senior Technical Advisor, Disease Surveillance and Laboratory Systems Strengthening, Foundation for Professional Development
2018	Co-Chair, Public Health and Prevention Track, South African TB Conference
2014 – Present	Founding Head, Research Unit, Foundation for Professional Development
2016 – Present	Member, South African National TB Think Tank
2017 – Present	Co-Chair, Finding the Missing Cases Task Team, South African National TB Think Tank

Awards and Honors

1996	Research Fellow, U.S. Department of Energy
1998	Best Undergraduate Thesis, American Society for Cell Biology
1999	Research Training Award, Smithsonian Institution
2001	McCallum Research Award, California Institute of Technology
2001	Benjamin Rosen Graduate Fellowship, California Institute of Technology
2002	Ford Foundation Fellowship
2002	Howard Hughes Medical Institute Fellow
2010	Donald C. Mackel Award, Centers for Disease Control and Prevention

Invited Lectures

2017	Global Health Grand Rounds Lecture, Vanderbilt University
2011	Remsen Bird Lecture, Occidental College

Peer-reviewed Publications

1. Sweetland AC, Jaramillo E, Wainberg ML, Chowdhary N, Oquendo MA, **Medina-Marino A**, Dua T Tuberculosis: An opportunity to integrate mental health services in primary care in low-resource settings. *Lancet Psychiatry* 2018 Sept pii: S2215-0366(18)30347-X. doi: 10.1016/S2215-0366(18)30347-X
2. Morikawa E, de Vos L, Mudau M, Olivier D, Davey-Jones D, Klausner JD, **Medina-Marino A*** Acceptability and Feasibility of Integrating Point-of-Care Testing of Sexually Transmitted Infections into Antenatal Care Services in South Africa. *Infect Dis Obstet Gynecol*. 2018 May 9;2018:3946862. doi: 10.1155/2018/3946862. (*Senior Author)

