

CURRICULUM VITAE

GARY L. DARMSTADT, MD, MS

Associate Dean for Maternal and Child Health
Professor and Co-Director of Global Pediatric Research, Department of Pediatrics
Faculty Fellow, Center for Innovation in Global Health
Senior Fellow, Freeman Spogli Institute for International Studies
Member, Center for Population Health Sciences
Faculty Affiliate, King Center on Global Development
Faculty Affiliate, Stanford Program on Water, Health & Development
Affiliated Faculty Member, Woods Institute for the Environment
Member, Stanford Medicine Teaching and Mentoring Academy
Stanford University, Stanford, CA

ACADEMIC HISTORY

Colleges and Universities Attended

1985-1989	M.D., University of California, San Diego (UC San Diego)
1979-1982	M.S., Agronomy (Plant Physiology), University of Wisconsin, Madison
1975-1979	B.S., Crop Science, California Polytechnic State University (CPSU), San Luis Obispo (graduated with Highest Honors)

Residency, Fellowship and Executive Training

2013	Executive Education, Leadership for the 21st Century, Harvard Kennedy School, Boston, MA
2012-2013	Gear Up Program (Manager effectiveness training), Bill & Melinda Gates Foundation, Seattle, WA
2012	Executive Education, Leadership Decision Making: Optimizing Organizational Performance, Harvard Kennedy School, Boston, MA
1995-1997	Fellow, Division of Infectious Disease, Children's Hospital & Medical Center, University of Washington School of Medicine, Seattle, WA
1992-1994	Resident, Department of Dermatology, Stanford University School of Medicine, Stanford, CA
1982-1992	Resident, Department of Pediatrics, Johns Hopkins University School of Medicine, Baltimore, MD

Scholarships and Honors

2017-2018	Faculty Research Fellow, Clayman Institute for Gender Research, Stanford University
2017	Outstanding Alumnus, University of California, San Diego
2016	Society of Scholars, Johns Hopkins University
2015	Sidney Hurwitz Visiting Professor, 41 st Society for Pediatric Dermatology Meeting
2012	Top 10 Global Health Milestones of 2012, First Place: London Summit on Family Planning Ignites \$2.6 billion in Commitments, (PSI Impact Magazine, Issue 11, 2012.) http://psiimpact.com/impact-december-2012
2011	Holy Cow Award (for extraordinary contribution in Social and Behavioral Change initiatives within the foundation), Bill & Melinda Gates Foundation
2010	BRAVO Award (for most outstanding cross-program), India Project Team, Bill & Melinda Gates Foundation, Quarter 1, 2010; Annual award
2009	Paper of the Year nomination, British Medical Journal (for article in Pediatrics 2007;119:e330-e340)
2008	Paper of the Year, <i>The Lancet</i> (Lancet 2008;371:1936-1944)
2005	Best Poster, Countdown to 2015: Tracking Progress in Child Survival, London, UK
1998	International Congress of Neonatal Dermatology, Best Communication, The skin and nutritional problems of the newborn
1994	San Francisco Dermatologic Society Resident Forum, First Place, Role of essential fatty acid deficiency in malnutrition-associated dermatitis in patients with cystic fibrosis
1992	Johns Hopkins Francis F. Schwentker Research Award, Department of Pediatrics, JHU, Early indicators of the development of progressive acute graft-vs-host disease
1991	Johns Hopkins Francis F. Schwentker Research Award, Department of Pediatrics, JHU, Dermatitis as a presenting sign of cystic fibrosis

- 1989 UCSD Samuel B. Hamburger Memorial Research Award, Second Place, Autoimmune, luetic, & cytomegalovirus-induced sensorineural hearing loss
- 1989 Lange Medical Student Scholarship
- 1988 Weiss Scholarship, UC San Diego
- 1988 Secretary's Award for Innovations in Health Promotion and Disease Prevention, Honorable Mention, Establishment of community-based child abuse prevention services in North San Diego County
- 1987-1989 UCSD A. Baird Hastings Honor Society, (UC San Diego's Highest Honor for outstanding academic achievement, in lieu of Alpha Omega Alpha
- 1986 Morris and Evelyn Teitelbaum Medical Student Scholarship, UC San Diego
- 1986 NIH Summer Training Program Fellowship, Pediatric Oncology Division, National Cancer Institute, Molecular genetic studies of neuroblastoma
- 1979-1981 Graduate Fellowship, University of Wisconsin, Madison
- 1979 Student Research Speech Contest, California Weed Conference, First Place
- 1979 Gamma Sigma Delta (Agricultural) Honor Society
- 1979 Highest Honors, California Polytechnic State University (CPSU) Graduation
- 1975-1979 President's Honor List, CPSU
- 1978 Phi Kappa Phi Honor Society
- 1978 Western Growers Assurance Trust Scholarship
- 1978 American Society of Agronomy National Student Essay Contest, Third Place

Board Certification

1998 Board eligible, Pediatric Infectious Diseases, American Board of Pediatrics

1997 Diplomate, American Board of Dermatology (inactive)

1993 Diplomate, American Board of Pediatrics; re-certified 2001 (inactive)

Licenses to Practice

2006-2009 Maryland State Medical License #D0065314 (expired)

1995-2005 Washington State Medical License #32454 (expired)

1992-1995 California State Medical License #G74123 (expired)

Employment

Faculty Positions

2015-present Associate Dean for Maternal and Child Health, Professor and Co-Director of Global Pediatric Research, Department of Pediatrics, Stanford University School of Medicine, Stanford, CA

Additional appointments: Professor, Department of Obstetrics and Gynecology (by courtesy); Faculty Fellow, Center for Innovation in Global Health; Senior Fellow, Freeman Spogli Institute for International Studies; Faculty Research Fellow, Clayman Institute for Gender Research (2017-2018)

Additional affiliations: Member, Stanford Center for Population Health Sciences; Faculty Affiliate, Stanford King Center on Global Development; Affiliated Faculty Member, Stanford Woods Institute for the Environment; Member, Stanford Medicine Teaching and Mentoring; Faculty Affiliate, Stanford Program on Water, Health & Development

Develop and direct research programs in global women's and children's health, and mentor and teach the next generation of global health leaders.

2005-2008 Associate Professor, Department of International Health; Founding Director, International Center for Advancing Neonatal Health, Bloomberg School of Public Health, The Johns Hopkins University (JHU), Baltimore, MD

Develop, direct and represent Departmental programs for research

and training in neonatal health in developing countries. Director of the Johns Hopkins International Center for Advancing Neonatal Health, aimed to 1) Develop, evaluate, disseminate and promote state-of-the-art, cost-effective interventions to prevent neonatal deaths and manage diseases in the poorest areas of the world where the vast majority of newborn deaths occur, 2) Build capacity in neonatal health and train global leaders to advance the state-of-the-art in neonatal health policy, programs and research in their countries, 3) Advocate for evidence-based solutions and for funding to implement them, and 4) Communicate developments with a broad range of policy makers, health program planners and the scientific research community. Instructor for courses in the Bloomberg School of Public Health: 1) Introduction to International Health and 2) Issues in Maternal and Neonatal Mortality Reduction in Developing Countries.

2002-2004

Assistant Professor, Department of International Health, Bloomberg School of Public Health, The Johns Hopkins University (JHU), Baltimore, MD

Develop and direct Departmental programs for research and training in neonatal health in developing countries. Instructor for courses in the Bloomberg School of Public Health: 1) Introduction to International Health and 2) Issues in Maternal and Neonatal Mortality Reduction in Developing Countries.

1998-2002

Adjunct Assistant Professor, Division of Community Health and Health Systems, Department of International Health, Bloomberg School of Public Health, The Johns Hopkins University (JHU), Baltimore, MD

Contribute to Departmental research and teaching programs in neonatal health.

1999-2000

Assistant Professor, Division of Infectious Disease, Rheumatology & Immunology, and Division of Dermatology, Department of Pediatrics, Children's Hospital & Regional Medical Center; and Division of Dermatology, Department of Medicine, University of Washington School of Medicine, Seattle, WA

Conduct research on the pathogenesis of streptococcal skin infections using tissue culture and mouse models and application of molecular genetic approaches, and on prevention and management of neonatal infections in developing countries; serve as attending physician on the pediatric infectious diseases and dermatology clinical services.

1998-1999

Acting Assistant Professor, Division of Infectious Disease,

Rheumatology & Immunology, and Division of Dermatology, Department of Pediatrics, Children's Hospital & Regional Medical Center; and Division of Dermatology, Department of Medicine, University of Washington School of Medicine, Seattle, WA

Other Appointments

- 2013-2014 Senior Fellow, Global Development Division, Bill and Melinda Gates Foundation, Seattle, WA
- Provide strategic counsel and identify opportunities for collaboration, learning and knowledge sharing across Global Development and Global Health; develop and implement a vision for programmatic work that addresses gender inequalities and women's and girls' empowerment, and that furthers the foundation's strategic role in advancing health and well-being for women and girls in low resource setting globally
- 2010-2013 Director, Family Health Programs, Global Development Division, Bill and Melinda Gates Foundation, Seattle, WA
- Develop and direct the foundation's strategy for Family Health, encompassing Maternal Newborn and Child Health (MNCH), Family Planning, and Nutrition. Serve on the Foundation Leadership Team and Advisory Group for Melinda Gates.
- 2008-2010 Interim Deputy Director, Strategic Project Team Lead, Maternal, Newborn and Child Health (MNCH), Integrated Health Solutions Development Division (IHSD), Global Health Program, Bill and Melinda Gates Foundation, Seattle, WA
- Direct the development and implementation of the foundation's strategy for MNCH, and head the MNCH Strategic Planning Team. Serve on the IHSD Leadership Team. Develop funding priorities and oversee grants to advance global neonatal health. Serve on the Pneumonia Strategic Planning Team. Serve as neonatal health technical advisor to foundation activities.
- 2008 Senior Program Officer (Feb-Sept), Newborn Health, MNCH Team Member, IHSD, Global Health Program, Bill and Melinda Gates Foundation, Seattle, WA
- Contribute to the development of the foundation's strategy for MNCH. Develop funding priorities and oversee grants to advance global neonatal health. Serve on the MNCH, the Pneumonia and the Neglected and Other Infectious Diseases Strategic Planning Teams. Serve as neonatal health technical advisor to foundation activities.

Non-Governmental Organizations

2000-2005 Senior Research Advisor, Saving Newborn Lives Initiative (SNL), Office of Health, Save the Children Federation-US, Washington, DC
Develop research agenda and oversee global research program in neonatal health for the \$50 million Saving Newborn Lives initiative funded by the Bill and Melinda Gates Foundation

Hospital Positions

1992-1994 Staff Pediatrician, Department of Pediatrics, Kaiser Permanente Medical Group, Hayward and Redwood City, CA
Attending physician on the general pediatric outpatient and inpatient clinical services

Research Funding and Participation

(Please note that while I was at the Bill and Melinda Gates Foundation from 2008-2014, I was a funder of research and did not seek funding as an investigator)

Present Funding

May 2019 – April 2020 Uncovering gender inequalities in East Africa: Using artificial intelligence to gain insights from media data, \$72,000, Stanford Human-centered Artificial Intelligence Institute, Principal Investigator.

Nov 2018 – Oct 2022 Women’s Empowerment Collectives (WEC) Research Consortium Global Data and Learning Partnership, \$375,633, American Institutes for Research (though a grant from the Bill and Melinda Gates Foundation), Principal Investigator.

Nov 2018 – Dec 2019 Landscaping women’s economic empowerment (WEE) in East Africa, \$449,211, Bill and Melinda Gates Foundation, Principal Investigator.

Jan 2019 – Dec 2020 Gender integration strategy support and product development, \$4,528,687, Bill and Melinda Gates Foundation, Principal Investigator.

Aug 2018 – Dec 2019 Incorporating a gender lens into philanthropy, \$94,640 (grant) + \$104,971 (contract), Bill and Melinda Gates Foundation, Principal Investigator.

Nov 2017 – Dec 2020 Determination of gestational age and preterm birth rates in low resource settings using newborn metabolic profiles, \$1,959,046, Bill and Melinda Gates Foundation, Principal Investigator.

Sept 2016 – Aug 2020 Reducing hospital-acquired infections (HAIs) in Bangladesh, Centers for Disease Control and Prevention, Principal Investigator.

Sept 2016 – Aug 2024	Creating a scalable model to end poverty: Delivery of an integrated childhood development strategy in rural China, \$998,865, The Enlight Foundation Fund, Principal Investigator.
Nov 2015 – Dec 2019	Next Generation of Gender Equality <i>Lancet</i> series, Three grants: \$750,000 + \$513,675 + \$269,170 = \$1,532,845, Bill and Melinda Gates Foundation, Principal Investigator.
Nov 2016 – Dec 2019	Learning from <i>Ananya</i> - Scaling up improved family health, \$1,303,119 + \$460,286 (supplement) = \$1,763,405, Bill and Melinda Gates Foundation, Principal Investigator.
June 2016 – May 2020	Reducing infectious disease exposure among school-aged children in developing countries: The WASH Up! Alliance. \$14,963, International Research Exploration Fund, Stanford Office of International Affairs; World Vision US, \$119,630 + \$478,671, Principal Investigator (OIA grant) and Co-PI (World Vision grant).
Apr 2019 – Sept 2021	Bringing it Home: Driving School-based WASH Messaging into the Household Environment, USAID, WASHPaLS-EOI-003, \$99,914, Co-investigator (Jenna Davis, PI)

Past Funding

2018-2019	Pilot study of skin barrier repair therapy for prevention of atopic diseases in young children in Bangladesh, \$50,000, Sean Parker Seed Grant Award, Stanford University, Principal Investigator.
2016-2019	Using existing data to investigate relationships between social norms and adolescent health behaviors and outcomes, \$1,115,013 (grant) + \$23,477 (policy dialogue contract) = \$1,138,490, Bill and Melinda Gates Foundation, Principal Investigator.
2017-2019	<i>Lancet</i> Series: The Next Generation of Gender Equality, \$1,982,499, Ministry of International Cooperation, United Arab Emirates, Principal Investigator.
2018-2019	Impact of a novel barrier repair therapy on the skin and gut microbiome and the prevention of atopic diseases in children in Bangladesh, \$48,711, Center for Innovation in Global Health, Stanford University, Principal Investigator.
2015-2019	Scaling up skin-to-skin care in Uttar Pradesh, India, 2015-2019, Grant from BMGF to World Health Organization to Community Empowerment Lab (see below), sub-award to Stanford University, \$40,201. Principal Investigator for sub-award, Co-investigator for overall grant (PI: Vishwajeet Kumar, Community Empowerment Lab, Lucknow India).
2016-2019	Population-based indicators of early child development, \$50,490, Bill and Melinda Gates Foundation grant to University of West Indies, sub-grant to Stanford University, Principal Investigator.

