

SYMPOSIUM IN HONOR OF
JOHN F. MURRAY, MD

PROGRAM
SPEAKERS

MARCH 30, 2023

For support of this symposium, we would like to acknowledge:

The Murray Family

ZSFG Division of Pulmonary and Critical Care Medicine

UCSF Center for Tuberculosis

UCSF Division of Pulmonary, Critical Care, Allergy and Sleep Medicine

UCSF Dean's Office

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Symposium In Honor of John Murray

March 30, 2023

8:00-8:30: Light breakfast

Co Chairs: **Courtney Broaddus, Phil Hopewell**

8:30-8:45: Family welcome, **Diane Johnson**

8:45-9:00: Welcome from UCSF and personal reflections, **Talmadge King**

9:00-9:15: John Murray in the ICU: a nurse's perspective, **Missy Chen**

9:15-9:30: The Murray legacy at SFGH (ZSFG), **Brian Graham**

9:30-9:40: Overview of the program, **Phil Hopewell**

9:40-10:00: Break

10:00-10:30: A new global definition of ARDS, **Michael Matthay**

10:30-11:00: ARDS-the future, **Carolyn Calfee**

11:00-11:30: Managing COVID-19-associated ARDS in a low resource setting, **Juliana Ferreira**

11:30-12:00: The impact of COVID-19 on existing public health programs in low resource settings, **Eric Goosby**

12:00-1:00: Lunch

1:00-1:30: Knowledge transfer in pulmonary and critical care medicine: The current and future role of textbooks, **Courtney Broaddus**

1:30-2:00: Knowledge transfer in pulmonary and critical care medicine: The current and future role of journals, **Kirsten Bibbins-Domingo**

2:00-2:30: The pulmonologist/intensivist of the future: competencies and training, **Steve Weinberger**

2:30-2:45: Break

2:45-3:15: Global lung health: a comprehensive view, **Richard van Zyl-Smit**

3:15-3:45: The role of professional societies in global lung health, **Lynn Schnapp**

3:45-4:30: The future of pulmonary and critical care medicine: what should we be doing now?
Panel (Matthay, Calfee, Ferreira, Weinberger, van Zyl-Smit, Schnapp)
Moderators: Broaddus, Hopewell

4:30-5:00: General discussion

5:00-6:00: Reception



V. Courtney Broaddus, MD

Professor of Medicine Emeritus, UCSF

V. Courtney Broaddus is a Professor of Medicine Emeritus at the University of California San Francisco. After college at Duke University (BS, Zoology) and medical school and internal medicine residency training at the University of Pennsylvania School of Medicine, she came to the University of California San Francisco for pulmonary fellowship. Her research years were spent in the physiology lab of Dr. Norman Staub, where she studied the formation of pleural effusions. Among other findings, she established the role of lung edema as the source of transudative pleural effusions and confirmed that liquid leaves the pleural space via lymphatics. Soon she was invited by John Murray to revise the pleural effusion chapter in the 1st edition of *Murray & Nadel's Textbook of Respiratory Medicine*. This foray into editing led to a career-long association with the textbook, of which she is now Editor-in-chief.

She later studied mesothelial cell biology and pleural mesothelioma with an emphasis on the use of in vitro 3D models. She served as President of the International Mesothelioma Interest Group and was awarded the Wagner Medal (2016). She later received two ATS awards, the Elizabeth Rich Award (2018) and the Trudeau Medal (2022).

For 20 years, she served as Chief of the Pulmonary Division at the San Francisco General Hospital. She was the third Chief, after John Murray and Phil Hopewell. She continues to attend on the consult service. Nowadays, she is dedicated to editing the *Murray & Nadel's Textbook of Respiratory Medicine* and completing the funding for the John F. Murray Distinguished Professorship, of which she was the inaugural holder.



Philip Hopewell, MD

Professor of Medicine Emeritus, UCSF

Dr. Hopewell is a Professor of Medicine Emeritus, at the University of California San Francisco where he has been a faculty member for the past 50 years, all at Zuckerberg San Francisco General Hospital. He followed John Murray as Chief of Pulmonary and Critical Care Medicine and subsequently was Associate Dean, responsible for the University's activities at ZSFG. He is the founder of the Curry International Tuberculosis Center at UCSF, which provides education, technical assistance, and training in TB domestically and internationally. His academic career has focused on clinical and epidemiological studies of tuberculosis and HIV-associated pulmonary conditions in both low-and high-burden settings.