3. Rhyne JM, Alexandra Mumbauer A, Rheeder P, Hall MN, Genkinger J, **Medina-Marino A***. The South African Rea Phela Health Study: A randomized controlled trial of communication retention strategies. PLoS One. 2018 May 24;13(5):e0196900. doi: 10.1371/journal.pone.0196900. (*Senior/ Corresponding Author)
4. Price CM, Peters RPH, Mudau M, Olivier D, De Vos L, Morikawa E, Kock MM, **Medina-Marino A**, Klausner JD. Prevalence and Detection of *Trichomonas Vaginalis* in Human Immunodeficiency Virus-Infected Pregnant Women. Sex Transm Dis. 2018 May; 45(5):332-336. doi: 10.1097/OLQ.0000000000000756. PMID: 29465686
5. Davey DJ, Peters RPH, Kojima N, Mudau M, De Vos L, Olivier D, McIntyre JA, Klausner JD, **Medina-Marino A**. Sexual behaviors of HIV-infected pregnant women and factors associated with sexual transmitted infection in South Africa. Sex Transm Dis. 2018 Apr 5. doi: 10.1097/OLQ.0000000000000847. [Epub ahead of print] PMID: 29624560 (*Senior Author)
6. Shannon CL, Bristow CC, Hoff N, Wynn A, Nguyen M, **Medina-Marino A**, Klausner JD Acceptability of Rapid Chlamydial, Gonococcal, and Trichomonal Screening and Treatment in Pregnant Women in Six Low-to-Middle Income Countries. Sex Transm Dis. 2018 Mar 9. doi: 10.1097/OLQ.0000000000000832
7. Mudau M, Remco Peters P, De Vos L, Olivier D, Joseph Davey D, Mkhwanazi E, McIntyre JA, Klausner JD, **Medina-Marino A***. High prevalence of asymptomatic sexually transmitted infections among Human Immunodeficiency Virus (HIV)-Infected pregnant women in a low-income South African community. Int J STD AIDS 2018 Mar;29(4):324-333. doi: 10.1177/0956462417724908 (*Senior/ Corresponding Author)
8. Ebonwu J, Mumbauer A, Uys M, Wainberg ML, **Medina-Marino A*** Determinants of late antenatal care presentation in rural and peri-urban communities in South Africa: a representative, cross-sectional study. PLoS One. 2018 Mar 8;13(3):e0191903. doi: 10.1371/journal.pone.0191903. eCollection 2018 (*Senior/ Corresponding Author)
9. Kweza PF, van Schalkwyk C, Abraham N, Uys M, Claassens MM, **Medina-Marino A*** Estimating the magnitude of missed pulmonary tuberculosis patients by primary health facilities, South Africa. Int J Tuberc Lung Dis 2018 Mar 1;22(3):264-272. doi: 10.5588/ijtld.17.0491. (*Senior/ Corresponding Author)
10. Peters RPH, Mudau M, Liteboho M, de Vos L, Klausner JD, Kock MM, **Medina-Marino A*** Laboratory reproducibility of Xpert® CT/NG and TV testing as performed by nurses at three primary healthcare facilities in South Africa. J Clin Microbiol. 2017 Oct 11. pii: JCM.01430-17. doi: 10.1128/JCM.01430-17 (*Senior/ Corresponding Author)
11. Mlotshwa M, Smit S, Williams S, Reddy S, **Medina-Marino A*** Evaluating the Electronic Tuberculosis Register Surveillance System in Eden District, Western Cape, South Africa, 2015 Glob Health Action. 2017;10(1):1360560. doi: 10.1080/16549716.2017.1360560. (*Senior/ Corresponding Author)
12. Mlotshwa M, Abraham N, Beery M, Williams S, Smit S, Uys M, Reddy C, **Medina-Marino A***. Risk factors for tuberculosis smear non-conversion in Eden district, Western Cape, South Africa, 2007-2013: a retrospective cohort study. BMC Infect Dis. 2016 Aug 2;16:365. doi: 10.1186/s12879-016-1712-y. PMID: 27484399 (*Senior/ Corresponding Author)
13. Adamson PC, Huchko MJ, Moss AM, Kinkel HF, **Medina-Marino A*** Acceptability and Accuracy of Cervical Cancer Screening Using a Self-Collected Tampon for HPV messenger-RNA Testing Among HIV-Infected Women in South Africa. PLoS One 2015 Sep 2;10(9):e0137299. doi: 10.1371/journal.pone.0137299. eCollection 2015. (*Senior/ Corresponding Author)