- 2015-2018 Putting Women and Girls at the Center of Development, Four grants: \$252,725 (2015) + \$225,225 (2016) + \$243,156 (2017) + \$241,959 (2018) = \$963,065, Bill and Melinda Gates Foundation, Principal Investigator.
- 2015-2018 Emollient therapy for severe acute malnutrition (SAM): Randomized controlled clinical trial in Bangladesh, \$275,000, Thrasher Research Fund, Principal Investigator (co-funded by Glaxo SmithKline through a grant for \$420,000 to icddr,b in Bangladesh, on which I was a co-PI).
- 2015-2018 A mobile and remote health initiative for the detection of Autism Spectrum Disorder in Bangladeshi children. \$99,994, Bill and Melinda Gates Foundation; \$50,000, Stanford Spectrum Pilot Grant, Co-PI (PI: Dennis Wall, Stanford University).
- 2017-2018 Use of mobile phone technology to prevent and redress gender-based violence (GBV) in Gujarat, India: Opportunities and barriers. Center for Innovation in Global Health Seed Grant, Stanford University School of Medicine, \$48,360 (an additional \$49,500 Stanford Spectrum Pilot Grant was given and then taken back due to inability to fund global research). Co-PI (PI: Dr. Jennifer Newberry, Stanford University).
- 2012-2018 Effect of a package of community-based essential newborn care, including skin-to-skin care, on neurodevelopment status at 7-9 years of age. Grand Challenges Canada, 2012 – 2018, \$988,056. Co-investigator (PI: Vishwajeet Kumar, Community Empowerment Lab, India). This is a follow-up study on the cohort of children who were enrolled in a randomized controlled trial to evaluate the effect of a package of essential newborn care on neonatal mortality in Shivgarh, India.
- 2016-2017 A study of risks and disparities for preterm birth using multilevel data from 2.7 million births, \$50,342, Child Health Research Institute, Department of Pediatrics, Stanford University School of Medicine, Co-investigator (PI: Ann Weber, Stanford University).
- 2015-2016 Support to identification of “Big Bets” in gender equality, \$41,500 (gift), Pivotal Ventures LLC, Principal Investigator.
- 2008-2009 Scales, procedures, and intervention programs for estimating the prevalence of childhood disability and autism in Bangladesh, 2008-2009, Autism Speaks, \$59,966, Co-Investigator (PI: Naila Z, Khan, Dhaka Shishu Hospital, Bangladesh).
- 2006-2009 Impact of umbilical cord cleansing with chlorhexidine on neonatal mortality and omphalitis in rural Sylhet district of Bangladesh, 2006-2009, Global Research Activity, USAID-Washington, \$2,780,431, Co-Investigator (Co-PIs: Abdullah Baqui, JHU, Shams El Arifeen, ICDDRDB).

- 2008-2010 Bacterial colonization of the neonatal umbilical cord and impact of 4.0% chlorhexidine cleansing on bacteriological profile of the umbilical cord of newborns in Sylhet District, Bangladesh, 2008-2010, Thrasher Research Fund, \$150,000, Co-investigator (PI: Luke Mullany, JHU).
- 2003-2008 Stillbirths: a comprehensive review of the numbers, causes of death and opportunities for policy and intervention, 2003-2008, Saving Newborn Lives Initiative (SNL) – Save the Children-US, \$119,500. Co-Principal Investigator (Co-PIs: Joy Lawn, Institute for Child Health; Zulfiqar Bhutta, Aga Khan University).
- 2002-2008 Community-based approaches to prevention, recognition and management of birth asphyxia in developing countries, 2002-2008, SNL - Save the Children-US, \$85,000. Co-Principal investigator (PI: Joy Lawn, Institute of Child Health, London).
- 2005-2008 Validation of verbal autopsy for ascertainment of cause of death in under-five children. 2005-2008, Bill and Melinda Gates Foundation, Grand Challenges Initiative (GC-13) (Part of an \$18.9 million award to Harvard University, University of Queensland, Australia, and JHU to advance measurement of population health), \$1,958,000, Co-Investigator (Overall project PI: Christopher Murray, Institute for Health Metrics and Evaluation, University of Washington).
- 2002-2008 Multicentre study of clinical signs predicting severe illness requiring hospitalization of young infants, 2002-2008, SNL - Save the Children Federation, \$300,542; WHO, \$230,000; Applied Research in Child Health (ARCH) through USAID, \$325,000. Study coordination team (with Martin Weber, WHO; David Hamer, ARCH; John Carlin, University of Melbourne, Australia).
- 2002-2008 Strategies for management of neonatal bacterial infections in developing countries: review and meta-analysis, 2002-2008, WHO, \$9,760. Co-Principal investigator (Co-PIs: Anita Zaidi, Zulfiqar Bhutta, Aga Khan University, Pakistan).
- 2002-2007 Etiology, prevention and treatment of neonatal infections in the community (Mirzapur, Bangladesh), 2002-2007, Wellcome Trust – Burroughs Wellcome Fund, Infectious Diseases Initiative 2000, \$1,602,079; Global Research Activity, USAID, \$549,640; SNL – Save the Children-US, \$35,462. Principal investigator.
- 2005-2008 Community-based validation of neonatal health assessments (Mirzapur, Bangladesh): IMCI and verbal autopsy, 2005-2008, Global Research Activity, USAID-Washington, DC, \$125,000. Co-Principal Investigator (Co-PIs, Abdullah Baqui, JHU; Shams El Arifeen, ICDDR, Dhaka, Bangladesh).
- 2001-2007 Community-based interventions to reduce neonatal mortality in Bangladesh (Sylhet), 2001-2007, USAID-Global, \$750,000, Dhaka

- Local Mission, \$685,393; SNL - Save the Children-US, \$1,015,483. Co-investigator (PI: Abdullah Baqui, JHU).
- 2006-2008 Integration of a postpartum birth-spacing program into a package of maternal and newborn care interventions in Bangladesh (Sylhet), 2006-2008, Global Research Activity, USAID-Washington, \$275,000. Co-investigator (Co-PIs: Abdullah Baqui, JHU; Shams El Arifeen, ICDDRDB).
- 2005-2006 Formative research to design a postpartum birth-spacing program for integration into a package of maternal and newborn care interventions in Bangladesh (Sylhet), 2005-2006, Global research Activity, USAID-Washington, \$186,253, Co-investigator (Co-PIs: Peter Winch, JHU; Abdullah Baqui, JHU; Shams El Arifeen, ICDDRDB).
- 2005-2006 Evaluation of a package of community-based interventions on maternal health in rural communities of Bangladesh (Sylhet), 2005-2006, Global Research Activity, USAID-Washington DC, \$300,000. Co-investigator (Co-PIs, Abdullah Baqui, JHU; Shams El Arifeen, ICDDRDB, Dhaka, Bangladesh).
- 2004-2005 Neonatal and environmental antibiotic use in rural Bangladesh: Determinants and relationship to antimicrobial resistant pneumococcal carriage strains among Bangladeshi neonates and household members (Sylhet), 2004-2005, Saving Newborn Lives Initiative (SNL) – Save the Children Federation, \$27,281. Co-Principal Investigator (Co PI: Abdullah Baqui, JHU).
- 2002-2007 Operations research to improve newborn health and survival in the Integrated Nutrition and Health Program (INHP) II area of CARE/India, 2002-2007, USAID India Mission, \$1,668,584. Co-investigator (PI: Abdullah Baqui, JHU).
- 2003-2007 Evaluations research of the nutrition interventions in the INHP II areas of CARE-India, 2003-2007, USAID India Mission, \$795,754. Co-investigator (PI: Michelle Dreyfus, JHU).
- 2007 Neonatal health research data analysis and dissemination, 2007, Global Research Activity, USAID-Washington, \$277,200, Principal Investigator.
- 2004-2007 Randomized controlled trial of intramuscular ceftriaxone versus procaine penicillin and gentamicin versus cotrimoxazole and gentamicin for the management of serious bacterial infections in young infants in community settings (Karachi, Pakistan), 2004-2007, Saving Newborn Lives Initiative (SNL) – Save the Children-US, \$113,500. Co-investigator (PIs: Zulfiqar Bhutta and Anita Zaidi, Aga Khan University, Karachi, Pakistan).
- 2004-2007 Development of IMCI for skin and cord infections in young infants (Karachi, Pakistan), 2004-2007, Saving Newborn Lives Initiative

- (SNL) – Save the Children-US (nested within above antibiotic comparison study). Co-Principal Investigator (Co-PI: Anita Zaidi, Aga Khan University, Karachi, Pakistan).
- 2007 Childhood disability in low and middle income countries: overview of screening, prevention, services, legislation and epidemiology, Thrasher Research Fund, 2007. \$20,000; March of Dimes, \$10,000; Save the Children-US, \$5,000; Wellcome Trust Burroughs Wellcome Fund, \$5000, Principal Investigator.
- 2007 Impact of topical therapy with Epiceram on skin barrier function in preterm infants, 2007, Faculty Innovation Fund, Bloomberg School of Public Health, Johns Hopkins University, \$30,000; Principal investigator.
- 2006-2007 Operations research to develop a coordinated, cost-effective health services delivery system for urban India, 2006-2007, USAID-India, \$246,960 (first year), Co-investigator (co-PIs: Abdullah Baqui, JHU; Siddharth Agarwal, Urban Health Resource Center, Delhi, India).
- 2006 Learning from implementation experience of the Urban Health Resource Center in urban slums of north India, 2006, USAID India Mission, \$54,529, Principal Investigator.
- 2002-2007 Newborn thermal care practices in rural India: a community-based program to prevent and improve recognition and management of hypothermia (Shivgarh), 2002-2007, SNL – Save the Children-US, \$150,255; USAID, \$550,530. Principal investigator.
- 2004-2006 Evaluation of the acceptability, safety and utility of skin-to-skin care of newborns in the community in rural Shivgarh, India, 2004-2006, Global Research Activity, USAID-Washington, DC, \$44,500. Principal Investigator.
- 2003-2006 Development and validation of a hand-held scale for categorizing birth weight in low-resource settings (Shivgarh, India and Sarlahi, Nepal), 2003-2006, Saving Newborn Lives Initiative (SNL) – Save the Children-US, \$105,594. Co-Principal investigator (Co-PI: Patricia Coffey, Program for Applied Technology in Health [PATH]).
- 2002-2007 Impact of newborn skin and umbilical cord cleansing with chlorhexidine on neonatal mortality and morbidity in southern Nepal: a community-based randomized trial (Sarlahi), 2002-2007, National Institute of Child Health and Development (NICHD), National Institutes of Health (NIH), \$1,743,813, Co-investigator (PI: James Tielsch, JHU).
- Substudy: Development of a questionnaire for determination of newborn care practices of traditional birth attendants in Sarlahi, Nepal.

- 2004-2006 Effect of chlorhexidine skin cleansing on skin flora of newborn infants at Dhaka Shishu Hospital, Bangladesh, 2004-2006, NICHD (funded through skin and cord cleansing study, above), \$11,941, Principal investigator.
- 2004-2007 Technical assistance to the Nepal Family Health Program, 2004-2007, USAID-Global, \$436,092, Co-investigator (PI: Abdullah Baqui).
- 1999-2002 Effect of topical ointment therapy on epidermal barrier function and prevention of infections in preterm infants in Bangladesh, 1999-2002. Thrasher Research Fund (\$122,482), USAID (\$70,100), and Society for Pediatric Dermatology (\$15,000). Principal investigator.
- 2003-2006 Effect of topical ointment therapy on epidermal barrier function and prevention of infections in preterm infants in Bangladesh: data analysis, 2003-2006. Thrasher Research Fund, \$14,338; USAID, \$20,713. Principal investigator.
- 2003-2007 Health status and neurodevelopmental outcomes of preterm low birth weight infants in Bangladesh, 2003-2007, Saving Newborn Lives Initiative (SNL) – Save the Children-US, \$48,014. Co-Principal Investigator (Co-PI: Naila Z. Khan, Dhaka Shishu Hospital, Bangladesh).
- 2002-2006 Multicentre study to determine extended-internal gentamicin dosing in neonatal patients for use in the Uniject pre-filled syringe, 2002-2006, Program for Appropriate Technology in Health (PATH), \$13,600. Principal investigator.
- 2005 Lancet neonatal survival series, 2005, USAID-Global, \$104,966. Principal Investigator
- 2002-2005 Improving pregnancy outcomes through positive deviance in Egypt, 2002-2005, SNL - Save the Children Federation. Co-investigator (PI: Jim Levinson, Tufts University), \$60,000.
- 2003-2005 Preventing perinatal morbidity and mortality by cleansing the birth canal with chlorhexidine during labour (Zimbabwe pilot study), 2003-2005. USAID and Centers for Disease Control and Prevention, \$50,000, Co-investigator (PI: Tsungai Chipato, Univ of Zimbabwe).
- 2001-2002 Global review of neonatal intervention trials: Implications for programs and research, 2001-2002, SNL – Save the Children Federation. Co-Principal investigator (Co-PI: Zulfiqar Bhutta, Aga Khan University), \$87,500.
- 2000-2002 Clinical performance of Binax NOW® *Streptococcus pneumoniae* test, 2000-2002, Binax, Inc. Co-investigator (PI: Samir K. Saha, Shishu Hospital, Bangladesh), \$8513.
- 2000-2001 Healthy Mother/Healthy Child Results Package, Task 5 (Research), Prevention of neonatal morbidity and mortality, 2000-2001, USAID-

- Egypt Local Mission, subcontract with John Snow Incorporated. Co-investigator (PI: Peter Winch, JHU), \$168,164.
- 1995-2000 Effect of zinc supplementation during pregnancy on infant birth weight, growth, morbidity and response to BCG in Bangladesh, 1995-2000, Royal Netherlands Government. Co-investigator (PI: Saskia JM Osendarp, Wageningen University, The Netherlands).
- 1999-2000 Epidemiology of varicella virus infection in Bangladesh, 1999-2000, SmithKline Beecham. Co-investigator (PI: Samir K. Saha, Shishu Hospital, Bangladesh), \$6,000.
- Series of grants as Principal Investigator to elucidate molecular mechanisms of group A streptococcal skin infections:
- 2000 1) Identification of group A streptococcal adhesins for attachment to keratinocytes to initiate skin infections, 2000, Howard Hughes Medical Institute Pilot Research Program Award. Principal investigator, \$25,000.
- 2000 2) Adherence of *Streptococcus pyogenes* to keratinocytes, 2000, Dermatology Foundation, Leaders Society Clinical Career Development Award. Principal investigator, \$55,000.
- 2000 3) Molecular mechanisms of group A streptococcal attachment to keratinocytes, 2000, Dermatology Foundation, Dermik Laboratories Research Grant, Principal investigator, \$10,000.
- 1998-1999 4) Adherence of *Streptococcus pyogenes* to keratinocytes, 1998-1999, Dermatology Foundation, Pfizer Inc. Clinical Career Development Award. Principal investigator, \$80,000.
- 1998-1999 5) Adherence of *Streptococcus pyogenes* to keratinocytes, 1998-1999, Child Health Research Center Award, University of Washington. Principal investigator, \$200,000.
- 1996-1998 6) Development of a mouse model for investigation of the molecular pathogenesis of group A streptococcal skin infection, 1996-1998, Children's Hospital & Medical Center, Seattle, Research Endowment Grant. Principal investigator, \$5000.
- 1995-1996 7) Role of epidermal injury and cytokines in *Streptococcus pyogenes* skin infection, 1995-1996, William Weston Research Grant, Society for Pediatric Dermatology. Principal investigator, \$15,600.
- Role: Responsible for study design, conduct of experiments, interpretation, analysis and presentation of results for the above 7 grants on mechanisms of streptococcal skin infections.
- 1987-1989 Development of a model for community-based child abuse

prevention services, 1987-1989, SmithKline Beckman Medical Perspectives Fellowship. Project coordinator, \$5650.

Role: Designed, developed and coordinated a community-based child abuse prevention program in North San Diego County.

1986-1987

North County child abuse prevention services, 1986-1987, American Medical Student Association Local Project Grant. Project coordinator, \$250.

Role: Designed, developed and coordinated a community-based child abuse prevention program in North San Diego County.

