Dear Friends and Colleagues,

UCSF Global Health Sciences had another exceptional year in 2016 as we continued to grow our programs, partnerships and funding support—all with the goal of improving health and reducing the burden of disease in the world’s most vulnerable populations. Our work translates evidence and innovation into policy and practice that improves health and health care systems in low-income settings.

This annual report describes some of our achievements in 2016 and their impact. None of these would be possible without our excellent leadership team, faculty and staff; the collaboration of our partners here at UCSF and around the world; and the generosity of our funders.

Education

The year began on an auspicious note for our education program as we welcomed our first cohort of PhD students: five exceptional people who are preparing to be global health leaders of the future. As I write, they are finishing their coursework, studying for qualifying exams and preparing for their research in areas as diverse as health systems, health policy and social and behavioral health.

While these inaugural students move on to the next phase of their program, we are preparing to welcome another exceptional PhD cohort with a wide range of research interests.

Meanwhile, our master’s program continues to thrive, as we graduated our eighth class in July and welcomed the next class a month later. One of the most inspiring activities I witness each year is the student presentations of their capstone research projects. The quality of the research and their dedication to making a difference in the field of global health is laudable. We now have more than 240 master’s alumni working around the world in various global health careers.
Our education mission is not limited to our formal degree programs. We also build capacity for global health research and leadership in low- and middle-income countries through a wide range of education and training programs. For example, our Global Strategic Information (GSI) group trains scientists in various research methods as well as in scientific writing and grant writing in order to increase the number of local researchers and to ensure their findings get a broad audience.

In Ukraine, George Rutherford, MD, and others on the GSI team worked with Bogomolets National Medical University in Kiev to develop and conduct a public health certification course to train employees who will work in Ukraine’s new National Public Health Center. Now those we trained are training others.

Our faculty and staff provide this type of capacity building training across a wide range of subjects and countries, from using data to make decisions to improving healthcare during labor and delivery.

Every year, we also host dozens of lectures and symposiums as part of our education mission. I’m particularly proud of two events we organized and hosted in 2016.

In March, we co-hosted here at UCSF a major symposium on Zika, “Preparedness for the Zika Virus: A Public Health Emergency.” The symposium brought together UCSF and other Bay Area experts to discuss the clinical, research and policy issues raised by the epidemic. It created the opportunity for researchers, academics and health care providers to discuss the issues, define a research agenda and inform the public.

The following month, GHS welcomed more than 2,000 faculty, researchers, students and staff from universities across the country and around the world to the annual conference of the Consortium of Universities for Global Health (CUGH). The conference, “Bridging to a Sustainable Future in Global Health,” built on the Sustainable Development Goals.

As chair of the CUGH planning committee, I was pleased to see so many students involved in the planning and to see people engaged with the presenters and one another on topics ranging from planetary health to disease eradication to health policy and diplomacy.

It was the largest CUGH conference to date. It also was a homecoming of sorts for the organization, which was co-founded by UCSF Chancellor Emeritus Haile T. Debas, MD, and headquartered at GHS for many years.
Research

In our sponsored programs, we continue in partnership with our funders and others to make huge contributions in areas such as malaria elimination, HIV/AIDS research and implementation science.

The Bill & Melinda Gates Foundation renewed their grant to our Malaria Elimination Initiative, which continues to work with partners in Southern Africa, Asia Pacific and other locales to eliminate malaria. In 2016, Sri Lanka, one of MEI’s country partners, was declared malaria-free by the World Health Organization. The Gates Foundation’s award of $29 million over the next five years will enable us to continue to develop tools, test interventions and support efforts to eliminate the disease.

We also received a five-year, $38 million grant from the Centers for Disease Control to work with the California Department of Public Health (CDPH), a long-time partner, to provide surveillance, data analysis, health promotion and quality improvement to address prevention and control of sexually transmitted diseases in California. We also work with the CDPH on lead poisoning prevention, immunizations and TB control and prevention. We are particularly proud to have been involved in developing a five-year action plan to eliminate TB in California by 2040.

We continue our work for the President’s Emergency Plan for AIDS Relief (PEPFAR), working in many countries to strengthen the capacity of country stakeholders to collect, synthesize and use strategic information to inform, guide and monitor evidence-based responses to the HIV epidemic.

In addition, we have a growing portfolio of work in maternal and newborn health, including two projects in India. The first is our research collaboration with PRONTO International aimed at improving the quality of maternal and newborn care through provider training programs; the second evaluates a new mobile health intervention to improve the effectiveness and efficiency of community health workers in providing food, education and care to babies, children and pregnant and lactating women.

To reflect our expanding expertise in maternal and newborn health research and to more effectively collaborate with others at UCSF, we launched the Global Maternal and Newborn Health Research Cooperative, a campus-wide

Left: This map on our Malaria Elimination Initiative’s website (shrinkingthemalariamap.org) shows elimination progress from 1900 to 2040.
A mother practices kangaroo care—skin-to-skin contact—which our research shows can save premature babies’ lives. Photo courtesy of the Pan American Health Organization.

collaboration under the direction of Dilys Walker, MD. The Cooperative brings together researchers and clinicians across UCSF to learn, facilitate collaborations, strengthen each other’s work and generate opportunities for future funding and growth.