14. Soyemi K, **Medina-Marino A**, Sinkowitz-Cochran R, Schneider A, Njai R, McDonald M, Glover M, Garcia J, Aiello AE. Disparities among 2009 pandemic influenza A (H1N1) hospital admissions: a mixed methods analysis--Illinois, April-December 2009. PLoS One. 2014;9(4):e84380. Epub 2014/04/30. doi: 10.1371/journal.pone.0084380. PubMed PMID: 24776852; PubMed Central PMCID: PMC4002432.
15. **Medina-Marino A**, Reynolds D, Finley C, Hays S, Jones J, Soyemi K. Communication and mass vaccination strategies after pertussis outbreak in rural Amish communities-Illinois, 2009-2010. J Rural Health. 2013;29(4):413-9. Epub 2013/10/04. doi: 10.1111/jrh.12019. PubMed PMID: 24088215.
16. Dalhatu IT, **Medina-Marino A***, Olsen SJ, Hwang I, Gubio AB, Ekanem EE, Coker EB, Akpan H, Adedeji AA. Influenza viruses in Nigeria, 2009-2010: results from the first 17 months of a national influenza sentinel surveillance system. J Infect Dis. 2012;206 Suppl 1:S121-8. Epub 2012/11/28. doi: 10.1093/infdis/jis584. PubMed PMID: 23169957. (**Note: This was a co-first authored paper*).
17. Cardemil CV, Cortese MM, **Medina-Marino A**, Jasuja S, Desai R, Leung J, Rodriguez-Hart C, Villarruel G, Howland J, Quaye O, Tam KI, Bowen MD, Parashar UD, Gerber SI, Rotavirus Investigation Team. Two rotavirus outbreaks caused by genotype G2P[4] at large retirement communities: cohort studies. Ann Intern Med. 2012;157(9):621-31. Epub 2012/11/07. doi: 10.7326/0003-4819-157-9-201211060-00006. PubMed PMID: 23128862
18. Lo YC, Dooyema CA, Neri A, Durant J, Jefferies T, **Medina-Marino A**, de Ravello L, Thoroughman D, Davis L, Dankoli RS, Samson MY, Ibrahim LM, Okechukwu O, Umar-Tsafe NT, Dama AH, Brown MJ. Childhood lead poisoning associated with gold ore processing: a village-level investigation-Zamfara State, Nigeria, October-November 2010. Environ Health Perspect. 2012;120(10):1450-5. Epub 2012/07/07. doi: 10.1289/ehp.1104793. PubMed PMID: 22766030; PubMed Central PMCID: PMC3491928.
19. **Medina-Marino A**, Sheih W-J, Zaki S, Schriefer M, Molins C, Mead P, King B, Metzger K, Soyemi K, Conover C, Gerber S, Jones J, Weaver K, Black S, Ritger K, Centers for Disease Control and Prevention. Fatal laboratory-acquired infection with an attenuated Yersinia pestis Strain--Chicago, Illinois, 2009. MMWR Morb Mortal Wkly Rep. 2011;60(7):201-5. Epub 2011/02/25. PubMed PMID: 21346706.
20. Carlisle HJ, Luong TN, **Medina-Marino A***, Schenker L, Khorosheva E, Indersmitten T, Gunapala KM, Steele AD, O'Dell TJ, Patterson PH, Kennedy MB. Deletion of densin-180 results in abnormal behaviors associated with mental illness and reduces mGluR5 and DISC1 in the postsynaptic density fraction. J Neurosci. 2011;31(45):16194-207. Epub 2011/11/11. doi: 10.1523/jneurosci.5877-10.2011. PubMed PMID: 22072671; PubMed Central PMCID: PMC3235477. (**Note: This was a tri-first authored paper.*)
21. Whittall JB, **Medina-Marino A**, Zimmer EA, Hodges SA. Generating single-copy nuclear gene data for a recent adaptive radiation. Mol Phylogenet Evol. 2006;39(1):124-34. Epub 2005/11/30. doi: 10.1016/j.ympev.2005.10.010. PubMed PMID: 16314114.
22. Chen T, Grunert F, **Medina-Marino A**, Gotschlich EC. Several carcinoembryonic antigens (CD66) serve as receptors for gonococcal opacity proteins. J Exp Med. 1997;185(9):1557-64. Epub 1997/05/05. PubMed PMID: 9151893; PubMed Central PMCID: PMC2196295.

Submitted Manuscripts

1. Postpartum prevalence of Chlamydia trachomatis, Neisseria gonorrhoeae, and Trichomonas vaginalis among Human Immunodeficiency Virus-Infected women in South Africa and transmission of maternal infections to newborns. Mudau M, Kojima N, Peters RPH, Feucht U, De Vos L, Olivier D, Joseph Davey D, McIntyre JA, Comulada WS, Klausner JD, **Medina-Marino A*** (**Senior/ Corresponding Author*)

2. Factors Influencing STI Disclosure to Male Partners by HIV-Positive Pregnant Women in Pretoria Townships, South Africa: A qualitative study. Daniels J, De Vos L, Mogos W, Olivier D, Shamu S, Mudau M, Klausner JD, **Medina-Marino A*** (*Senior/ Corresponding Author)
3. Mixed methods evaluation of mental healthcare integration into tuberculosis and maternal-child care services across four South African districts. Lovero KL, Lammie SL, van Zyl A, Paul SN, Ngwepe P, Mootz JJ, Carlson C, Sweetland AC, Wainberg ML, **Medina-Marino A*** (*Corresponding Author)