Teaching Responsibilities/Instruction

Courses/Classroom, Stanford University

2019

Instructor, Summer-19, PEDS 370-153 Medical Scholars Research, Tasnim Ahmed, Machine learning to aid in the screening and diagnosis of autism spectrum disorder in Bangladesh.

2019

Instructor, Spring-19, HUMBIO 199-08, Directed Reading/Special Projects, Justin Pojol Chang, Kevin Jung, James Reed, Design of programs to address hearing loss among homeless in the San Francisco Bay Area.

2019

Instructor, Spring-19, HUMBIO 194-09, Honors Independent Study, Marisa Willson, Maternal perception of the risk factors associated with low referral compliance in India

2019

Course lead instructor, Winter-19, HUMBIO 129S, Global Public Health

2018

Faculty advisor, Fall-18, MED 232: Conversations in Global Health (provided mentoring and technical input to two study teams working on reproductive health solutions for refugees in Lebanon)

2018

Lecturer, Fall-18, HUMBIO 28: Health Impact of Sexual Assault and Relationship Abuse across the Lifecourse, "Violence against Girls & Women at a Global Level"

2018

Instructor, Spring-18, PEDS-199-55, Undergraduate Directed Reading/Research (Individual Study), Marisa Willson, Maternal perception of the risk factors associated with low referral compliance in India

- 2018 Instructor, Spring-18, HUMBIO-199-08, Special Projects (Individual Study), Bena Tadesse Habtamu: Analysis of a community-based survey of health attitudes and behaviors in Yetebon, Ethiopia
- 2018 Instructor, Spring-18, PEDS 370-152, Medical Scholars Research (Individual Study), Courtney Jo Pedersen: Measurement of population-based prevalence and psychosocial impacts of atopic diseases in children in low-resource settings
- 2018 Instructor, Winter-18, PEDS-370-152, Medical Scholars Research (Individual Study), Courtney Jo Pedersen: Measurement of population-based prevalence and psychosocial impacts of atopic diseases in children in low-resource settings
- 2018 Course co-instructor, Winter-18, HumBio 129S, Global Public Health
- 2017 Instructor, Fall-17, PEDS-370-152, Medical Scholars Research (Individual Study), Courtney Jo Pedersen: Measurement of population-based prevalence and psychosocial impacts of atopic diseases in children in low-resource settings
- 2017 Lecturer, Fall-17, HumBio 28: Health Impact of Sexual Assault and Relationship Abuse across the Lifecourse, “Gender-based Violence and Gender Norms: Global Health Impact”
- 2017 Lecturer: Fall-17 HumBio 124C, Global Child Health, “Global Newborn Health”
- 2017 Instructor, Spring-17, PEDS-199-55, Undergraduate Directed Reading/Research (Individual Study), Sofia Singer: Factors in adherence and impact of Kangaroo Mother Care in low and middle-income countries
- 2017 Instructor, Spring-17, PEDS-199-08, Special Projects (Individual Study), Japsimran Kaur: Risk factors, prevention and management of gender-based violence in low-resource settings
- 2017 Instructor, Spring-17, PEDS-199-08, Special Projects (Individual Study), Eyasu Kebede: Risk factors, prevention and treatment of trachoma in Sub-Saharan Africa
- 2017 Instructor, Spring-17, HUMBIO-198-06, HUMBIO Senior Tutorial (Individual Study), Sophia Monaghan: Stigma and approaches to management of mental health in rural Africa

- 2017 Instructor, Spring-17, PEDS-370-152, Medical Scholars Research (Individual Study), Courtney Jo Pedersen: Measurement of population-based prevalence and psychosocial impacts of atopic diseases in children in low-resource settings
- 2017 Instructor, Spring-17, PEDS-370-55, Medical Scholars Research (Individual Study), Anne Erickson: Impact of a maternity waiting home on the health of mothers and newborns in Yetebon, Ethiopia
- 2017 Project Partner, Spring-17, ENVRES: Innovating Large Scale Sustainable Transformations (Faculty lead for design group on innovations in Kangaroo Mother Care)
- 2017 Lecturer, Spring-17: Global Health Education Program (fellows and residents), “Advancing Early Childhood Development: from Science to Scale”
- 2017 Course co-instructor, Winter-17, HumBio 129S, Global Public Health,
- 2017 Instructor, Winter-17, HUMBIO-198-06, HUMBIO Senior Tutorial (Individual Study), Sophia Monaghan: Stigma and approaches to management of mental health in rural Africa
- 2017 Instructor, Winter-17, HUMBIO 199-06, Special Projects (Individual Study), Japsimran Kaur: Risk factors, prevention and management of gender-based violence in low-resource settings
- 2017 Lecturer, Winter-17, MED 212, Methods for Health Care Delivery, “Scaling up Family Health Solutions”
- 2017 Lecturer: Pediatric Global Health Education Program, Global Child Health: “Thin Places”
- 2017 Instructor, Winter-17, PEDS-370-55, Medical Scholars Research (Individual Study), Anne Erickson: Impact of a maternity waiting home on the health of mothers and newborns in Yetebon, Ethiopia
- 2016 Instructor, Fall-16, PEDS-370-152, Medical Scholars Research (Individual Study), Anne Erickson: Impact of a maternity waiting home on the health of mothers and newborns in Yetebon, Ethiopia
- 2016 Lecturer, Fall-16, HumBio 28: Health Impact of Sexual Assault and Relationship Abuse across the Lifecourse, “Sexual Assault on a Global Level”

- 2016 Lecturer, Fall-16, MED 232, Discussions in Global Health, “Gender equality in health and development: does it matter?”
- 2016 Lecturer, Fall-16, HumBio 124C, Global Child Health, “Global Newborn Health”
- 2016 Instructor, Summer-16, PEDS-370-151, Medical Scholars Research (Individual Study), Anne Erickson: Impact of a maternity waiting home on the health of mothers and newborns in Yetebon, Ethiopia
- 2016 Instructor, Spring-16, PEDS-102-01, Ghana Impact Abroad in Public Health and Children's Health 2016, “International Health and Children's Health in Ghana”
- 2016 Instructor, Spring-16, HUMBIO-198-06, HUMBIO Senior Tutorial (Individual Study), Grace Klaris: Measurement of gender-based equity in decision-making in households in low-resource settings
- 2016 Instructor, Spring-16, PEDS-199-55, Undergraduate Directed Reading/Research (Individual Study), Jordan Burgess: Review of gender equality activities at Stanford University
- 2016 Instructor, Spring-16, PEDS-370-55, Medical Scholars Research (Individual Study), Anne Erickson: Impact of a maternity waiting home on the health of mothers and newborns in Yetebon, Ethiopia
- 2016 Lecturer: Global Health Education Program (fellows and residents), “Progress, Challenges, and Opportunities in Global Child Health”
- 2016 Lecturer, Fall-16, MED-233, Global Health: Beyond Diseases and International Organizations, “Progress, Challenges, and Opportunities in Global Child Health
- 2016 Course co-instructor, Winter-16, HumBio 129S, Global Public Health
- 2016 Instructor, Winter-16, PEDS 199-55, Undergraduate Directed Reading/Research (Individual Study), Gillian Raikes: Addressing “time poverty” of women and girls in rural, low-resource settings
- 2016 Lecturer, Winter-16, MED 212, Methods for Health Care Delivery, “Scaling up Family Health Solutions”
- 2016 Lecturer, Winter-16, HumBio 124C, Global Child Health, “Global Newborn Health”

- 2015 Lecturer, Fall-15, HumBio 28, Health & Medical Impact of Sexual Assault, “Global Sexual Assault”
- 2015 Instructor, Spring-15, PEDS 199-51, Undergraduate Directed Reading/Research (Individual Study), Gillian Raikes: Defining and measuring “time poverty” of women and girls in low-resource settings
- 2015 Lecturer: Pediatric Global Health Education Program, “Progress, Challenges, and Opportunities in Global Child Health”
- 2015 Lecturer, Spring-15, HumBio 124C, Global Child Health, “The Lancet Every Newborn”
- 2015 Lecturer, Winter-15, HumBio 129S, Global Public Health, “Global Newborn Health”

Courses/Classroom, John Hopkins University

- 2003-2007 Course co-instructor, Department of International Health, Introduction to International Health, IH 221.601.01,
- 2005-2007 Course co-instructor, Department of International Health, Issues in the Reduction of Maternal and Neonatal Mortality in Developing Countries, IH 221.627, Second term
- 2003-2005 Course instructor, Department of International Health, Health Systems Program Seminar Series, IH 221.860.01,
- 2003-2004 Lecturer, Department of International Health, Health Systems Program Seminar Series, IH 221.860.01, “Challenges in neonatal health”
- 2005-2006 Lecturer, Department of International Health, Health Systems Program Seminar Series, IH 221.860.01, “International Center for Advancing Neonatal Health”
- 2007 Lecturer, Department of International Health, Health Systems Program Seminar Series, IH 221.860.01, “Challenges in verbal autopsy”
- 2003-2004 Lecturer, Department of Population and Family Health Sciences, Maternal Health Care in Developing Countries, IH 221.627, “The effectiveness of antenatal care in maternal health and survival”
- 2002-2004 Lecturer, Department of Population and Family Health Sciences, Maternal Health Care in Developing Countries, IH 221.627,

“Priorities for advancing newborn health and survival in developing countries”

- 2005 Lecturer, Tropical Medicine and Hygiene Summer Institute, Child and Public Health in the Tropics, IH 223.686.11, “Global neonatal health”
- 2006-2007 Lecturer, Tropical Medicine Winter Institute, Child and Public Health in the Tropics, IH 223.686.11, “Global neonatal health”
- 2003-2004 Lecturer, Department of International Health, Global Disease Control Programs and Policies, IH 223.680, “Save the Children, Saving Newborn Lives Initiative”
- 2005-2007 Lecturer, Department of International Health, Global Disease Control Programs and Policies, IH 223.680, “Global neonatal health”
- 2004-2007 Lecturer, Department of International Health, “Neonatal infections in developing countries”, IH 223.663
- 2007 Lecturer, MPH Concentration in Infectious Diseases, Disease Control and Prevention Seminar, Prevention of neonatal infections
- 2005-2006 Lecturer, Mini-University, Department of International Health, “Global neonatal health”

Classroom, University of Washington

- 1995-1999 Lecturer, School of Medicine, University of Washington, Seattle, Human Biology 567, laboratory lecture and discussion, Normal skin examination

Research Conferences University of Washington

- 1995-2000 Division of Infectious Disease, Immunology and Rheumatology, Department of Pediatrics, University of Washington, Seattle, WA, twice yearly presentations
- 1995-2000 Division of Infectious Disease, Department of Pediatrics, Children’s Hospital and Regional Medical Center, Seattle, WA, quarterly presentations

Advisees

Undergraduate/MPH/MHS/MD Advisees (Stanford University)

- 2019 Katharine Rubin, Human Biology Faculty Advisor

2019	Sarah Johnson, Human Biology Faculty Advisor
2019	Sarah Klass, Human Biology Faculty Advisor
2019	Neha Sighu, Human Biology Faculty Advisor
2018-present	Redeat Gebeyehu, Human Biology Faculty Advisor, Senior undergraduate, Stanford Global Studies Internship; and Intern, Save the Children Kenya, Emollient use in Bungoma, Kenya
2019	Nikitha Vicas, Senior undergraduate (University of Texas at Dallas), Undergraduate Visiting Researcher Program at Stanford, Uncovering gender inequalities in East Africa: Using AI to gain insights from media data
2018-present	Tasnim Ahmed, Medical Student (Med Scholar), Machine learning to aid in the screening and diagnosis of autism spectrum disorder in Bangladesh
2018-present	Lauren Scampavia, Junior undergraduate (Northwestern University) Global Health Studies Independent Study 399 (Spring 2019) and Weinberg Undergraduate Summer Research Grant (Summer 2019), Sanitation and hygiene in primary schools in Uttar Pradesh India.
2019	Christine JiaRui Pu, Second-year graduate student, Tracking the Culprit: Quantifying Sources of Campylobacter Transmission Routes in Rural India
2018-2019	Nathan Pan-Doh, Senior undergraduate, Independent study, Storytelling Project, Strength in Beauty
2018-present	Ribhav Gupta, Senior undergraduate, Honors Thesis, Center for Democracy, Development and Rule of Law, Use of artificial intelligence methods to analyze major global health data bases for evidence of missing and biased data with regard to gender
2018-present	Emma Pair, Earth Science Co-Term Faculty Advisor, and Research Advisor, Mapping and analysis of the Ananya Program for improving maternal and child health in Bihar, India
2019	Justin Pojol Chang, Kevin Jung, and James Reed, Freshman undergraduates, Design of programs to address hearing loss among homeless in the San Francisco Bay Area
2018-2019	Jessica de al Paz, International Relations Faculty Advisor

2018-present	Kathleen Chang, Human Biology Faculty Advisor
2018-2019	Shannon Richardson, Human Biology Faculty Advisor
2018-present	Emalia Eichelberger, Human Biology Faculty Advisor
2018-present	Edric Zeng, Human Biology Faculty Advisor
2017-present	Cassidy Wiley, Human Biology Faculty Advisor
2017-present	Courtney Jo Pedersen, Medical student (Med Scholar), Measurement of population-based prevalence and psychosocial impacts of atopic diseases in children in Mirzapur, Bangladesh
2017-2019	Marisa Willson, Senior undergraduate, Human Biology Honors Thesis, Maternal Perception of the Risk Factors Associated with Low Referral Compliance Rate in Raebareli, India: A Qualitative Study
2017-2019	Rachel Mary Thomson, Human Biology Faculty Advisor
2017-2019	Vivien Nguyen, Human Biology Faculty Advisor
2017-2019	Eyasu Kebede, Senior undergraduate, Stanford University, Stanford Summer Equity Grant Program, Infection in the post-operative patient at Project Mercy Hospital, Yetebon, Ethiopia
2017-2018	Lauren Norheim, Senior undergraduate, Stanford University, Teaching Assistant, HumBio 129S, career advisor
2017-2018	Quentin Kyung Ho Chi, Junior undergraduate, Stanford University, G6PD deficiency in Ghana
2016-present	James Winter, Fulbright scholarship, Department of Civil and Environmental Engineering, Stanford University, Measuring the health, well-being, and water quality impact of transitioning from off-plot water sources to on-plot piped water sources for households in rural Zambia
2017	Japsimran Kaur, Junior undergraduate, Halper Fellowship, Stanford University, Impact analysis of a gender-based violence helpline in Gujarat, India
2017	Becky Peoples, Junior undergraduate, Human Biology Research Exploration (HB-REx) Internship, Stanford University, Gender-based differences in the influence of protective factors on adolescent suicide ideation

- 2017 Sophia Monaghan, Senior undergraduate, Stanford University, Literature review on approaches to improving performance of primary health care systems in low and middle-income countries
- 2017 Sofia Singer – Junior undergraduate, Human Rights Fellowship, WSD Handa Center for Human Rights and International Justice, Stanford University, Barriers to adherence to Kangaroo Mother Care in health facilities and post-discharge in households in Uttar Pradesh, India
- 2017 Heman Gill, Sophomore undergraduate, Stanford University, Incentives for mothers to provide facility-based and post-discharge Kangaroo Mother Care in Uttar Pradesh, India
- 2017 Karen Lee, Co-term (Masters) student, Stanford University, Orphan care in China
- 2017 Solana Chertow, Sophomore undergraduate, Washington University-St. Louis, Institutionalization of gender inequalities in health systems
- 2016-2017 Vivian Ho, Senior undergraduate (2016), Halper Fellowship, Stanford University, Safe Mother Safe Babies: health education in Eastern Uganda through storytelling; Fulbright scholarship (2017), Establishment of sustainable health education models to reduce maternal mortality in Eastern Uganda (2016)
- 2016 Elle Billman, Sophomore undergraduate, Undergraduate Advising and Research Small Grants Internship, Stanford University, Gendered social norms and their impacts on health
- 2016 Audrey Huynh, Sophomore undergraduate, Undergraduate Advising and Research Small Grants Internship, Stanford University, Gendered social norms and their impacts on health
- 2016 Leigh Pomerantz, Sophomore undergraduate, Stanford University, Gendered social norms and their impacts on health
- 2016-2019 Elizabeth Hyde, MS2 Student, Women’s time-poverty: key dimensions and potential solutions
- 2015-2016 Gillian Raikes, Senior undergraduate, PEDS 199 Independent study to define women’s “time poverty,” including key dimensions and potential solutions.
- 2015-2016 Grace Klaris, Senior undergraduate, Stanford University, Fulbright Research Scholarship, Uttar Pradesh, India, Putting the Mother First:

An In-depth Qualitative Study on Exclusive Breastfeeding in Uttar Pradesh (2016); Cultural barriers to skin-to-skin care (in collaboration with Community Empowerment Lab, Uttar Pradesh, India (2015)

2015-2016 Jordon Burgess, Senior undergraduate, Stanford University, Survey of gender equality education and research at Stanford

2015 Sophie Wang, Senior undergraduate, Princeton University, Internship in global maternal and child health

Pre-major Advisees (Stanford University)

2017-2018 Pre-major advisor to:
Sophomores: Jose Gonzales-Mendoza, Mitchell So, Roshni Thachill, Zoe Mhungu, Jasmine Heu, Heman Gill.