Dr Hopewell is a previous President of the American Thoracic Society and in 2004 received the Society's Trudeau Medal that recognizes lifelong major contributions to the prevention, diagnosis, and treatment of lung disease. In 2009 he was awarded The Princess Chichibu Global Memorial TB Award awarded by the Japan Anti-Tuberculosis Association in recognition of outstanding contributions to global TB control. He was also awarded the Union Medal by the International Union Against Tuberculosis and Lung Disease in recognition of "outstanding contributions to the control of tuberculosis or lung health." Dr. Hopewell received the UCSF Lifetime Achievement in Mentoring Award in 2008. Finally, he is particularly honored to have received the John F. Murray Award at ZSFG (2009) for academic excellence and dedication to the humanitarian mission of ZSFG.



Diane Johnson

Professor Emerita of English, UC Davis

Diane Johnson is the author of seventeen novels and works of non-fiction, including *Le Divorce*, *Health and Happiness* (set in SF General), and *The True History of the First Mrs. Meredith*. She is a frequent contributor to the New York Review of Books and wrote the screenplay with Stanley Kubrick for his horror classic, *The Shining* (1980). Diane is Professor Emerita of English at UC Davis. She and John Murray were married in 1968 and enjoyed a combined family of 7 kids. She divides her time between San Francisco and Paris.



Talmadge E. King, Jr., MD

Dean of the School of Medicine
Vice Chancellor-Medical Affairs, UCSF

Talmadge E. King, Jr., MD is Dean of the School of Medicine and Vice Chancellor-Medical Affairs at the University of California San Francisco (UCSF). Dr. King is a member of the National Academy of Medicine, the American Academy of Arts and Sciences, the Association of American Physicians, the American Clinical and Climatological Association and the Fleischner Society. He is a Master of the American College of Physicians and a Fellow of the American College of Chest Physicians. Dr. King is a past president of the American Thoracic Society (ATS) and Secretary/Treasurer of the American Board of Internal Medicine (ABIM). He received the Trudeau Medal from the ATS, the Breathing for Life Award from the Foundation of the ATS and the 2016 Association of Professors of Medicine Robert H. Williams, MD Distinguished Chair of Medicine Award. His research interest is the pathogenesis, diagnosis and management of inflammatory and immunologic lung injury. His bibliography comprises more than 300 publications. He has co-authored 16 books, including the reference books *Interstitial Lung Disease (5th edition)* and *Murray & Nadel's Textbook of Respiratory Medicine (7th edition)*.



Melissa "Missy" Chen BA, BSN

Registered Nurse, SFGH

Melissa "Missy" Chen BA, BSN. Missy has been a Registered Nurse at SFGH since 2001 (she was a nursing student in the MICU in 2000). She received her BA in Biology from Grinnell College in 1993 and her Bachelor of Science in Nursing from San Francisco State University in 2001. Missy has been the designated Charge Nurse in the Medical/Cardiac ICU at SFGH since 2006. She is a contributor to the award winning podcast The Nocturnists and was featured on CBS This Morning's "COVID-19, A Time Capsule of COVID". Her audio contribution to this podcast is currently housed in the United States Library of Congress.



<http://coviddiaries.thenocturnists.com/4BuC1GbDrHySyolDuNCNUy>



<https://www.youtube.com/watch?v=xF1Q72Fad0c>



Brian B. Graham MD

Chief of the Division of Pulmonary and Critical Care Medicine, SFGH

Brian Graham is the Chief of the Division of Pulmonary and Critical Care Medicine at Zuckerberg San Francisco General Hospital (ZSFG) and current holder of the John F. Murray, MD Distinguished Professorship in Pulmonary Medicine at the University of California San Francisco. Dr. Graham received his undergraduate and a master's degree from the Massachusetts Institute of Technology, and his medical degree from Harvard University. He completed his residency and pulmonary-critical care fellowship at the University of Colorado, and was on the faculty at the University of Colorado for 9 years prior to moving to UCSF and ZSFG in 2019.