The Cooperative hosted a symposium on quality of care for mothers and newborns in December. Following the symposium, we co-sponsored a local launch of The Lancet Maternal Health series, for which our faculty member Suellen Miller, PhD, CNM, MHA, professor of obstetrics, gynecology and reproductive health, was a lead author.

**Policy and Advocacy**

At GHS, we’ve long understood the importance of and need for policies at the highest levels of governments to support effective and efficient health care for a country’s population. This may be doubly true in low-income countries that do not have sufficient resources to care for their people.

We are privileged to have many well-respected, world-renowned experts among our leadership and faculty who continue to shape global health policy. They meet with government leaders and use their influence to advocate for health policies and health financing.

Eric Goosby, MD, for example, was recently reappointed by new United Nations Secretary-General Antonio Guterres as the UN Special Envoy on Tuberculosis. In that role, Dr. Goosby arranged three days of meetings in Nigeria with the Minister of Health, the wife of the president of Nigeria, the health leadership in the National Assembly, journalists, partner funders and other governmental representatives to raise awareness of TB.

Similarly, Sir Richard Feachem, KBE, DSc(Med), PhD, who directs our Global Health Group, played a significant role in the United Kingdom’s strong support of the replenishment of the Global Fund to Fight AIDS, TB and Malaria. Feachem and Global Fund Executive Director Mark Dybul, MD, addressed members of Parliament (MPs), emphasizing the impact the Global Fund has had in reducing HIV, TB and malaria and urging
In our offices in Kenya, Mozambique, Namibia and Uganda, we also employ local informatics professionals who provide technical and managerial expertise to design, develop and effectively use health information systems to inform evidence-based decision-making and strategic planning.

These are just a few of the many ways Global Health Sciences made an impact around the world in 2016.

As I look to the future, I would be remiss not to address the seismic impact the 2016 US election has had on our country and the world. At this writing, research funding, foreign aid and other health funding that are so important to our work are at risk. Despite that, I am optimistic. I think many in the US and around the world are reminded of the effectiveness of working together for the common good. In collaboration with our many colleagues, partners and funders, we will continue to find ways to advance health worldwide.

Thank you!

Jaime Sepulveda, MD, MPH, DrSc
Executive Director
Haile T. Debas Distinguished Professor
Leadership

GHS Leadership

Alden Blair, MSc, PhD(c)
Associate Director, Master of Science Program

Craig Cohen, MD, MPH
Chair, Graduate Group

Molly Cooke, MD
Director, Education

Madhavi Dandu, MD, MPH
Director, Master of Science Program

Haile T. Debas, MD
Founding Executive Director, Global Health Sciences

Elizabeth Fair, PhD, MPH
Associate Director, Master of Science Program

Richard Feachem, KBE, DSc(Med), PhD
Director, Global Health Group

Eric Goosby, MD
Director, Global Health Delivery and Diplomacy

George Rutherford, MD
Director, Global Strategic Information

Jaime Sepulveda, MD, MPH, DrSc
Executive Director, Global Health Sciences

Christopher Stewart, MD
Principal Investigator, Global Health Leadership Program

Lisa Thompson, RN, FNP, PhD
Director, PhD Program

Paul Volberding, MD
Director, Global Health Research
Director, AIDS Research Institute

Dilys Walker, MD
Director, Maternal and Newborn Health Research Cooperative

UCSF Leadership Council for Global Health

T. Robert “Bob” Burke
Leadership Council Co-Chair
Managing Director (retired), Metropolitan Real Estate Equity Management

William J. Rutter
Leadership Council Co-Chair
Chairman and Chief Executive Officer, Synergenics, LLC

Haile T. Debas
Director Emeritus, UC Global Health Institute

Richard Feachem
Director, UCSF Global Health Sciences

Nicholas Hellmann
Executive Vice President of Medical and Scientific Affairs, Elizabeth Glaser Pediatric AIDS Foundation

Sandra R. Hernández
President and Chief Executive Officer, California HealthCare Foundation

Jeffrey (Jeff) Hessekiel
Executive Vice President and General Counsel, Exelixis, Inc.

Mary Anne Koda-Kimble
Dean Emeritus, UCSF School of Pharmacy

The Honorable Howard H. Leach
President, Leach Capital, LLC

Cecilia C. M. Lee
Chairman, David S. L. Lee Foundation

David S. Lee
Chairman of the Board, eOn Communications Corporation

Sanford R. “Sandy” Robertson
Founder, Francisco Partners

Jaime Sepulveda
Executive Director, Global Health Sciences

Haile T. Debas Distinguished Professor

David (Dave) Smith
President, Interpacific Group

Holly Smith
Associate Dean Emeritus, UCSF School of Medicine

Michael (Mickey) Urdea
Managing Partner, Halteres Associates

Phyllis Whiteley
Partner, Mohr Davidow Ventures; Co-founder & Chief Executive Officer of Didimi