2016-2017 Pre-major Advisor to:
Freshman: Jose Gonzales-Mendoza, Mitchell So, Roshni Thachill, Zoe Mhungu, Jasmine Heu, Herman Gill.
Sophomores: Elle Billman, Steven Doan, Daniel Alber, Julia Sakowitz, Tami Alade, Andrew Bueno

2015-2016 Pre-Major Advisor to:
Freshman: Elle Billman, Steven Doan, Daniel Alber, Julia Sakowitz, Tami Alade, Andrew Bueno

Clinical Research Advisees (Stanford University)

2017-2019 Natalie Fischer, Postdoctoral Scholar, Department of Medicine/Infectious Diseases, School of Medicine (with Dr. David A. Relmann), Impact of topical emollient therapy with sunflower seed oil on gut microbiome and immune function: a) in young children with severe acute malnutrition in Dhaka, Bangladesh, and b) as a preventive measure to prevent onset of atopic diseases in Mirzapur, Bangladesh

2017 Megan Foeller, Fellow, Department of Obstetrics & Gynecology Maternal Fetal Medicine, Impact of Kangaroo Mother Care on maternal mental health (e.g., postpartum depression) and stress levels, including measures of cortisol and oxytocin

2015 Daniel Tawfik, PICU Fellow, Correlation of results from the Safety Attitudes Questionnaire with data on quality improvement metrics in NICU members of the California Perinatal Quality Care Collaborative (I served as a faculty advisor with Jochen Profit and Henry Lee)

- 2015 Marianna Kiraly, Research Associate, Molecular and Cellular Physiology, (I served as Chair of the Advisory Board for her company, Neuroecho)
- PhD/Doctoral Thesis Committee (Stanford University)
- 2018-2019 Janaina Calu Costa, PhD candidate, Fulbright scholarship, Federal University of Pelotas, Pelotas, Brazil (in residence at Stanford 2018 – 2019, co-advisor with Professor Cesar Victora at University of Pelotas), Levels and determinants of excess female mortality among children under five years of age in low- and middle-income countries
- 2016-present James Winter, Department of Civil and Environmental Engineering, School of Engineering. Evaluating the effectiveness and mechanisms of WASH education and water supply interventions in rural Zambia
- Postdoctoral Advisees (Stanford University)
- 2016-2017 Ann Weber, Postdoctoral Scholar, PhD, Department of Pediatrics, School of Medicine.
- Academic Fellow Advisees (Stanford University)
- 2018-present Devika Bushan, Academic General Pediatrics Fellow, Using virtual reality to advance gender equity
- Junior Faculty Advisees (Stanford University)
- 2018-2019 Ann Weber, PhD, Instructor, Department of Pediatrics, School of Medicine, multiple projects
- 2016-present Jennifer Newberry, MD, JD, Department of Emergency Medicine, KL2 Award, Impact analysis of a comprehensive gender-based violence helpline in Gujarat, India
- Undergraduate/MPH/MHS Advisees (JHU)
- 2007-2008 Lindsay Hatzenbuehler, Masters of Public Health. Validity and utility of clinical assessment of jaundice by first-line health workers in Pakistan (Capstone Project)
- 2000-2008 Farha Marfani, Public Health Undergraduate Honors Program, JHU, June 200–Feb 2008. Effect of topical emollient therapy on infections in preterm neonates (Thesis)
- 2007-2008 Rachel Keefe, Masters of Public Health (Distance program), JHU

- 2007 Catherine Distler, Candidate, Doctor of Medicine, School of Medicine, Johns Hopkins Medical Institutions, Summer intern, Shivgarh, India. Beliefs and practices associated with oil massage of newborns in a rural community of India: implications and potential role in home-based newborn care interventions
- 2007 Candace Feldman, Masters of Public Health, JHU. Understanding the relationship between women's participation and health in Uttar Pradesh, India (Capstone project; MD thesis at Yale University)
- 2006-2007 Ishveena Duggal, Public Health Undergraduate Honors Program, JHU. Nutritional skin disorders and impact of maternal zinc supplemental zinc on incidence of skin infections among infants during the first 6 months of life (Thesis)
- 2006-2007 Sudhir Khanal, Humphrey Fellow, Department of Mental Health, Johns Hopkins Medical Institutions. 1) Factors in the translation from national neonatal health policy to programs, 2) Incidence of skin infections in rural Sarlahi, Nepal
- 2006-2007 Jessica Shearer, Masters of Health Sciences, JHU. Analysis of impact of community-based neonatal health interventions in Shivgarh, India (Thesis)
- 2006-2007 Anne CC Lee, Masters of Public Health, JHU. 1) Assessment of incidence of omphalitis in the community in Pemba, Tanzania, 2) Risk factors for birth asphyxia in rural Sarlahi, Nepal (Capstone Award)
- 2006-2007 Rebecca Rosenberg, Masters of Public Health, JHU. 1) Assessment of incidence of omphalitis in the community in Pemba, Tanzania, 2) Development of neonatal mortality and neonatal sepsis risk scoring systems for preterm infants in Bangladesh (Capstone project)
- 2006-2007 Mignon Metcalf, Candidate, Masters of Public Health, JHU. Impact of topical zinc oxide on incidence of *Candida* skin infection (Capstone project)
- 2005-2006 Evelyn Rong, Masters of Public Health, JHU
- 2004-2006 Abigail Thomas, Masters of Health Sciences, JHU. Management strategy for a community-based essential newborn care project in Uttar Pradesh, India (Thesis)
- 2004-2005 Zohra Patel, Masters in Health Sciences. Adaptation of perinatal death audit for use in the community in Uttar Pradesh, India (Thesis)
- 2003-2005 Elizabeth Cristofalo, M.D., Masters of Public Health, JHU

Doctoral Student Advisees (JHU)

- 2006-2008 Emma Sachs, Candidate, Doctorate in Public Health, JHU. Acceptability and utility of gentamicin-Uniject in the treatment of neonatal sepsis
- 2005-2008 Rachel Haws, Candidate, Doctorate in Public Health, JHU. Socio cultural attitudes toward stillbirth among women in Pemba, Tanzania (Thesis)
- 2005-2008 Zohra Patel, Candidate, Doctorate in Public Health, JHU. Healthcare seeking behavior for neonatal morbidities in Meerut City, Uttar Pradesh (Thesis)
- 2003-2006 Jeffrey Willis, Doctorate in Public Health, JHU. Perceived neonatal morbidities and healthcare utilization for neonatal health in rural Uttar Pradesh, India: effects of a behavior-change communication intervention (Thesis)
- 2001-2005 Luke Mullany, Doctorate in Public Health, JHU. Impact of newborn skin and umbilical cord cleansing with chlorhexidine on neonatal mortality and morbidity in southern Nepal: a community-based randomized trial (Thesis)

Doctoral Thesis Committee (JHU)

- 2007 Summer Rosenstock, PhD, Investigation of Gender and Sex Differentials in Neonatal Mortality, Morbidity and Immunology in Developing Countries in South Asia
- 2007 Victoria B. Chou, PhD, Department of International Health, JHU, The impact of young maternal age on short-term and long-term outcomes of maternal and infant health in rural Nepal
- 2006 Susan Baird, PhD, Department of Population and Family Health Sciences, JHU, The impact of socioeconomic status, race and caregiver-infant interaction on preterm infant development
- 2006 Marni Laverentz, PhD, Department of International Health, JHU, Assessment of supply and demand for maternal health services in Eritrea: strategies for improvement
- 2004 Sara Holtz, DrPH, Department of Population and Family Health Sciences, JHU, Relationship between cesarean delivery and newborn outcomes in developing countries

Clinical Research Advisees (JHU)

- 2007 Sally Schlippert, Master of Health Sciences, JHU, Internship research: 1) Cost effectiveness of topical emollient therapy in very low birth weight infants in Bangladesh; 2) Cost effectiveness of preventive essential newborn care in Uttar Pradesh, India
- 2007 Tricia Louise Vannatter, Master of Health Sciences, Emory University, internship: Formative research on strategies for introducing maternal death inquiry as an intervention in Uttar Pradesh, India
- 2007 Katie Williams, Masters of Health Sciences, JHU, Internship research: Hypothermia and thermal care in Uttar Pradesh, India: analysis of continuous temperature tracings of mothers and newborns in the home
- 2007 Catherine Distler, Doctor of Medicine Candidate, JHU, Summer research internship in Shivgarh, Uttar Pradesh, India: Strategies for community-based introduction of topical emollient therapy for newborns
- 2007 Ina Wu, Masters in Public Health, JHU. Reproductive tract disorders among Afghan refugees in Pakistan (Capstone project)
- 2006-2007 Tina Falle, Masters in Health Sciences, JHU. Knowledge, attitudes and practices of traditional birth attendants in the southern plains of Nepal (Thesis)
- 2006-2007 Divyashakt Divyashakti, Masters in Public Health, JHU. Use of photographs to estimate incidence of omphalitis in the community in Pemba, Tanzania (Capstone project)
- 2006-2007 Silvana Faillace, Masters in Public Health, JHU. Incidence of omphalitis in the community in Pemba, Tanzania (Capstone project)
- 2006-2007 Candace Feldman, Masters in Public Health, JHU. Assessing the health consequences of women's community-level political participation in Shivgarh, Uttar Pradesh, India (Capstone project)
- 2006-2007 Amitha Kalaichandran, Masters in Health Sciences, JHU. Incidence of omphalitis in rural Sylhet, Bangladesh, and impact of cord cleansing with chlorhexidine on cord separation time (Internship)
- 2006-2007 Margaret Brewinski, Masters in Public Health, JHU. Incidence of skin infections in rural Sarlahi, Nepal
- 2003-2004 Nandita Thatte, Masters in Health Sciences, JHU. Development of a questionnaire to determine newborn care practices of traditional birth attendants in Sarlahi, Nepal (Internship)

- 2005 Leila Sabet, Masters of Public Health, JHU. Literacy and Health Education, Matagalpa, Nicaragua (Capstone project)
- 2002 Sonia Walia, Masters of Public Health, JHU. Management of acute respiratory infections at Shishu (Children) Hospital, Dhaka, Bangladesh (Capstone project)
- 2000-2001 Chitra Krishnan, Masters of Public Health, JHU. a) Review of evidence for impact of community-based neonatal interventions. b) Validation of neonatal verbal autopsy
- 1999 Beth D. Kaufman, M.D., Resident, Department of Pediatrics, Johns Hopkins, research elective. Effect of topical ointment therapy on epidermal barrier function and prevention of infections in preterm infants in Bangladesh
- 1999 Beverley Robin, M.D., Resident, Department of Pediatrics, Johns Hopkins, research elective. Effect of topical ointment therapy on epidermal barrier function and prevention of infections in preterm infants in Bangladesh
- 1999 Paul Law, M.D., Resident, Department of Pediatrics, Johns Hopkins, research elective. Effect of topical ointment therapy on epidermal barrier function and prevention of infections in preterm infants in Bangladesh

Laboratory Research (UW)

- 1999-2000 James G. Dinulos, M.D., Senior Research Fellow, Department of Medicine, University of Washington. Antimicrobial peptide expression by keratinocytes in response to bacterial infection

Clinical Advisees (UW)

- 1999-2000 James G. Dinulos, Resident, Division of Dermatology, Department of Medicine, University of Washington, pediatric dermatology continuity clinic

Public and Professional Service

Special National and International Responsibilities

Advisory Panels and Boards

- 2019 Scientific Advisory Team, Avadim Health
- 2019 Advisory Board, The 2030 Collaborative

2018-present	Advisory Group, World Health Organization Global Scales of Early Development Project
2018-present	UNICEF Specialist Advisor, Children with Developmental Delays and Disabilities
2018-present	Global Mental Health External Advisory Board, University of Washington
2018-present	Advisory Group, Research prioritization of maternal, newborn, child and adolescent health (MNCAH) in humanitarian emergencies, World Health Organization
2015-2019	Chair, Steering Committee, <i>The Lancet</i> Series on Gender Equality, Norms and Health
2017-2019	Advisory Council, Global Health 50/50
2016-present	Pediatric Infectious Diseases Society (PIDS) Liaison to the Infectious Diseases Society of America (IDSA)
2016-present	Steering Committee, Coalition for Centres in Global Child Health
2016-2018	Program Planning Committee, Pediatric Academic Society
2016-2017	Steering Committee, Reproductive Maternal Newborn Child Health and Nutrition Care in Humanitarian Crises
2016-present	Member, Global Hygiene Council
2015-present	Advisory Board, Maternal and Child Health, World Health Organization, South East Asia Region
2015-2016	Advisory Group, <i>The Lancet</i> series on Ending Preventable Stillbirths
2015-2016	Expert Advisory Group, Aetiology of Neonatal Infections in South Asia (ANISA), PI: Samir Saha, Child Health Research Foundation, Dhaka, Bangladesh
2015-2017	Global Steering Committee, Public-Private Partnership to Prevent Preterm Birth
2013-2017	Executive Committee, Forum on Investing in Young Children Globally, Institute of Medicine
2011-2017	National Academy of Medicine, Global Health Advisory Board