Dr. Graham's research has focused on the role of inflammation in the pathogenesis of pulmonary hypertension, employing a mouse model of schistosomiasis-associated pulmonary hypertension. His recent research has studied the role of T cells and the activation of TGF-beta by thrombospondin-1 in pulmonary hypertension. Clinically, he attends on the pulmonary consult and medical intensive care unit inpatient services, and in the outpatient Chest clinic at ZSFG.



Michael A. Matthay, MD

Professor of Medicine and Anesthesia, UCSF

Michael A. Matthay, MD is a Professor of Medicine and Anesthesia at the University of California San Francisco and a Senior Associate at the Cardiovascular Research Institute. He is Associate Director of Critical Care Medicine at UCSF Parnassus. He received his AB from Harvard University and his MD from the University of Pennsylvania School of Medicine. Dr. Matthay received clinical training in Internal Medicine at the University of Colorado and in Pulmonary and Critical Care Medicine from the University of California San Francisco. He also received research training in the Cardiovascular Research Institute. He is a former Chair of the Respiration Section of the American Physiological Society and he served as a member (1995-2000) and chair (1998-2000) of the NIH Lung Biology and Pathology study section. He received an American Thoracic Society award for Scientific Achievement in 2002 and the UCSF Award for Outstanding Clinical Research in 2006, Honora Causa from the University of Paris (2011), Lifetime Achievement award for Mentoring at UCSF (2013), the Trudeau Medal for research, teaching and clinical contributions from the American Thoracic Society (2014). He is a member of the American Association of Physicians (2001). He also received the UCSF Molecular Medicine Mentor of the Year (2016), the SMART Award for Innovative Research Contributions (Milan, Italy) (2019) and the UCSF School of Medicine Inquiry Award for Long Term Mentoring (2021).

Dr. Matthay's basic research is focused on mechanisms of salt, water, and protein transport across the alveolar epithelium that account for the resolution of pulmonary edema. He also studies the pathogenesis and resolution of pulmonary edema, acute lung injury, and the clinical counterpart, the acute respiratory distress syndrome (ARDS). His recent research has also focused on the biology and potential clinical use of allogeneic bone marrow-derived mesenchymal stromal (stem) cells for acute lung injury. He has led several phase 2 and 3 NIH-funded clinical trials and is currently Principal Investigator for UCSF and the California Consortium for the Prevention and Treatment of Acute Lung Injury Trial (NHLBI). He has also been active in leading clinical trials for COVID-19.



Carolyn S. Calfee, MD

Professor of Medicine and Anesthesia, UCSF

Carolyn S. Calfee, MD MAS is Professor of Medicine and Anesthesia at the University of California San Francisco, where she attends in the intensive care units. She received her undergraduate degree from Yale University, obtained her medical degree from the University of Pennsylvania School of Medicine, and completed her residency, chief residency, and pulmonary fellowship at the University of California San Francisco. Her primary academic focus is the pathogenesis and treatment of the acute respiratory distress syndrome (ARDS), with special interest in molecular phenotypes and precision medicine in critical care, the role of environmental exposures in acute lung injury, and novel treatments for ARDS and sepsis.

She is the recipient of Young Physician-Scientist Award from the American Society for Clinical Investigation (2013), a Mid-Career Gold Medal in ARDS from the European Respiratory Society (2021), and a Recognition Award for Scientific Accomplishments from the American Thoracic Society (2022).



Juliana Ferreira, MD

Associate Professor, University of Sao Paulo

Juliana Ferreira, MD is a physician-scientist in pulmonary and critical care in Sao Paulo, Brazil, and, as an Associate Professor at the University of Sao Paulo, she strives to leverage her expertise to help improve research, education and patient care at her Institution. She was trained in the University of Sao Paulo Medical School, where she went to medical school and completed her residency and pulmonary and critical care fellowship. After fellowship, she received a scholarship to complete her PhD at the Massachusetts General Hospital, where she was a research fellow for 18 months. Her research is focused on respiratory failure and mechanical ventilation. She has received two grants from the Brazilian Government agencies to carry out research projects that trained doctoral students and published scientific manuscripts in high-impact journals. During her career, she has been involved in several successful international collaborative research projects and received two awards for executing international research projects, The ATS Foundation Research Award in 2017 and The Philip Hopewell Prize for Global Respiratory Health Research in 2022. As an advisor in the Graduate Program in Pulmonology at the University of Sao Paulo, she teaches research methods and mechanical ventilation and has been fortunate to lead a group of very enthusiastic and competent doctoral students. She is co-supervisor of the fellowship program in pulmonology at Hospital das Clínicas at FMUSP and, in this role, has been dedicated to developing high-quality curricula to train the next generation of young pulmonologists. In addition, she currently serves as faculty and director in Latin America of the American Thoracic Society Methods in Epidemiologic, Clinical, and Operations Research (MECOR) research training program, whose mission is to aid the improvement of global lung health through the development of local, country, and regional lung disease research capacity in low- and middle-income countries.