Manuscripts in Preparation

1. **Medina-Marino A**, Kuwanda L, Nkhwashu N, Farirai T, Slabbert J, Guloba G, Johnson J Uptake of community-based HIV counseling and testing using a combination of modalities in thirteen high burden districts in South Africa.
2. **Medina-Marino A**, Kuwanda L, Nkhwashu N, Farirai T, Slabbert J, Guloba G, Johnson J Positivity rates for human immunodeficiency virus infection: A community-based counseling and testing program using a combination of modalities in thirteen high burden districts in South Africa.
3. **Medina-Marino A**, Mudau M, Kojima N, Comulada WS, Peters RPH, Feucht U, De Vos L, Olivier D, Joseph Davey D, McIntyre JA, Klausner JD Effect of Chlamydia trachomatis, Neisseria gonorrhoeae and Trichomonas vaginalis infection on Pregnancy outcomes among HIV-infected women in South Africa.
4. Mudau M, Kojima N, Peters RPH, Feucht U, De Vos L, Olivier D, Joseph Davey D, McIntyre JA, Comulada WS, Klausner JD, **Medina-Marino A** Persistent sexually transmitted infections despite appropriate treatment at the first antenatal visit among pregnant women with human immunodeficiency virus infection in South Africa.
5. Bresenham D, Kipp A, **Medina-Marino A** Validation of TB Stigma Scales for use with TB patients, TB presumptives, and community members in South Africa.

Oral Presentations

1. **A Medina-Marino**, P Kweza, C van Schalkwyk, N Abraham, M Claassens. Estimating the Magnitude of Missed Pulmonary TB Cases by Primary Health Care Clinics, Buffalo City Metropolitan Health District, Eastern Cape Province, South Africa. 48th Union World Conference on Lung Health. Guadalajara, Mexico (2017)
2. **A. Medina-Marino**, A. Mumbauer, T. Farirai, L.-G. Bekker, S. Johnson, N. Nkhwashu. High uptake of community-based HIV testing by adolescent girls and young women aged 15-24: Implications and Synergies for PrEP Roll Out? 9th International AIDS Society on HIV Science: Paris, France Abstract **TUAC0201** (2017)
3. **Medina-Marino A**, Mudau M, Remco Peters P, De Vos L, Olivier D, Joseph Davey D, Mkhwanazi E, McIntyre JA, Klausner JD. Acceptability and Feasibility of Integrating Diagnostic STI Screening in Antenatal Care Services. 8th South African AIDS Conference. Durban, South Africa (2017)
4. **Medina-Marino A**, Mudau M, Remco Peters P, De Vos L, Olivier D, Joseph Davey D, Mkhwanazi E, McIntyre JA, Klausner JD. High Prevalence and Incidence of STIs and Poor Test-of-Cure Outcomes Among HIV-Infected Pregnant Women in Soshanguve Township, South Africa: What Are the Next Steps? 8th South African AIDS Conference. Durban, South Africa (2017)
5. **Medina-Marino A.**, Adamson P, Hucko M., Kinkel HF. Performance of High-Risk Human Papillomavirus mRNA Testing on Self-Collected Tampons Among HIV-Infected Women in Pretoria, South Africa. 7th South African AIDS Conference. Durban, South Africa (2015)
6. **Medina-Marino A.**, West African Ebola Outbreak 2014 – ?????. 4th Bi-Annual Outbreak Control and Prevention Africa Conference. Fourways, South Africa (22-23 April, 2015)