2013-present	Project Mercy, Board of Directors (Chair, 2017-present)
2010-2015	Agros International, Board of Directors
2013-present	GlaxoSmithKline-Save the Children R&D Advisory Board
2013-2014	Chair, Evaluation Committee, Partnership for Maternal, Newborn and Child Health (PMNCH)
2013-2016	Steering Committee Co-chair, Early Child Development <i>Lancet</i> Series
2013-2014	Steering Committee, Every Newborn <i>Lancet</i> Series
2013-2014	Advisory Group, Every Newborn Action Plan
2013-2017	Strategic Advisory Group, Saving Newborn Lives, Save the Children
2012-2014	Founding Curator, Catapult.org (crowd-funding platform for women's and girls' empowerment)
2013-2014	@Socialgoodformoms (Mom Bloggers network), Advisory Group
2013-2014	London School of Hygiene and Tropical Medicine, Maternal, Adolescent, Reproductive and Child Health Department, Strategic Advisory Group
2011-2014	Department of Maternal, Newborn, Child and Adolescent Health, World Health Organization, Steering Committee
2011-2014	Global Maternal and Newborn Health Training Program, University of Washington, External Program Oversight Board
2011-2013	World Economic Forum, Global Action Council on Population Growth
2010-2013	Global Alliance for Improved Nutrition, Board of Directors Co-chair and Member
2010-2013	Steering Committee, Saving Lives at Birth, A Grand Challenge for Development
2010-2012	Scaling Up Nutrition (collaborative project of USAID, Irish Aid, CIDA, European Commission, France, Germany, Bill and Melinda Gates Foundation, World Bank, United Nations), Senior Officials Group

2012	Judge, Saving Lives at Birth Development Exchange, Seattle, WA
2011	Judge, Saving Lives at Birth Development Exchange, Washington, DC
2008-2010	Technical Advisory Group, Saving Newborn Lives Program
2008-2010	Technical Advisory Group, Simplified antibiotic treatment regimens, World Health Organization
2008	Chair, Outputs Task Force, Partnership for Maternal, Neonatal and Child Health
2008-2009	International Scientific Advisory Council for Prevention of Prematurity and Stillbirths, Global Alliance for the Prevention of Prematurity and Stillbirths, Seattle Children's Hospital
2007-2008	Joint Steering Committee, Interactive Autism Network, Kennedy Krieger Institute and Autism Speaks, Johns Hopkins Medical Institutions
2007-2008	Developmental Disabilities Task Force, Johns Hopkins Medical Institutions
2001-2008	Steering Committee, WHO Young Infant Clinical Signs Study Group
2005-2007	Chlorhexidine Working Group, USAID/NIH
2004-2006	Steering Committee, <i>Lancet</i> Neonatal Survival Series
2002-2007	Neonatal Health Advisor, Child Health Epidemiology Reference Group (CHERG)
2002-2006	Steering Committee, US Coalition for Child Survival, Global Health Council
2003-2005	Technical Advisor, Neonatal Health, INCLEN Childnet
2002-2005	Technical Advisor, IndiaCLEN
2001-2002	Member and Neonatal Health Expert, Research Task Force, US Coalition for Child Survival
2001-2003	Scientific Advisory Group, Project Spring, Procter & Gamble

Program or Project Development

2018-2019	Lead, Global Child Health Symposium 2019, Coalition of Centres in Global Child Health, Consortium of Universities for Global Health, 10 th Annual Conference, March 8-10, 2019, Chicago, IL
2013-2014	Women, Girls and Gender, Bill and Melinda Gates Foundation
2012	London Summit on Family Planning, (partnership of UK Department for International Development and Bill & Melinda Gates Foundation), Team Leader
2011-2013	Achieving Impact at Scale, Family Health Division, Bill and Melinda Gates Foundation
2010	Maternal, Newborn and Child Health Technologies: Moving Innovation Toward Product Development, Pacific Health Summit, London, England
2010-2014	Grand Challenges in Development: Saving Lives at Birth (collaborative project of USAID, Government of Norway, Canada Grand Challenges, UK Department for International Development (DfID), Bill & Melinda Gates Foundation), Steering Committee
2009	Co-chair, Programme for Global Paediatric Research, Hyperbilirubinemia Working Group, Strategies to identify infants at risk
2008	Grand Challenges Exploration, Review Board, Bill & Melinda Gates Foundation
2007	Chair, Programme for Global Paediatric Research, Child Development Working Group, Incorporating Follow-up Activities into Community-based Research Protocols
2005-2007	Birth Asphyxia and Neonatal Infections Technical Working Groups, Child Health and Nutrition Research Initiative (CHNRI)
2006	Chair, Programme for Global Paediatric Research, Neonatal Infections Working Group, Nosocomial and Environmental Infections
2005-2006	Pediatric Academic Society, Programme for Global Paediatric Research, Program and Abstract Review Team
2005	Kangaroo Mother Care Working Group, ACCESS, JHPIEGO

- 2005 Chair, Programme for Global Paediatric Research, Birth Asphyxia Working Group, Furthering International Collaborations for the Study of Birth Asphyxia
- 2002 Co-organizer (with Joy Lawn, Institute of Child Health, London), Community-based management of birth asphyxia: expert panel meeting, Cape Town, South Africa
- 2002 Co-organizer [with Jose Martines, World Health Organization (WHO)], Neonatal verbal autopsy workshop, WHO, Geneva, Switzerland
- 2001 Co-organizer (with Jose Martines, WHO), Neonatal Survival Interventions Research Workshop, Kathmandu, Nepal, jointly sponsored by WHO, Save the Children Federation-US, and USAID
- 2001 Organizer, Plenary Session: Advancing Newborn Health and Survival in Pakistan – a call to action. 10th National Pediatric Conference, Bhurban, Pakistan Pediatric Association
- Consultations
- 2007 Consultant, Development of a request for proposals in child survival, Thrasher Research Fund
- 2006-2007 Consultant, Management of neonatal infections in developing countries, Saving Newborn Lives, Save the Children-US
- 2006 Consultant, Priorities for “upstream” research to address neonatal infections; strategy developing in maternal, neonatal, child and reproductive health, Bill & Melinda Gates Foundation
- 2005 Consultant, International Pediatric Association, Meeting on Newborn Survival and Health, Washington, DC
- 2004 Technical Advisor, WHO/SNL Birth Asphyxia Technical Meeting, WHO, Geneva, Switzerland
- 2003 Chairperson and Technical Expert, World Health Organization (WHO) Meeting on Neonatal Integrated Management for Childhood Illness, Geneva, Switzerland
- 2003 Technical Advisor, IndiaCLEN Strategic Planning Workshop in Neonatal Health, Lucknow, India
- 2003 Technical Consultant, INCLLEN Childnet Workshop on Priority Setting in Neonatal Health, Kunming, China

- 2002 Temporary Advisor, World Health Organization (WHO) Ad hoc Working Group on Neonatal Morbidity and Mortality, Leader, sub-group on neonatal verbal autopsy, Child Health Epidemiology Resource Group
- 2002 Technical Advisor, Neonatal Health, BASICS II, United States Agency for International Development (USAID)
- 2001 Neonatal health consultant to US Coalition for Child Survival Background Paper on Low Cost Interventions to Save Young Lives in the Developing World (Bill Muraskin, author)
- 2000 Consultant, Priority interventions and strategies to reduce neonatal morbidity and mortality in focus countries, Program Learning Group, Save the Children Federation, Millwood, VA
- 2000 Consultant, Research priorities for reducing neonatal morbidity and mortality, SNL Strategic Planning Meeting, Save the Children Federation, Shephardstown, West Virginia
- 1999 Consultant, Neonatal health program and research priorities for improving neonatal morbidity and mortality in developing countries, International Programs Strategic Planning Conference, Save the Children Federation, Millwood, VA
- 1999-2008 Consultant, Pediatric infectious diseases and dermatology, The Proctor and Gamble Co.
- 1999 Consultant and co-author, “Moss W, Darmstadt GL, Black RE, Santosham M. Research Agenda to Reduce Neonatal Morbidity and Mortality in Developing Countries,” USAID

Special Local Responsibilities

Academic Service

- 2015-present Lucille Packard Stanford Children’s Hospital Executives Committee
- 2016-present Faculty Advisory Group, Digital Medical Education International Collaborative (Digital MEDIC), Stanford Center for Health Education
- 2015 - present Co-PI, March of Dimes Stanford Prematurity Research Center
- 2018 Reviewer, Pilot Grants Program, Stanford Child Health Research Institute

2016, 2017, 2018	Reviewer, Seed Grants, Stanford Center for Innovation in Global Health & Global Child Health Equity Program
2015, 2016, 2017, 2018	Abstract Reviewer, Stanford Global Health Research Convening (through the Center for Innovation in Global Health)
2017-2018	Faculty Research Fellow, Clayman Institute for Gender Research, Stanford University
2017-2018	Global Committee, Stanford Medicine Integrated Strategic Planning
2015-2016	Global Strategy Steering Committee, Stanford Medicine
2016-present	Faculty Athletics Fellow, Stanford University (Women's Water Polo Team Advisor)
2016-2017	Global Health Education Working Group, Stanford Center for Innovation in Global Health
2015, 2016	Planning Committee, Stanford Child X
2015-2016	Advisory Committee, Stanford-American India Foundation partnership
2015-present	Core Leadership Group, Center for Innovation in Global Health, Stanford University School of Medicine
2015-present	Maternal and Child Health Leadership Team, Department of Pediatrics, Stanford University School of Medicine
2006-2007	Board Member, Committee on Human Research (IRB), Johns Hopkins Bloomberg School of Public Health
2006-2007	Selection Committee, Johns Hopkins Bloomberg School of Public Health, NICHD Maternal and Child Health Student Training Grant
2004-2007	Faculty Budget Advisory Committee, Department of International Health, Johns Hopkins Bloomberg School of Public Health
2004	Chair, Faculty Search Committee, Health Systems Program, Department of International Health, Johns Hopkins Bloomberg School of Public Health, Associate Professor and Assistant Professors in Neonatal Health

Editorial Positions

2015-present	International Advisory Board, <i>The Lancet Child and Adolescent Health</i>
2009-present	Associate Editor, <i>BMC Pregnancy and Childbirth</i>
2017-present	Editorial Board, <i>Child: Care Health, and Development</i>
Peer Reviewed Journals	Reviewer for multiple journals (e.g., <i>Lancet</i> , <i>Pediatrics</i> , <i>JAMA</i> , <i>JAMA Pediatrics</i> , <i>N Engl J Med</i> , etc.)
2004-2008	International Editor, <i>Journal of Perinatology</i>
2005-2007	Section Editor, Reproductive and Neonatal Health, <i>Journal of Health, Population and Nutrition</i>

Memberships in Professional Societies

2011-present	Washington State Academy of Science
2002-present	Society for Pediatric Research
2002-present	American Public Health Association
1995-present	Pediatric Infectious Disease Society
1993-present	Fellow, American Academy of Pediatrics
1992-present	Fellow, American Academy of Dermatology
1992-present	Harriet Lane Alumni Association, Johns Hopkins University
2000-2010	Global Health Council
1991-2007 2015-present	Society for Pediatric Dermatology, Member
1999-2003	Society for Pediatric Dermatology, Goals and Awards Committee
1987-1988	American Medical Student Association Child and Adolescent Health Task Force, Western Regional Coordinator
1998	California Medical Association Commission on Community Health
1986-1988	San Diego Community Child Abuse Coordinating Council
1987	California Medical Association Commission on Community Health Commission on Communications

Bibliography

Peer-reviewed Articles

*=Corresponding author

Submitted

1. Fischer N, **Darmstadt GL**, Shahunja KM, Kendall L, Gibson R, Ahmed T, Relman DA. Topical emollient therapy with sunflower seed oil impacts the skin and gut microbiome in children with severe acute malnutrition in Bangladesh. BMC Public Health, submitted. *[PI for parent study; co-conceived study, contributed to sub-study design, interpretation of data, manuscript preparation.]*
2. Calu Costa J, Weber AM, **Darmstadt GL**, Abdalla S, Victora CG. Religious affiliation, gender and immunization coverage in 15 African low- and middle-income countries. Vaccine, submitted. *[Co-mentored the first author; contributed to study conception, interpretation of data, manuscript preparation.]*
3. ***Darmstadt GL**, MD, Khan NZ, Rosenstock S, Muslima H, Parveen M, Mahmood W, Ahmed ASMNU, Chowdhury MAKKA, Law PA, Zeger S, Saha SK. Emollient therapy for preterm infants in the neonatal period enhances neurodevelopment in Bangladesh. Pediatrics, submitted.
4. Kumar A, Mishra S, Singh S, Ashraf S, Krishna R, Ghosh AK, Kumar A, Yadav R, Mehrotra H, Patil P, Yadav S, Sahu A, Singh P, Singh V, Kan P, Tian L, Elias PM, Stevenson DK, **Darmstadt GL**, Kumar V. Impact of sunflower seed oil massage on survival and growth of newborn infants in Uttar Pradesh, India: a community-based cluster randomized controlled trial. Lancet, submitted. *[Contributed to study conception and study design; co-led development of data analysis plan, interpretation of data, manuscript preparation.]*
5. Arvay ML, Shang N, Qazi SA, **Darmstadt GL**, Roth D, Liu A, Islam S, Connor N, Hossain B, Rahman QS, Arifeen SE, Mullany LC, Westreich D, Meshnick S, Saha S, Schrag SJ. Infectious etiologies of neonatal illness classified using World Health Organization definitions: a secondary analysis of the Aetiology of Neonatal Infection in South Asia (ANISA) study. Bull World Health Organ, submitted. *[Contributed to study conception and design, interpretation of data, manuscript preparation.]*
6. Stepanikova I, Acharya S, Abdalla S, Baker E, Klanova J, **Darmstadt GL**. Gender Discrimination and Depressive Symptoms among Women of Reproductive Age: ELSPAC-CZ Cohort. Eclin Med, submitted. *[Co-conceived study, contributed to study design, interpretation of data, manuscript preparation.]*
7. Weber A, **Darmstadt GL**, Diop Y, Melching M. Africa is not a museum: The ethics of encouraging new parenting practices in rural African communities. Bull World Health Organ, submitted. *[Mentored first author, contributed to paper outline and manuscript preparation.]*

8. Shahunja KM, Ahmed T, Hossain I, Mahfuz M, Kendall L, Zhu X, Singh K, Crowther JM, Singh S, Gibson RA, ***Darmstadt GL**. Topical emollient therapy in the management of severe acute malnutrition in under-two children: A randomised controlled clinical trial in Bangladesh. *J Global Health*, submitted.
9. Newberry JA, Kaur J, Gurrapu S, Behl R, **Darmstadt GL**, Halpern-Felsher B, Rao GVR, Mahadevan SV, Strehlow MC. “So why should I call them?”: Survivor support service characteristics as drivers of help-seeking in India, *J Interpersonal Violence*, submitted. *[Mentored first author, contributed to study design, data interpretation, manuscript preparation.]*
10. Pepper KT, Ward V, Srikantiah S, Mahapatra T, Mehta KM, Weng Y, Raheel H, Monaghan S, Bentley J, Irani L, Schooley J, Wilhelm J, Bhattacharya D, Dutt P, Sastry P, Mitra R, Tarigopula UK, Atmavilas Y, Borkum E, Rangarajan A, Chaudhuri I, Munar WA, Creanga A, Walker D, Carmichael S, Shah H, Nanda P, ***Darmstadt GL**. Improving primary healthcare delivery in Bihar, India: Learning from the statewide scale-up of *Ananya*. *J Global Health*, submitted.
11. Creanga AA, Shah H, Mahapatra T, Das A, Sonthalia S, Maharana PR, Daulatrao S, Galavotti C, Laterra A, Pepper KT, **Darmstadt GL**, Srikantiah S. Implementation of a statewide quality improvement initiative for reproductive, maternal, neonatal and child health in Bihar, India: 2014-2017. *J Global Health*, submitted. *[Contributed to manuscript conception and preparation.]*
12. ***Darmstadt GL**, Pepper KT, Weng Y, Mehta KM, Ward V, Abdalla S, Bentley B, Raheel H, Borkum E, Rangarajan A, **Sridharan S, Rotz D**, Carmichael S, Tarigopula UK, Nanda P, Bhattacharya D; for the *Ananya* Study Group. Impact of the *Ananya* programme on reproductive, maternal, newborn and child health and nutrition in Bihar, India: a quasi-experimental study. *J Global Health*, submitted.
13. Ward V, Bentley J, Weng Y, Carmichael S, Mehta K, Mahmoud W, Atmavilas Y, Nanda P, Tarigopula UK, Bhattacharya D, Mahapatra T, Srikantiah S, Borkum E, Rangarajan A, ***Darmstadt GL**. Evaluation of a large-scale reproductive, maternal, newborn and child health and nutrition programme through an equity lens: *Ananya* in Bihar, India. *J Global Health*, submitted.
14. Mehta KM, Irani L, Chaudhuri I, Schooley J, Ward V, Weng Y, Saggurti N, Srikantiah S, Mahapatra T, Pepper KT, Raheel H, Bentley J, Creanga A, Wilhelm J, Tarigopula UK, Bhattacharya D, Atmavilas Y, Nanda P, Carmichael S, Shah H, ***Darmstadt GL**. Scale-up of health-layered self-help groups in Bihar, India: the Jeevika Technical Support Program. *J Global Health*, submitted.
15. Ward V, Raheel H, Weng Y, Mehta KM, Priyanka Dutt,⁴ Padmapriya Sastry,⁴ Radharani Mitra,⁴ Sara Chamberlain,⁴ M, Kaimal R,³ Suzan Carmichael,^{1,2} Jason Bentley,^{2,3} Kevin T. Pepper,¹ Tanmay Mahapatra,⁵ Sridhar Srikantiah,⁵ Evan Borkum,⁶ Anu Rangarajan,⁶ Priya Nanda,⁷ Usha Tarigopula,⁷ Yamini Atmavilas,⁷ Debarshi Bhattacharya,⁷ ***Darmstadt**

GL.¹Impact of mHealth interventions for maternal and child health at scale: BBC Media Action and the *Ananya* Program in Bihar, India. J Global Health, submitted.