As a professor at a public university, she considers it essential to develop research and teaching activities with an impact on public health. During the COVID-19 pandemic, she actively participated in the care of critically ill patients, carried out epidemiological research projects that contributed to understanding of this new disease, and helped coordinate and record video tutorials in mechanical ventilation for frontline healthcare professionals, which were produced in a few days at the end of March 2020, disseminated free of charge and viewed over 300,000 times by frontline workers across the country.



Eric Goosby, M.D.

Professor of Medicine, UCSF

Eric Goosby, M.D., is an internationally recognized expert on infectious diseases, with a specialty in HIV/AIDS clinical care, research, and policy. During the Clinton Administration, Dr. Goosby was the founding director of the Ryan White CARE Act, the largest federally funded HIV/AIDS program in the U.S. He went on to become the interim director of the White House's Office of National AIDS Policy. In the Obama Administration, Dr. Goosby was appointed Ambassador-at-Large and implemented the U.S. President's Emergency Plan for AIDS Relief (PEPFAR), which, under his tenure, significantly expanded life-saving HIV treatment to millions in Sub Saharan Africa, SE Asia, and Eastern Europe.

After serving as the U.S. Global AIDS Coordinator, he was appointed by the UN Secretary-General as the Special Envoy on Tuberculosis in 2015 where he focused on the first-ever UN High-Level Meeting on TB in 2019. Most recently, he served as a member of the Biden-Harris Transition COVID-19 Advisory Board. Currently a Professor of Medicine at the UCSF School of Medicine, he is leading the Center for Global Health Delivery, Diplomacy and Economics, Institute for Global Health Sciences. He is a member of the Western States Scientific Safety Review Workgroup, and serves on the San Francisco Dept. of Public Health Policy Group for the COVID-19 Response.



Kirsten Bibbins-Domingo

Editor-in-Chief, *Journal for the American Medical Association*
Professor of Epidemiology and Biostatistics, UCSF

Kirsten Bibbins-Domingo, PhD, MD, MAS is 17th Editor-in-Chief of the *Journal for the American Medical Association*. She is the Lee Goldman, MD Professor of Medicine and Professor of Epidemiology and Biostatistics at the University of California San Francisco. She previously served as the Chair of the Department of Epidemiology and Biostatistics and as the inaugural Vice Dean for Population Health and Health Equity in the UCSF School of Medicine. She co-founded the UCSF Center for Vulnerable Populations at Zuckerberg San Francisco General Hospital that focuses on actionable research to improve health equity and reduce health disparities.

Dr. Bibbins-Domingo is a general internist and cardiovascular epidemiologist whose scholarship includes observational epidemiology, pragmatic trials, and simulation modeling to examine clinical and public health approaches to prevention in the US and globally. She previously served on and led the US Preventive Services Task Force from 2010-2017. She has received numerous honors, including induction into the American Society for Clinical Investigation, the National Academy of Medicine, and the American Academy of Arts and Sciences.



Steven E. Weinberger, MD, MACP, FRCP

Executive Vice President and Chief Executive Officer Emeritus
American College of Physicians
Adjunct Professor of Medicine
Perelman School of Medicine of the University of Pennsylvania

Steven Weinberger, MD, MACP, FRCP retired in September, 2016 from his position as Executive Vice President and Chief Executive Officer (EVP/CEO) of the American College of Physicians (ACP), the national organization for internal medicine and the largest medical specialty society in the United States. He assumed the position of EVP/CEO in 2010, after having served for 6 years as ACP's Senior Vice President for Medical Education and Publishing. An internist and pulmonologist, Dr. Weinberger is also Adjunct Professor of Medicine at the University of Pennsylvania, where he teaches and supervises medical students and physicians in pulmonary fellowship training.