7. **Medina-Marino A.**, Ebola Epidemic: Ethical Issues at the Coal Face. Steve Biko Centre for Bioethics, School of Public Health, University of Witwatersrand, South Africa (February 19, 2015)
8. **Medina-Marino A.**, Ebola in Liberia – When Will The Outbreak Stop? Invited Public Health Lecture, Sefako Makgatho Health Sciences University, South Africa (February 6, 2015)
9. **Medina-Marino A.**, The International Medical Community's Responsibility to The West African Ebola Outbreak. Invited Lecture, World Medical Association Annual General Assembly, Durban, South Africa (8 – 11, October 2014)
10. **Medina-Marino, A.**, Victims or Vectors? Ethics and Ebola. Special Panel Discussion, School of Health Systems and Public Health, University of Pretoria, South Africa (September 17, 2014)
11. **Medina-Marino A.**, Outbreak Investigations of Plaque in Chicago, Illinois and Lead Poisoning in Zamfara, Nigeria: From The Lab Bench to International Field Investigations. Remsen Bird Memorial Lecture, Occidental College, Los Angeles, California (April 21, 2011)
12. **Medina-Marino A.**, Fatal Laboratory-Acquired Infection with an Attenuated *Yersinia pestis* Strain—Illinois, 2009. International Conference on Emerging Infectious Diseases (ICEID), Atlanta, Georgia (2010)
13. **Medina-Marino A.** Fatal Laboratory-Acquired Infection with an Attenuated *Yersinia pestis* Strain—Illinois, 2009. 59th Annual EIS Conference (2010)

Poster Presentations

1. Mlotshwa M, Abrahams N, Beery M, Smit S, Williams S, Uys M, Reddy C, **Medina-Marino A.**, Risk factors for TB smear non-conversion in Eden District Municipality, Western Cape Province, South Africa, 2007-2013. 7th South African AIDS Conference. Durban, South Africa (June 9-12, 2015)
2. Mumbauer A, Pollak K, Wentzel R, Buthelezi P, **Medina-Marino A.**, Assessment of In-Clinic Laboratory Services in Four Districts of South Africa. 7th South African AIDS Conference. Durban, South Africa (June 9-12, 2015)
3. Abraham N, Adamson P, Crowley D, Nash T, Olivier D, Uys E, **Medina-Marino A.**, Assessment of Health Care Workers Performing Notifiable Disease Reporting, South Africa. 7th South African AIDS Conference. Durban, South Africa (June 9-12, 2015)
4. Kinkel HF, Adamson P, Hucko M, **Medina-Marino A.** Clinician versus self-collection of cervical specimens for cancer screening: A comparative study of HIV-Infected Women in Pretoria, South Africa. 7th South African AIDS Conference. Durban, South Africa (June 9-12, 2015)
5. Kinkel HF, Taylor LD, Marcus TS, **Medina-Marino A.**, Ebonwu J, Hugo J. The reproductive health status of adolescents assessed by Ward Based Outreach Teams (WBOTs): a cross-sectional study of nine communities in Tshwane District, South Africa. 7th South African AIDS Conference. Durban, South Africa (June 9-12, 2015)
6. Olivier D, Adamson P, Crowley D, Nash T, Abraham N, Uys E, **Medina-Marino A.**, Barriers to Reporting Notifiable Diseases by Primary Health Care Facilities, South Africa. 7th South African AIDS Conference. Durban, South Africa (June 9-12, 2015)
7. Adamson P, **Medina-Marino A**, Kinkel HF, Hucko M Acceptability of Cervical Cancer Screening Using a Self-Collected Tampon for HPV Testing Among HIV-Infected Women in Pretoria, South Africa. 6th Annual Consortiums of Universities for Global Health Conference. Boston, U.S.A. (March 26-28, 2015)
8. Adamson P, **Medina-Marino A**, Kinkel HF, Hucko M. Performance of High-Risk Human Papillomavirus messenger RNA Testing in Self-collected Tampons Among HIV-Infected Women in Pretoria, South Africa. 6th Annual Consortiums of Universities for Global Health Conference. Boston, U.S.A. (March 26-28, 2015)
9. **Medina-Marino, A.**, Soyemi, K., Ward, P., Agurrie, J. Tuberculosis Screening and Disease Among Resettled Refugees — Illinois, 1988–2009. 3rd North American Congress of Epidemiology. Montreal, Canada (June 21-24, 2011)