16. Abdalla S, Weng Y, Mehta KM, Srikantiah S, Mahapatra T, Shah H, Ward V, Pepper KT, Bentley J, Carmichael S, Nanda P, Tarigopula UK, Atmavilas Y, Bhattacharya D, ***Darmstadt GL** Impact of dual-phased implementation of *Ananya* reproductive, maternal, newborn and child health and nutrition interventions in Bihar, India. J Global Health, submitted.
17. Rao N, Richards B, Weber AW, Lau C, Sincovich A, Sun J, **Darmstadt GL**, Ip P. Associations among preschool attendance, home learning, stunting, and child development in four countries in the East Asia-Pacific. Infant Child Develop, submitted. [*Contributed to study design, data interpretation, manuscript preparation.*]

In-press

18. Falconi AM, Weber AM, Cullen MR, Stefanik ML, Michael Y, **Darmstadt GL**. Shifts in gender norms in women's paid employment during the World War II era and later life health. J Adolesc Health, in press.
19. Dominique BW, Cislighi B, Nagata JM, Shakya HB, Weber AM, Boardman JD, **Darmstadt GL**, Harris KM. Implications of gendered behaviour and contexts for social mobility. Lancet Planetary Health, in press. [*Contributed to all aspects of study design, data interpretation, manuscript preparation.*]
20. Meinhart M, Seff I, **Darmstadt GL**, Weber AM, Stark L. Attitudinal acceptance of intimate partner violence among adolescents and young adults in Nigeria and Tanzania: An exploration into target reference groups. J Glob Health, in press. [*Contributed to study design, data interpretation, manuscript preparation.*]
21. Carmichael S, Mehta K, Srikantiah S, Mahapatra T, Chaudhuri I, Raheel H, Borkum E, Trehan S, Sivasankaran A, Sridharan S, Rotz D, Weng Y, Kaimal R, Tarigopula UK, Bhattacharya D, Atmavilas Y, Pepper KT, Rangarajan A, ***Darmstadt GL**. Use of mobile technology by frontline health workers to promote reproductive, maternal, newborn and child health and nutrition: A cluster randomized controlled trial in Bihar, India. J Global Health, in press.
22. Levy JK, **Darmstadt GL**, Ashby C, Quandt M, Halsey E, Nagar A, Greene ME. The influence of gender-transformative programming on the health and well-being of children and adolescents: a systematic review. Lancet Global Health, in press. [*Contributed to study conception, study design, data analysis plan, interpretation of data, manuscript preparation.*]
23. Guevara IM, Weber AM, Cislighi B, Meausoone V, Victora C, **Darmstadt GL**. Association of interpersonal attitudes and contraceptive practice in nine sub-Saharan African countries. J Global Health, in press.

24. Nagata JM, Domingue BW, **Darmstadt GL**, Weber AM, Meausoone V, Cislighi B, Shakya HB. Gender norms and weight control behaviors in US adolescents: A prospective cohort study. *J Adolesc Health*, in press. *[Contributed to study conception, study design, data analysis plan, interpretation of data, manuscript preparation.]*
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31. Shakya HB, **Darmstadt GL**, Weeks J, Christakis N. Social normative and social network factors associated with adolescent pregnancy in rural Honduras. *J Glob Health*, in press. *[Contributed to study design, data analysis plan, interpretation of data, manuscript preparation.]*
32. Munar W, Wahid S, Das S, **Darmstadt GL**. “Our village is dependent on us. That’s why we can’t leave our work.” Characterising mechanisms of motivation to perform among Accredited Social Health Activists (ASHA) in Bihar. *Health Policy Plann 2019*, in press.
33. Tomlinson M, **Darmstadt GL**, Yousafzai AK, Daelmans B, Britto P, Gordon SL, Tablante E, Dua T. Global research priorities to accelerate early childhood development

programming in the sustainable development era: A CHNRI exercise. *J Glob Health*; in press. *[Participated in study design, outreach for data collection, interpretation of data, manuscript preparation.]*

34. Mokdad AH, **Darmstadt GL** (for the Eastern Mediterranean Region Burden of Disease Collaborators). Gender equity in the Eastern Mediterranean Region: Findings from the Global Burden of Disease 2016 Study. *Lancet Glob Health*; in press. *[Conceived and funded the study; co-led study design, interpretation of data, manuscript preparation.]*

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https://ssir.org/articles/entry/scaling_health_coverage_quality_and_innovation_through_the_public_sector.
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[Contributed to site selection, study conception, study design, interpretation of data, manuscript preparation.]
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125. **Darmstadt, G.** *Global Perinatal Health*. December 27, 2010 from <http://www.impatientoptimists.org/Posts/2010/12/Global-Perinatal-Health>; <http://www.healthynewbornnetwork.org/blog/global-perinatal-health>
126. **Darmstadt, G.** *Changing the Odds in Ethiopia*. October 20, 2010 from <http://www.impatientoptimists.org/Posts/2010/10/Changing-the-Odds-in-Ethiopia>
127. **Darmstadt, G.** *The Amazing Impact of Frontline Healthcare Workers*. October 19, 2010 from <http://www.impatientoptimists.org/Posts/2010/10/The-Amazing-Impact-of-Frontline-Healthcare-Workers>; <http://www.healthynewbornnetwork.org/blog/amazing-impact-frontline-healthcare-workers>
128. **Darmstadt, G.** *'60 Minutes' Profiles on Melinda Gates and Our Work*. October 4, 2010 from <http://www.impatientoptimists.org/Posts/2010/10/60-Minutes-Profiles-Melinda-Gates-and-Our-Work>
129. **Darmstadt, G.** *Highlights from the Women Deliver Conference*. June 14, 2010 from <http://www.impatientoptimists.org/Posts/2010/06/Highlights-from-the-Women-Deliver-Conference>
130. **Darmstadt, G.** *In Bangladesh, Empowering Villagers to Save Infant Lives*. June 8, 2010 from <http://www.impatientoptimists.org/Posts/2010/06/In-Bangladesh-Empowering-Villagers-to-Save-Infant-Lives>

Abstracts: Listing available upon request

Invited Presentations/Meeting Moderator

- 2019 Keynote speaker, “Maternal and Child Healthcare in Bihar: Reflections from *Ananya*,” Strengthening of Health Systems and Improving Health Outcomes, 29 August 2019, Patna, Bihar, India.
- 2019 Invited speaker, “Meta Synthesis of Stanford Studies, and Positive Trends: Global Perspectives on the Bihar Story,” Strengthening of Health Systems and Improving Health Outcomes, 29 August 2019, Patna, Bihar, India.
- 2019 Moderator, Quality Matters, Strengthening of Health Systems and Improving Health Outcomes, 29 August 2019, Patna, Bihar, India.
- 2019 Invited Speaker, “Topical emollient therapy for promotion of newborn health and survival,” Bungoma County Hospital, 21 August 2019, Bungoma, Kenya
- 2019 Invited Speaker, “Topical emollient therapy for promotion of newborn health and survival,” Kenya Pediatric Association, 20 August 2019, Nairobi, Kenya
- 2019 Invited Speaker, “Implementation of a Statewide Quality Improvement Initiative for Reproductive, Maternal, Neonatal and Child Health in Bihar, India: 2014-2017,” *Ananya* Partners Meeting, 1 August 2019, Delhi, India
- 2019 Invited Speaker, “Impact of *Ananya* Reproductive, Maternal, Newborn and Child Health and Nutrition Interventions in Bihar, India. Community-based Household Surveys 2012-2017,” *Ananya* Partners Meeting, 31 July 2019, Delhi, India
- 2019 Invited Speaker, “Impact of the *Ananya* Programme on Reproductive, Maternal, Newborn and Child Health and Nutrition in Bihar, India: a Quasi-experimental Study,” *Ananya* Partners Meeting, 31 July 2019, Delhi, India
- 2019 Invited Speaker, “*The Lancet* Series on Gender Equality, Norms and Health,” *Lancet* Series Global Launch, Women Deliver Conference, 4 June 2019, Vancouver, Canada
- 2019 Invited Speaker, *Lancet* Series on Gender Equality, Norms, and Health,” Bill and Melinda Gates Foundation Preview, 30 May 2019, Seattle, WA, USA
- 2019 Invited Speaker, “Using Existing Data to Investigate Relationships Between Social Norms and Adolescent Health Behaviors and Outcomes,” Bill and Melinda Gates Foundation Directors’ Meeting, 30 May 2019, Seattle, WA, USA
- 2019 Invited Speaker, “Lancet Series: Gender Equality, Norms and Health,” Workshop on the Measurement of Girls and Women’s Empowerment, The Centre for Global Child Health, University of Toronto, 18 April 2019, Toronto, Canada
- 2019 Invited Speaker, “Women’s Empowerment Collective Research Consortium” Workshop on the Measurement of Girls and Women’s Empowerment, The Centre for Global Child Health, University of Toronto, 18 April 2019, Toronto, Canada

- 2019 Invited Speaker, “Opportunities and Limitations in Studying Gender Norms and Health: Insights from Global Survey Data,” Bill and Melinda Gates Foundation Gender Data Partners Meeting, 19 March 2019, New York City, NY
- 2018 Invited speaker, “Improving Healthcare Delivery in Bihar: Learning from the Statewide Scale-up of *Ananya*,” Innovation, Partnership and Self-reliance: Health Policy Lessons from India’s Bihar State, Center for Strategic and International Studies, 19 December 2018, Washington, D.C.
- 2018 Keynote speaker, “Nurturing Care to Advance Early Childhood Development,” Parenting the Future – International Conference on Early Childhood Development in Rural China, 17 November 2018, Xi’an, China
- 2018 Invited speaker, “Advancing Early Childhood Development,” Evidence-based Social Science Seminar Series, Shaanxi Normal University, 16 November 2018, Shaanxi, China
- 2018 Moderator, “From Gender Norms to Health Impact: How Can This Relation be Studied Using Existing Data?” United Nations World Data Forum, 24 October 2018, Dubai, United Arab Emirates
- 2018 Facilitator, “Priorities for Adolescent Health in Low- and Middle-income Countries,” Delivering Impact for Adolescents in their Communities: A symposium on the latest empirical research, 3 October 2018, Population Council, Washington, D.C.
- 2017 Invited Speaker, “Gender Norms and Health,” Measuring Progress on Women's Inclusion, Justice and Security: Launch of the Women, Peace and Security Index, London School of Economics, 30 November 2017, London, England
- 2017 Invited Speaker, “Beyond Survival: Advancing Early Childhood Development,” Save the Children Annual Meeting, 17 November 2017, Jakarta, Indonesia
- 2017 Invited Speaker, “Impact of Gender Norms on Health,” 2017 Annual Symposium, Stanford Center for Population Health Sciences, 6 November 2017, Stanford, CA
- 2017 Invited Speaker, “Impact of Gender Norms on Health,” Bill and Melinda Gates Foundation Lunch and Learn Seminar, 2 November 2017, Seattle, WA
- 2017 Invited Speaker, “The Lancet Series on Gender Equality,” Women and Girls at the Center of Development: Influencing Global Policy and Practice for Gender Equality, 26 October 2017, Delhi, India
- 2017 Invited Speaker, “Role of Gender Norms in Developing Countries,” Gender Matters: Why Sex in Science Isn't Enough, Women and Sex Differences in Medicine Center, and the Center for Population Health Sciences, Stanford University School of Medicine, 18 October 2017, Stanford, CA

- 2017 Panelist, Engaging Men to Advance Change, Women Leaders in Global Health Conference, Center for Innovation in Global Health, Stanford University School of Medicine, 12 October 2017, Stanford, CA
- 2017 Chair, “Ideal Village Conference: Collaborations for the Ideal Village”, Stanford University and Science for Society, 16 June 2017, Stanford, CA
- 2017 Invited Speaker, “Global Child Health”, Packard Executives Meeting, Stanford University School of Medicine, 23 May 2017, Stanford, CA
- 2017 Invited Speaker, “Scaling-up Child Development Centres in Bangladesh,” Advancing Early Childhood Development: Lessons from Programs at Scale in Low and Middle Income Countries (Invited Science session), Pediatric Academic Societies 2017 Annual Meeting, 9 May 2017, San Francisco, CA
- 2017 Moderator, Advancing Early Childhood Development: Lessons from Programs at Scale in Low and Middle Income Countries (Invited Science session), Pediatric Academic Societies 2017 Annual Meeting, 9 May 2017, San Francisco, CA
- 2017 Moderator, Global Health Implementation (Invited Science session), Pediatric Academic Societies 2017 Annual Meeting, 8 May 2017, San Francisco, CA
- 2017 Keynote Speaker, “From Survive to Thrive: Promotion of Early Child Development in Poverty Settings,” Global Health Special Interest Group, Academic Pediatric Association, Pediatric Academic Societies 2017 Annual Meeting, 7 May 2017, San Francisco, CA
- 2017 Moderator, Global Pediatric Research Platform Session, Pediatric Academic Societies 2017 Annual Meeting, 6 May 2017, San Francisco, CA
- 2017 Chair, “Panel on Institutional Responses to Gender and Health.” UCL Centre for Gender and Global Health Launch Day, 16 February, 2017, London, UK
- 2016 Invited Speaker, “Advancing Early Childhood Development: from Science to Scale,” March of Dimes Investigator Lab Meeting, 7 December 2016, Stanford, CA
- 2016 Invited Speaker, “Global Child Health: Opportunities for Impact at Scale in Low-Resource Settings,” March of Dimes Investigator Lab Meeting, 30 November 2016, Stanford, CA
- 2016 Invited Presentation, “Vision for Global Maternal and Child Health, Stanford-Packard Program,” Board of Directors Research Committee, Lucille Packard Children’s Hospital, 11 November 2016, Stanford, CA 2016
- 2016 Keynote Speaker, “Advancing Early Childhood Development,” Launch of *The Lancet* Series on Advancing Early Childhood Development, Brazil, 9 November 2016, Brasilia, Brazil