GHS Administration

Jeremy Alberga, MA
Chief Operating Officer, Global Health Group

Inez Bailey, MS
Manager, Education Programs

Colin Boyle, MBA
Deputy Director, Global Health Sciences

Rebecca Cantor
Managing Director, AIDS Research Institute

Jane Coyne
Director, Tuberculosis Programs

Jane Drake
Director, Global Operations

Lissette Irizarry
Senior Executive Assistant to the Director

Alisa Jenny
Strategic and Technical Advisor

Usma Khan, MS
Director, Staffing and Strategic Operations

Catherine Lee, MPH
Deputy Director, UC Global Health Institute

Amy Lockwood, MBA, MS
Chief of Staff, Global Health Delivery and Diplomacy

Georgina Lopez
Director, Finance and Administration

Hannah Park
Deputy Director, Maternal and Newborn Health Research Cooperative

Kyle Pusateri
Director of Operations, Global Health Group

Anne Wolf
Manager, Communications

Kelly Young, MA
Deputy Director, Global Strategic Information
Financials

**Fund Sources**

- Total: $63,711,671

**Fund Uses**

- Total: $63,359,280

**Major Funders of Sponsored Projects**

- 36%
- 30%
- 17%
- 9%
- 8%
- 5%
- 4%
- 3%
- 2%
- 1%

**Data on this page reflects in-year project expenditures for fund year July 1, 2015–June 30, 2016. Total grants awarded in the fund year equal $63,455,000. Totals include the AIDS Research Institute.**
We are grateful to the individuals, families and organizations that provided generous support to help us advance GHS and ARI research and programs in 2016.

Corporations and Foundations

amfAR: The Foundation for AIDS Research
Bill & Melinda Gates Foundation
California Foundation for Molecular Biology
Chevron
Drollinger Family Charitable Foundation
ExxonMobil Foundation
Gartner Matching Gift Center
Gilead Sciences, Inc.
Glaser Progress Foundation
Horace W. Goldsmith Foundation
Johnson & Johnson
Novartis Foundation for Sustainable Development
Peter and Shelagh Godsoe Family Foundation
Results for Development Institute (R4D)
W. Clarke Swanson, Jr. Foundation
Universidad Nacional Autonoma de Mexico (UNAM)

Individuals and Families

$100,000–$500,000
Katherine S. and T. Robert Burke

$10,000–$99,000
Jennifer Babik
Charitable Fund
Jeffrey Jennings
Michael Steinberg

$1,000–$9,999
Molly M. Cooke and Paul A. Volberding
Leon F. Drozd, Jr.
James Ely
Ilona J. Frieden and Mark A. Jacobson
Deborah and John S. Greenspan
Janice J. and William B. Kerr
Sharon and Jay A. Levy
Michael R. Light
John B. Morey, Jr.
Steven Phillips
Catherine S. and John M. Sanger
Andrea Martin and Jaime Sepulveda
Isabel Swift
Ted Taplin
Vijaya and Anjani Thakur
A. Eugene Washington
Sophy S. Wong and Young W. Choi

$100–$999
Anonymous
William W. Atkins
Anna and Ara J. Bagdasarian
Alvin H. Baum, Jr.
Michael P. Busch
Margaret M. Byrnes
James M. Campbell
Rebecca E. Cantor
Margaret A. Chesney and David E. Anderson
Peter Y. Clark
Craig R. Cohen
Ellen Daniell and David H. Gelfand
Greta L. and Brian C. Davison
Edna M. Frigo
Monica R. Gerber
Estate of Marie A. Gillespie
Diane V. Havlir and Arturo Martinez
Peter Hunt
Stephen D. Hutcheon
Evan Kavanagh and Andrew Harkins
Laurel Koepnik and James L. Sorensen
Robert W. Krause
Teri Liegler and Terry London
Tom Lieu
Marguerita A. Lightfoot
Sheri A. Lippman and Nancy H. Lippman
Jeffrey N. Martin
Michiko Masters
William T. McCluskey
Bruce McIntyre
David E. Meders
Michael N. Murphy
William K. Nisbet
Susan E. Nonaka-Wong and Alvin F. Wong
Alexandra M. and Philip J. Norris
Hannah Park
Patricia E. Perry and Stephen J. McPhee
Carmen J. Portillo and Douglas E. Eckman
Gabriel A. Proo and Max C. Kirkeberg
Edward M. Reyes
Robert S. Rhine
John T. Robinson
Alan F. Sauer
Hyman M. Scott
Simon Sheppard and William W. Atkins
Peggy S. and James L. Shiowitz
Geoffrey Sledge
Stephen L. Sloan
Ward O. Smith
Kathryn S. and Timothy D. Statton
Alexis S. and Trevor D. Traina
Victor G. Valour and Douglas G. Janes
David H. Wacker
Jinmei Woan

Listings are for the 2016 calendar year.
Front cover, top: Community clinic in Mpanga, Uganda; front cover, bottom: A member of a community cooperative in Nkozi, Uganda. Photos by Matthew Gillooley.

Back cover: In Diganwewa, Sri Lanka, villagers learn how to prevent malaria and recognize warning signs. In 2016, Sri Lanka was declared malaria-free. Photo: The Global Fund/Kuni Takahashi.