10. **Medina-Marino A.** and Kennedy M (2007). Dynamic Translocation of α CaMKII in Hippocampal Neurons. Howard Hughes Medical Institute Annual Fellows Meeting, Bethesda, MD (2007)
11. **Medina-Marino A.**, Weaver VM, Bissell MJ. Increased Activation of Epidermal Growth Factor Receptor in Premalignant HMT 3522 Mammary Epithelial Cells Disrupts Polarity of Integrins: Elucidation of a Potential Aberrant Cross Talk Pathway During Breast Cancer Progression. Society for the Advancement of Chicanos and Native Americans in Science. Washington, DC (October 15-18, 1998)
12. **Medina-Marino A.**, Weaver VM, Wang F and Bissell MJ (1997) Perturbations of Integrin Receptors Precludes Malignant Transformation in HMT 3522 Mammary Epithelial Cells: A Culture Model of Human Breast Cancer Progression. 37th Annual Meeting of The American Society for Cell Biology. Washington, DC (December 13-17, 1997)
13. **Medina-Marino A.**, Chen T, Grunert F, Gotschlich EC. Carcinoembryonic Antigen (CD66e) on Human Cervical Cells serves as a Receptor for Gonococcal Opacity Proteins. 97th General Meeting of The American Society for Microbiology. Miami Beach, Florida (May 4-8, 1997)

Ongoing Research Support

Bill and Melinda Gates Foundation PI: Medina-Marino 10/05/2018 – 09/05/2019
 Title: Engaging Communities to Improve Access to HIV Prevention Services
 Goals: Establish and engage Community Advisory Boards (CABs) to explore optimal strategies to improve coverage and uptake of HIV prevention services

1R01MH114648 (NIMH/NIH) PIs: Medina-Marino, Bekker 09/01/2017 – 08/31/2022
 Title: The Community PrEP Study: *Leveraging Community-based Platforms to Improve Access and Adherence to PrEP*
 Goals: 1) Assess YW's uptake of PrEP when delivered through large-scale community-based HIV counseling and testing (CBCT) platforms in urban and rural settings in South Africa
 2) Evaluate community-based scalable interventions to achieve prevention-effective adherence to PrEP among YW
 3) Evaluate the cost per YW initiated on PrEP and provided adherence support through community-based platforms, and the cost-effectiveness per incident HIV infection averted

NIH-Fogarty-D43TW009343 PI: Cohen 07/01/2017 – 06/30/2022
 Title: The University of California Global Health Institute (UCGHI)
 Goal: The UCGHI brings together UCSF, UCSD, UCLA and UC Davis, along with a network of 20 collaborating international institutions to form the UCGHI GloCal Health Fellowship (GloCal) training program.
 Role: Principal Investigator for South Africa

1U19MH113203 (NIMH/NIH) PIs: Wainberg, Oquendo 05/01/2017 – 04/30/2022
 Title: PRIDE SSA- Partnership in Research to Implement and Disseminate Sustainable and Scalable Evidence Based Practices in Sub-Saharan Africa
 Goals: 1) In partnership with policy makers, conduct rigorous scale-up research to identify and implement the best task-sharing delivery pathway
 2) Train, develop and support a research network in sub-Saharan Africa
 3) Develop sub-Saharan Africa in-country formal capacity-building programs in mental health implementation science
 4) Establish an administrative structure to robustly support and oversee the scale-up research and capacity building components
 Role: 1) Team Lead, Data Coordination Unit, and 2) Seeds to PRIDE Leadership and Faculty Team