- 2016 Keynote Speaker, “Advancing Early Childhood Development: From Science to Scale.” 6th International Symposium on Early Childhood Development, 7 November 2016, Recife, Brazil
- 2016 Invited Speaker, “Policy, Program and Research Implications from *The Lancet* Series on Early Childhood Development,” National Academy of Medicine Forum on Investing in Young Children Globally. 20 October 2016. Abidjan, Ivory Coast.
- 2016 Invited Speaker, “Implications of *The Lancet* Series on Early Childhood Development for ECD Practice in China and the Call to Action.” Roadmap for Scaling Up Early Childhood Development – Investment in Human Capital for Economic Growth and Poverty Alleviation, 27 October 2016, Beijing, China.
- 2016 Keynote Speaker, “Long Reach of Early Childhood – Science of Brain Development,” Roadmap for Scaling Up Early Childhood Development – Investing in Human Capital for Economic Growth and Poverty Alleviation, 27 October 2016, Beijing, China.
- 2016 Moderator, “State of Research at Stanford Medicine,” Stanford Medicine | American Indian Foundation Symposium, Maternal Health and Newborn Survival: Innovation and Impact, 14 October 2016, Stanford, CA.
- 2016 Invited Speaker, “The global burden of children at risk of sub-optimal development,” 28th International Congress of Pediatrics, International Pediatric Association, 8 August 2016, Vancouver, BC
- 2016 Moderator, “Improving Early Child Development: from Science to Policy n Scaling up Effective Integrated Interventions Globally,” Pediatric Academic Societies 2016 Annual Meeting, 1 May 2016, Baltimore, MD
- 2016 Keynote Speaker, “Most important factors of human brain development in early childhood,” UBS Optimist Global Philanthropists Community: The Neuroscience, Economics, and Policy Around Early Child Development, 27 April 2016
- 2016 Moderator, Child X Conference, “Thriving in a Changing Environment,” 22 April 2016, Stanford, CA
- 2016 Invited speaker, “Child Health at the Margins and Thin Places,” International Center for Maternal and Newborn Health, Johns Hopkins Bloomberg School of Public Health, 12 April 2016, Baltimore, MD
- 2016 Invited speaker, “Child Health at the Margins: Challenges and Opportunities in Global Newborn Health,” 7th Annual Pediatrics Research Retreat, Department of Pediatrics, Stanford University School of Medicine, 8 April 2016, Stanford, CA
- 2015 Keynote speaker, “Global Newborn Care: Challenges and Opportunities”, Aga Khan University Women & Child Health Conference, 4 December 2015, Nairobi, Kenya

- 2015 Invited panelist, “Trends in Global Health”, Medical Teams International President’s Weekend, 25 Sept 2015, Scottsdale, AZ
- 2015 Keynote speaker, “Global Progress, Challenges and Opportunities for Birth Defects in the SDG Era”, 7th International Conference on the Prevention of Birth Defects & Disabilities in the Developing World - ICBD 7, Dar es Salaam, Tanzania, 21 Sept 2015
- 2015 Meeting Co-chair, Institute of Medicine Forum on Investing in Young Children Globally, 25-29 July 2015, Addis Ababa, Ethiopia
- 2015 Moderator, Aetiology of Neonatal Infections in South Asia (ANISA) meeting, 31 Aug 2015, Dhaka, Bangladesh
- 2015 Invited speaker, “Progress and Challenges in Ensuring Healthy Births and Babies”, Institute of Medicine Forum on Investing in Young Children Globally, 27 July 2015, Addis Ababa, Ethiopia
- 2015 Sidney Hurwitz Visiting Professor, 41st Society for Pediatric Dermatology Meeting, “Progress, Challenges, and Opportunities in Global Child Health”, 10 July 2015; “Role of Skin Health and Care in Global Child Health”, 12 July 2015, Boston, MA
- 2015 Invited speaker, “Opportunities for Global Impact on Child Survival, Health and Development”, Lucille Packard Foundation, 23 June 2015
- 2015 Invited speaker, 23rd World Congress of Dermatology, “Global Newborn and Child Health: What Can Dermatology Learn?” 9 June 2015, Vancouver, BC, Canada
- 2015 Moderator, Stanford Center for International Development, India Conference 2015: Re-Igniting India's Growth: Perspectives from Business, Engineering, Medicine, and Economics, 28 May 2015, Stanford, CA
- 2015 Invited speaker, International Centre for Diarrhoeal Disease Research, Bangladesh (icddr,b), “Global Newborn and Child Health: Situation Analysis and Future Directions”, 28 April 2015, Dhaka, Bangladesh
- 2015 Invited speaker, Eastside Preparatory High School, “Benefits of Education for Health and Development in Low and Middle Income Countries”, 11 May 2015, Bellevue, WA
- 2015 Invited speaker, Stanford Communications, “Global Women’s and Children’s Health”, 7 May 2015, Stanford, CA
- 2015 Keynote speaker, American India Foundation Maternal and Neonatal Survival Initiative, “Priorities for Advancing Global Newborn Health and Survival: Lessons from Uttar Pradesh”, 18 April 2015, Boston, MA
- 2015 Invited speaker ChildX conference, “Enculturating Science: Designing Interactions for Health Impact”, 3 April 2015, Stanford, CA

- 2015 Invited speaker, Consortium of Universities for Global Health, “Global Maternal, Newborn and Child Health: Situation Analysis and Global Directions”, 27 March 2015, Boston, MA
- 2015 Invited speaker (author), Launch of Archives of Diseases in Childhood, Progress with MDGs, “Advancing the Newborn and Stillbirth Global Agenda: Priorities for the Next Decade”, 26 February 2015, London, UK
- 2015 Invited Speaker, Advancing the Newborn and Stillbirth Global Agenda: Priorities for the Next Decade. Archives of Diseases in Children, Progress with MDGs, London, England
- 2014 Invited speaker (author), The Lancet Every Newborn: Overview of the Series. Ethiopia Lancet Every Newborn Series Launch, Addis Ababa, Ethiopia, 24 November 2014.
- 2014 Invited speaker, Grand Challenges: Overview, Instituto de Saúde, Sao Paulo, Brazil
- 2014 Invited speaker, Global Health and Development, Medical Teams International President’s Weekend, Dana Point, CA
- 2014 Invited speaker, The Challenge – Maternal, Newborn, Child Health Issues, The Mother & Child Project: Helping Families in the Developing World, Brentwood Baptist Church, Nashville, TN
- 2014 Invited speaker, External Evaluation of the Partnership for Maternal, Newborn and Child Health (PMNCH), PMNCH Board Meeting, Johannesburg, South Africa
- 2014 A Decade of Learning on Newborn Health, Overseas Development Institute, Progress in Health, Expert Consultation, London, UK
- 2014 Who Has Been Caring for the Baby? Launch of The Lancet Every Newborn Series, UNICEF Headquarters, New York, NY
- 2014 Global Maternal and Newborn Health, Focus on the Family, Colorado Springs, CO
- 2013 Keynote address, Global Newborn Health Conference: What are we waiting for? Newborn health: The “Easy” Thing to do. Accelerating the Scale-up of Maternal and Newborn Health Interventions to Reduce Mortality, Johannesburg, South Africa
- 2013 Millennium Development Goals: Improving Social and Economic Conditions in the World’s Poorest Countries, Forest Ridge School of the Sacred Heart, Bellevue, WA
- 2013 Opening Panel, Salud Mesoamerica 2015: A New Way of Addressing Health Issues: SM2015 Public-Private Partnership, Inter-American Development Bank Annual Board of Governors Meeting, Panamá City, Panama
- 2013 Family Planning: Mobilizing the World for Change, Human Biology 129S: Global Public Health, Stanford University

- 2012 Achieving Impact at Scale, Gairdner Global Health Symposium, Toronto, Canada
- 2012 Family Health, Bill & Melinda Gates Foundation. Department of Pediatrics, Stanford University, Palo Alto, CA
- 2012 Master of Ceremonies, Perspectives: How Faith-Based and Secular Organizations Partner for Better Global Health, Seattle, WA
- 2012 Family Planning Panel, Launch of the Lancet Series on Family Planning, Institute of Child Health London, London, England
- 2012 Family Planning Summit Panel, London School of Economics, London, England
- 2012 Research and Development in Family Health, Grand Challenges India Partnership Meeting, Delhi, India
- 2012 Family Planning Strategy & Summit, Young Global Leaders Seattle Summit 2012, Seattle, WA
- 2012 Family Planning Strategy: Contraceptive Technology Initiative, Institute of Medicine Planning Meeting on Contraception, Washington, DC
- 2012 Family Planning Event, Stakeholder Group Discussion Meeting, UNFPA, New York, NY
- 2012 Family Planning Summit, Foundation Presidents' Meeting on Population and Reproductive Health, Omaha, NE
- 2012 Role of the Bill and Melinda Gates Foundation in Global Health: Ethical Considerations, Yale Seminar Series, Global Health Ethics, Politics and Economics, Yale University, New Haven, CT
- 2012 Family Health, Bill & Melinda Gates Foundation, Grand Challenges Brazil, Brasilia, Brazil
- 2012 Family Health Strategy, Bill & Melinda Gates Foundation. Uttar Pradesh Partners' Meeting, Lucknow, India
- 2011 Master of Ceremony, Annual Maternal Health Lecture Series in Honor of Beth Peterman, Seattle, WA
- 2011 Maternal, Newborn and Child Health, Department of Global Health, University of California, San Francisco, CA
- 2011 Introduction to the Bill and Melinda Gates Foundation, Procter and Gamble, Cincinnati, OH
- 2011 Panel discussion, No Woman No Cry, Seattle, WA

- 2011 Emollient therapy, Grand Challenges in Development: Saving Lives at Birth, Launch Event, Washington, DC
- 2010 Master of Ceremony, Annual Maternal Health Lecture Series in Honor of Beth Peterman, Seattle, WA
- 2010 Introduction to the Bill & Melinda Gates Foundation and our work in India. Ministry of Health, Government of Uttar Pradesh, Lucknow, India
- 2009 High impact interventions to reduce almost 1 million neonatal deaths due to intrapartum related causes (“birth asphyxia”), Seattle Children’s Hospital, UW Pediatric Global Health Residency Pathway Program, Seattle, WA
- 2009 Maternal, neonatal and child health. Children’s Investment Fund Foundation, London, England
- 2009 Maternal neonatal and child health strategy. Bill & Melinda Gates Foundation Global Health Program Advisory Panel Meeting, London, England
- 2007 Neonatal mortality, Child Survival Camp, PneumoADIP and Hib Initiatives, Johns Hopkins University. Baltimore, MD
- 2007 Neonatal health: evidence for integration into programs, CORE Annual Meeting, Easton, MD
- 2007 Community case management for newborns, Elluminate Session, Telecast
- 2007 Management of newborn sepsis: home and abroad, International consultation meeting on Improving Newborn Health in Bangladesh – Special Emphasis on Newborn Sepsis Management at Community Level, Dhaka, Bangladesh
- 2007 Affordable interventions to save children’s lives. Congressional briefing session, Washington, DC
- 2006 Indo-US (JHU) collaborations in neonatal health. India Chapter, Johns Hopkins Bloomberg School of Public Health Alumni Association, Delhi, India
- 2006 Preventing neonatal infections through skin barrier therapy. Special Seminar Series, Aga Khan University, Karachi, Pakistan
- 2006 Global neonatal health. Special Seminar Series, Aga Khan University, Karachi, Pakistan
- 2006 Sticks and stones may break my bones but thin skin can really hurt me: Strengthening skin barrier function in newborns in developing countries saves lives. 44th Annual New Horizons in Science Briefing, Baltimore, MD

- 2006 Shivgarh: A community-based and community-driven essential newborn care program. UNICEF, Delhi, India
- 2006 Critical programmatic questions in neonatal health, USAID-SNL Brown Bag Session, Washington, DC
- 2005 Review of chlorhexidine safety and efficacy for newborns. USAID/NIH Chlorhexidine Working Group Meeting, Washington, DC
- 2005 Effect of topical treatment with skin barrier emollients on nosocomial infections in preterm infants in Bangladesh. Bangladesh Neonatal Forum, Bangladesh Perinatal Society & WHO joint meeting, Dhaka, Bangladesh
- 2005 Priorities for international maternal and child health research: Review of the literature. Global Network for Women and Children's Health, NICHD, Washington, DC
- 2005 Safety and efficacy of chlorhexidine in neonates. Indian Council of Medical Research, Delhi, India
- 2003 Neonatal health research in Bangladesh: global and local implications. Bangladesh Newborn Working Group, Dhaka, Bangladesh
- 2004 Lessons from implementation of skin-to-skin care in rural India for the development of strategies for community KMC. First International Congress on Kangaroo Mother Care Rio de Janeiro, Brazil, (presentation delivered by Vishwajeet Kumar)
- 2003 Advancing child survival through improved newborn health in developing countries. Department of International Health, Bloomberg School of Public Health, The Johns Hopkins University, Baltimore, MD
- 2002 SNL Global Research, Bangladesh Newborn Working Group, Dhaka, Bangladesh
- 2001 Priorities for advancing neonatal health and survival in developing countries. Department of International Health, Bloomberg School of Public Health, The Johns Hopkins University, Baltimore, MD
- 2001 Global newborn health – unfinished agenda. Symposium: Newborn Health Situation Analysis and Future Direction in Bangladesh, Dhaka, Bangladesh
- 2000 Global research priorities for reducing neonatal morbidity and mortality. Perinatal and Neonatal Symposium. Aga Khan University, Karachi, Pakistan
- 2000 Priority interventions in focus countries to reduce neonatal morbidity and mortality. Save the Children Federation -US, Program Learning Group, Millwood, VA

- 2000 Saving Newborn Lives: Research priorities for reducing neonatal morbidity and mortality, Save the Children Federation, Saving Newborn Lives Initiative Strategic Planning Meeting, Shephardstown, West Virginia
- 2000 Research agenda for perinatal and neonatal care: what are the questions? Research Agenda for Neonatal Care: Healthy Mother/Healthy Child, John Snow Incorporated & USAID-Cairo, Cairo, Egypt
- 1999 Newborn health: reducing neonatal morbidity and mortality in developing countries. Save the Children Federation, International Programs Strategic Planning Conference, Millwood, VA
- 1999 Defenses against skin infections from the inside out. Established and Emerging Issues in Pediatric Infectious Diseases. Children's Hospital & Regional Medical Center, Department of Pediatrics, University of Washington School of Medicine, Seattle, WA
- 1999 Cutaneous antimicrobial barrier function. Grand Rounds, Division of Dermatology, Department of Medicine, Seattle, WA
- 1997 Pathogenesis of group A streptococcal skin infection: cutaneous factors affecting bacterial adherence and intracellular invasion. Department of Dermatology, Mayo Clinic, Rochester, MN
- 1997 Pathogenesis of streptococcal skin infection: factors affecting attachment and invasion. Skin Biology Seminar, University of Washington, Seattle, WA
- 1996 Role of epidermal injury and cytokines in group A streptococcal skin infection. Grand Rounds, Department of Dermatology, Oregon Health Sciences University, Portland, OR
- 1996 Role of epidermal injury in group A streptococcal infections. Friday Harbor Symposium, Division of Infectious Diseases, University of Washington, Friday Harbor, WA
- 1994 Bacterial infections. Fourth Biennial Pediatric Dermatology Conference for Primary Care Physicians, San Francisco, CA
- 1994 Juvenile pityriasis rubra pilaris. San Francisco Dermatological Society, Stanford, CA
- 1994 Rash as a presenting sign of malnutrition in patients with cystic fibrosis. San Francisco Dermatological Society, San Francisco, CA
- 1993 Proteus syndrome. San Francisco Dermatological Society, Stanford, CA
- 1993 Classical lymphangioma circumscriptum: presentation, pathogenesis, and treatment. San Francisco Dermatological Society, Stanford, CA
- 1992 Cutaneous leishmaniasis: treatment. San Francisco Dermatological Society, Stanford, CA

1992 Old world pestilence: old or new? The early history of syphilis in Europe. Grand Rounds, Department of Pediatrics, Johns Hopkins Hospital, Baltimore, MD

Presentations, Scientific Meetings and Courses

- 2015 Global Newborn Health: Current Trends & Opportunities for Skin-to-skin care, Washington University, 18 Nov 2015, St Louis, MO, USA
- 2015 Global Child Health: Current Trends & Future directions, March of Dimes Stanford Research Center Investigators' Meeting, 30 Sept 2015, Stanford, CA
- 2014 Every Newborn, Fifth China Maternal and Child Health Summit, Guangzhou, China
- 2014 The Next Phase of Grand Challenges. Science, Technology, and Innovation in Health. Brasilia, Brazil
- 2014 Grand Challenges: Overview, Institute of Medicine, Forum on Investing in Young Children Globally, Sao Paulo, Brazil
- 2014 Global Newborn Health: A Decade of Change, Challenge and Promise, Contemporary Forum, 26th Pediatric Nursing: Care of the Hospitalized Child, Seattle, WA
- 2014 Early Child Development: Measuring Results Beyond Survival, World Health Organization, Geneva, Switzerland
- 2014 1) Moderator, Moving forward: implementation issues; 2) Integration of child survival and child development. Getting on and implementing the agenda, World Health Organization, Geneva, Switzerland.
- 2013 Moderator, Africa Newborn Simplified Antibiotic Trials Dissemination, Abuja, Nigeria
- 2012 Master of Ceremonies, Saving Lives at Birth: A Grand Challenge for Development Award Ceremony and Reception, Seattle, WA
- 2012 Product Development in Family Health, 2012 Global Health Product Development Forum, Seattle, WA
- 2011 Moderator, Grand Challenges in Family Health Panel Discussion, Grand Challenges in Global Health, Delhi, India
- 2011 Family Health, Bill & Melinda Gates Foundation, Grand Challenges in Global Health, Delhi, India
- 2010 Shaping demand and practices to improve family health outcomes in northern India, Uttar Pradesh State Dissemination Conference, Lucknow, India

- 2010 Shaping demand and practices to improve family health outcomes in northern India, India Dissemination Conference, New Delhi, India
- 2010 Bill & Melinda Gates Foundation engagement in India's family health program, India Dissemination Conference, New Delhi, India
- 2010 High impact interventions to reduce almost 1 million neonatal deaths due to intrapartum related causes ("birth asphyxia"). Women Deliver 2010, Washington DC
- 2010 Overview of Maternal, Neonatal and Child Health Strategy, Pacific Health Summit, London, England
- 2010 Access to Nutrition Initiative, Pacific Health Summit, London, England
- 2009 Stillbirths – the global picture and evidence-based solutions, XIX International Federation of Gynecology and Obstetrics (FIGO) World Congress of Gynecology and Obstetrics, Cape Town, South Africa
- 2009 Intrapartum-related deaths: Evidence for action. Press conference, XIX FIGO World Congress of Gynecology and Obstetrics, Cape Town, South Africa
- 2009 Two million deaths at birth: Evidence to Action. 60 million home births – how can we link communities to facilities to reduce delays, and who can deliver? XIX FIGO World Congress of Gynecology and Obstetrics Cape Town, South Africa
- 2009 Neonatal health: Connections, successes, challenges. XIX FIGO World Congress of Gynecology and Obstetrics, Cape Town, South Africa
- 2009 Reducing global neonatal morbidity and mortality: what works? Pediatric Academic Society Annual Meeting, Baltimore, Maryland
- 2009 Innovations in neonatal mortality reduction in low resource settings. Pediatric Academic Society Annual Meeting, Baltimore, Maryland
- 2009 Clinical assessment of neonatal jaundice in developing countries: a multicentre, observational study. Programme for Global Paediatric Research, Symposium: Neonatal hyperbilirubinemia in developing countries. Baltimore, Maryland
- 2009 Neonatal hyperbilirubinemia: A population-based study in Pakistan. Programme for Global Paediatric Research, Symposium: Neonatal hyperbilirubinemia in developing countries. Baltimore, Maryland
- 2007 Childhood disability in low and middle income countries: a review. Pediatric Academic Society Annual Meeting, Toronto, Canada
- 2007 The impact of emollient therapy during the neonatal period on neurodevelopmental outcomes. Pediatric Academic Society Annual Meeting, Toronto, Canada

- 2007 Developing scales, procedures, and intervention programs for childhood autism in Bangladesh. Autism Speaks International Epidemiology Meeting, Seattle, Washington
- 2006 Neurodevelopmental outcomes of children in South Asia: challenges and opportunities. Autism Speaks International Epidemiology Meeting, Montreal, Canada
- 2006 Preventing neonatal infections through skin barrier therapy, Pediatric Academic Society 2006 Annual Meeting, San Francisco, CA
- 2006 Community neonatal death audits: a participatory process to mobilize and empower communities for collective action. Delta Omega Student Poster Competition, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD
- 2006 Perceived Neonatal Morbidities in Rural Uttar Pradesh, India: Effects of a Behavior-Change Communication Intervention (Third Prize). Delta Omega Student Poster Competition, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD
- 2005 Community mobilization and behavior change communications promote evidence-based essential newborn care practices and reduce neonatal mortality in Uttar Pradesh, India [poster]. Countdown to 2015: Tracking Progress in Child Survival, London, UK
- 2005 Update on new findings and priorities for international neonatal health research. Vermont Oxford Network Annual Meeting, Washington, DC
- 2005 1) Etiology, prevention and treatment of neonatal infections in the community, 2) Etiology, prevention and treatment of neonatal infections in the community: Early findings from Projahnmo, a cluster-randomized neonatal and maternal intervention trial in Mirzapur Sub-district of Tangail, Bangladesh [poster], 2) Trends in utilization of referral hospital services for care of sick newborns in a community-based intervention in Tangail District, Bangladesh [poster], 3) Capacity building and technology transfer: Microbiology Laboratory quality control and molecular epidemiology and diagnosis at Dhaka Shishu Hospital, Bangladesh [poster], 4) Etiology of community acquired neonatal infections in Bangladesh [poster]. Wellcome Trust – Burroughs Wellcome Fund Infectious Diseases Initiative 2000, Investigators meeting, Cape Town, South Africa
- 2005 Lessons from implementation of skin-to-skin care in rural India for the development of strategies for community KMC. Global Forum for Health Research, Mumbai, India
- 2005 Moderator, Models for Delivery: Evaluating Neonatal Health Interventions. 32nd Global Health Council 32nd Annual Conference, Washington, DC
- 2005 Global survey of perceptions, experience and recommendations for advancing community-based interventions for birth asphyxia. Pediatric Academic Society 2005 Annual Meeting, Washington, DC

- 2005 Lessons learned from implementation of community-based skin-to-skin care in rural India. CORE Annual Meeting, West Point, New York
- 2004 Global neonatology: Saving Newborn Lives. Vermont Oxford Network Annual Meeting, Washington, DC
- 2004 Low ambient and maternal body temperature in rural Indian homes influences strategy to implement community-based KMC. First International Congress on Kangaroo Mother Care, Rio de Janeiro, Brazil
- 2004 Acceptance of community-based skin-to-skin care in rural India, First International Congress on Kangaroo Mother Care, Rio de Janeiro, Brazil
- 2004 Evidence of community-based newborn health care. American Public Health Association 132nd Annual Meeting, Washington, DC
- 2004 Global review of the impact of community-based newborn health interventions and programs. Global Health Council 31st Annual Conference, Washington, DC
- 2003 Bangladesh: Neonatal IMCI development and assessment of CHW performance, WHO Neonatal IMCI Consultative Meeting, Geneva, Switzerland
- 2003 Development of an immediate newborn care module for neonatal IMCI, WHO Neonatal IMCI Consultative Meeting, Geneva, Switzerland
- 2003 Community-based newborn health trials: Community-based interventions to reduce neonatal mortality in Bangladesh. Program Learning and Innovation in Newborn Health, World Bank, Washington, DC
- 2003 Priorities for advancing newborn health and survival in South Asia. IndiaCLEN Annual Strategic Planning Meeting, Lucknow, India
- 2003 1) Global research priorities for advancing neonatal health; and 2) Global experience (JHU and SNL) in neonatal health research in developing countries, IndiaCLEN Neonatal Health Research Initiative Workshop, Lucknow, India
- 2003 Global review of intervention trials in newborn health. Healthy Newborn Partnership Meeting, Dhaka, Bangladesh
- 2003 Use of perinatal death audit to reduce mortality: what is the evidence? Healthy Newborn Partnership Meeting, Dhaka, Bangladesh
- 2003 Priorities for advancing perinatal health in South Asia. International Perinatal Congress, Dhaka, Bangladesh

- 2002 Survey of perceptions, experience and recommendations for advancing community-based interventions for birth asphyxia. SNL Expert Panel Meeting on Birth Asphyxia, Cape Town, South Africa
- 2002 Birth Asphyxia – gaps in action and in knowledge. American Public Health Association 130th Annual Meeting. Philadelphia, PA
- 2002 Topical therapy for improved epidermal barrier function and prevention of infections in preterm infants. International Society of Bioengineering and the Skin. Baltimore, MD
- 2002 A global survey of community-based health interventions for the newborn – What we know and need to know. White Ribbon Alliance, Saving Mothers’ Lives: What Works, International Conference on Safe Motherhood Best Practices. Delhi, India
- 2002 Antibiotic pharmacology in neonates. Meeting to Explore Simplified Antimicrobial Regimens for the Treatment of Neonatal Sepsis, WHO, Geneva, Switzerland
- 2002 Neonatal verbal autopsy – current state-of-the-art and challenges. Neonatal Verbal Autopsy Workshop, WHO, Geneva, Switzerland
- 2002 Neonatal health priorities. Inaugural Address, Projahnmo Project Workshop, Dhaka, Bangladesh
- 2002 Neonatal verbal autopsy validation. Meeting of the WHO Ad hoc Working Group on Neonatal Morbidity and Mortality, Baltimore, MD
- 2002 Birth asphyxia: a model to estimate the global burden of disease and compare intervention strategies. Meeting of the WHO Ad hoc Working Group on Neonatal Morbidity and Mortality, Baltimore, MD
- 2002 Skin colonization of newborns with multiply resistant bacteria: implications in outbreak of sepsis in the nursery (presented by ASMNU Ahmed). Third National Annual Conference and Scientific Session, Bangladesh Neonatal Forum, Dhaka, Bangladesh
- 2002 Global review of community-based perinatal and neonatal health interventions: implications for programs and policy. Global Health Council 29th Annual Conference, Washington DC
- 2001 State of the world’s newborns - A call to action, (presentation by GLD, presented by Enamul Kabir); Global overview of research priorities in newborn health in developing countries, (presentation by GLD, presented by Izaz Rasul); Regional Workshop of the Asia-Oceania Perinatal Society, Dhaka, Bangladesh.
- 2001 Moderator, Healthy Child Development in a Connected World, Plenary Session, 23rd International Congress of Pediatrics, Beijing, China

- 2001 Supporting a healthy start in developing countries. 23rd International Congress of Pediatrics, Beijing, China
- 2001 State of the World's Newborns, Press Conference, 23rd International Congress of Pediatrics, Beijing, China
- 2001 Cationic antimicrobial peptide expression by keratinocytes in response to bacterial infection (poster, presented by James Dinulos), Annual Meeting, Society for Pediatric Dermatology
- 2001 Impact of natural oils on epidermal barrier function and structure: implications for neonatal health and skin care in developing countries (poster). Annual Meeting, Society for Pediatric Dermatology, Banff, Canada.
- 2001 Conceptual framework for improving newborn health and survival. Global Health Council 28th Annual Conference, Washington DC
- 2001 Moderator, Neonatal Survival Interventions Research Workshop, Plenary Session, WHO, SNL – Save the Children Federation, USAID, Kathmandu, Nepal
- 2001 From research to program implementation; Saving Newborn Lives Initiative; Community-based interventions in perinatal and newborn care: a global review (co-author, presented by Zulfiqar Bhutta; Global priority interventions and research priorities for advancing neonatal health and survival in developing countries. WHO, SNL – Save the Children Federation, USAID, Neonatal Survival Interventions Research Workshop, Kathmandu, Nepal.
- 2001 Moderator, Advancing Newborn Health and Survival in Pakistan – a call to action, Plenary Session. 10th National Pediatric Conference, Bhurban, Pakistan Pediatric Association
- 2001 Global newborn health – challenges and opportunities. Symposium: Saving Newborn Lives in Pakistan. 10th National Pediatric Conference, Bhurban, Pakistan
- 2001 Community management of neonatal infections. JHU, Research to Support the Household and Community Component of the Integrated Management of Childhood Illness Approach, Baltimore, MD
- 2000 Research and programmatic priorities for reducing neonatal morbidity and mortality. Global Health Council 27th Annual Conference, Arlington, VA
- 1999 Prevention and treatment of neonatal infections in developing countries: post-partum strategies. JHU, Reducing Perinatal and Neonatal Mortality – Review of Potential Interventions and Implications for Programs and Research, Baltimore, MD
- 1999 Innate antimicrobial defenses of human skin. Gordon Research Conference, Barrier Function of Mammalian Skin, Barga, Italy

- 1998 The skin and nutritional problems of the newborn. International Congress of Neonatal Dermatology, Bari, Italy
- 1998 Role of group A streptococcal virulence factors in the pathogenesis of skin infections (poster). Child Health Research Centers Annual Meeting, Dana Point, CA
- 1997 Pathogenesis of group A streptococcal skin infection: factors affecting bacterial adherence to keratinocytes (poster). Annual Meeting, Society for Pediatric Dermatology, Sun Valley, ID
- 1997 Factors affecting adherence of group A streptococcus to keratinocytes. Residents and Fellows Symposium, 55th Annual Meeting, American Academy of Dermatology San Francisco, CA
- 1997 Role of keratinocyte differentiation, injury and cytokines on adherence of Streptococcus pyogenes. Research Update, Society for Pediatric Dermatology, Pre-American Academy of Dermatology Meeting, San Francisco, CA
- 1996 Update on oral antibiotic therapy for skin infections in children. Pediatric Dermatology Symposium, 54th Annual Meeting, American Academy of Dermatology Washington DC
- 1993 Malnutrition-associated rash of cystic fibrosis (poster). 52nd Annual Meeting, American Academy of Dermatology, Washington DC
- 1993 Rash in patients with cystic fibrosis and malnutrition (poster). Annual Meeting, Society for Pediatric Dermatology, Snowmass, CO