5R21EB023679 (NIBIB/NIH) PI: Medina-Marino 08/15/2016 – 05/31/2019
Title: Investigating the acceptability and feasibility of home-based TB testing of household contacts using a new, mobile point-of-care technology
Goals: 1) Determine the acceptability and feasibility of using point-of-care technology to perform home-based TB testing of household contacts of TB patients
2) Describe the outcomes of household contacts screened and tested for TB in their home compared to those screened and referred for testing in a health facility

AID-3569023-102-2015-02/03 (USAID) PI: Burke/ Site PI: Medina-Marino 08/01/2015 – 03/31/2019
Title: A randomized study evaluating an intervention integrating economic strengthening and HIV prevention programs for vulnerable youth in South Africa
Goals: 1) Assess whether the integration of an economic strengthening (ES) intervention with an HIV-prevention education intervention improves economic and health outcomes beyond singular interventions;
2) Estimate the resources required at the program level to support the ES and HIV-prevention education interventions; and
3) Describe whether the interventions were perceived as effective in addressing economic and health outcomes and to describe how and why the interventions were perceived as effective or not.

Recently Completed Research Support

AID-674-A-14-0006 (USAID) PI: Wolvaardt 09/13/2013 – 09/30/2018
Title: Communities Forward- A Comprehensive Community-Based HIV Prevention, Counselling and Testing Program for Reduced HIV Incidence
Goals: To conduct evaluations and implementation science activities in conjunction with implement of community-based HIV counselling and testing activities in 13 high burden districts throughout South Africa.
Role: Head of all research activities associated with CoAg

5R21HD084274 (NICHD/NIH) PIs: Medina-Marino, Klausner 09/23/2015 – 7/31/2018
Title: Pilot Study of STI Screening and Treatment for PMTCT
Goals: 1) Determine the acceptability and feasibility of screening and treating HIV-infected pregnant women for NG and CT at first antenatal care visit.
2) Describe longitudinal birth and infant outcomes for HIV-infected pregnant women screened for CT and NG in their first antenatal care visit.

HRH2030SA-2017-001 (Chemonics) PI: Medina-Marino 07/07/2017 – 04/15/2018
Title: *Employment preferences of health care workers providing HIV treatment and care services in South Africa*
Goals: 1) To better understand the preferences of health care workers providing HIV treatment and care services for employment in the public or private for-profit sector
2) To conduct a costing analysis of HIV service provision in the public sector through direct employment and private sector contracting

AID-674-A-12-00017 (USAID) PI: Wolvaardt 10/31/2012 – 12/31/2017
Title: Strengthening systems for better HIV/TB patient outcomes
Goals: To conduct evaluations and implementation science activities in conjunction with the implementation of health systems strengthening strategies focused on improving the quality of

service delivery across the following service areas: i) Adult and Paediatric ART, ii) MCH/PMTCT, iii) TB/HIV, iv) HCT/PICT, v) Supply chain management and vi) community mobilization and support.

Role: Head of all research activities associated with CoAg

Recently Submitted NIH Research Grants

R01 NIAID/NIH

PI: Medina-Marino, Kipp

Title: Investigating multi-level stigma and related social determinants on TB Case Finding and the Care Cascade

Goals: 1) Identify and assess individual-, household-, and community-level factors associated with presenting for TB testing, diagnosis and treatment initiation
2) Identify and assess individual-, household-, and community-level factors associated with retention in care and treatment outcomes
3) Qualitatively investigate the impact of social determinants, including stigma, on TB testing, diagnosis, treatment initiation and retention in care

R01 NIAID/NIH

PI: Medina-Marino, Klausner

Title: Evaluating STI Screening Interventions and the Vaginal Microbiome During Pregnancy to Improve Birth Outcomes

Goals: 1) Evaluate different screening strategies to decrease the burden of CT/NG/TV among pregnant women, and reduce adverse birth outcomes
2) Evaluate cost per pregnant woman screened and treated, cost of adverse birth outcomes, and cost-effectiveness per STI and DALY averted
3) Investigate the relationship between the vaginal microbiome and persistent Chlamydial infections in pregnant women