Prior to joining ACP, Dr. Weinberger served on the full-time faculty at Harvard Medical School for more than 25 years. He was a Professor of Medicine at Harvard and at various times served as Chief of the Pulmonary and Critical Care Division at Beth Israel Hospital/Beth Israel Deaconess Medical Center (BIDMC), Executive Vice Chair of the Department of Medicine at BIDMC, Executive Director of the Carl J. Shapiro Institute for Education and Research, and Faculty Associate Dean for Medical Education at Harvard. Dr. Weinberger has authored more than 150 articles and book chapters as well as a popular textbook, *Principles of Pulmonary Medicine*, now in its seventh edition and translated into multiple languages. He has served on the Editorial Board of *The New England Journal of Medicine* and was the Founding Editor-in-Chief of the Pulmonary and Critical Care Medicine component of *UpToDate*, the most widely used clinical and decision-support resource for physicians. Dr. Weinberger has been on the boards of several healthcare-related organizations and has served as President of the Harvard Medical Alumni Association and as President of the Council of Medical Specialty Societies.

Dr. Weinberger received his M.D. from Harvard and residency training in internal medicine at the University of California San Francisco, followed by fellowship training in pulmonary medicine at the National Heart, Lung and Blood Institute. He is the recipient of numerous Harvard Medical School and national teaching awards, including the Robert J. Glaser Distinguished Teacher Award from Alpha Omega Alpha. Dr. Weinberger has been named a Master of the American College of Physicians and a Fellow of the Royal College of Physicians (London). He has received the Medical Executive Lifetime Achievement Award from the American Medical Association, the Pressman Award for Distinguished Service to Internal Medicine from the Pennsylvania Chapter of ACP, and in appreciation of his leadership of ACP, the organization's Board of Regents established a new annual award, the Steven E. Weinberger Award for Physician Executives/Leaders.



**Professor Richard van Zyl-Smit
MBChB, FRCP(UK), Dip HIV(Man), MMED,
FCP(SA), Cert Pulm(SA), PhD, ATSF**

Professor of Pulmonology, University of Cape Town

Professor Richard van Zyl-Smit is a Professor of Pulmonology and consultant pulmonologist in the Division of Pulmonology, Department of Medicine at the University of Cape Town and Groote Schuur Hospital, Cape Town South Africa. He is a principal researcher at the UCT Lung Institute.

After qualifying as a pulmonologist in 2007, he completed his PhD investigating the effects of tobacco smoke and nicotine on human pulmonary defence mechanisms to tuberculosis infection. He was supported by an NIH Fogarty fellowship and additionally completed a Post-Doctoral Fellowship at UMDNJ. His major research interests are airways diseases specifically: asthma and COPD with a focus on tobacco, household air pollution, electronic cigarettes and their impact on pulmonary immune responses (to pneumococcal and mycobacterial infection) and the development of COPD, particularly in low income settings.

After a 5-year period as head of the Lung Clinical Research Unit at the UCT Lung Institute, he took up a full-time appointment at the University and Groote Schuur Hospital, being promoted to Full Professor in 2020. He has over 100 peer review publications spanning from smoking cessation, vaping, smoking and infections, TB and critical care to asthma and COPD. He furthermore has authored two books on mental health and sustainability in academia and medicine.

Currently he serves as the president of the South African Thoracic Society, co-chair of the American Thoracic Society International Health Committee, and is a global GINA ambassador. He has led the guideline committees in South Africa for asthma, COPD and smoking cessation. He supports the Pan African Thoracic Society as a level lead in the MECOR training programme.



Lynn M Schnapp, MD

Professor and Chair of the Department of Medicine,
University of Wisconsin-Madison School of Medicine
and Public Health

Lynn M Schnapp, MD, ATSF is the George R. and Elaine Love Professor and Chair of the Department of Medicine at the University of Wisconsin-Madison School of Medicine and Public Health and the Immediate Past President of the American Thoracic Society. Dr. Schnapp received her BS from MIT, her MD and medicine residency training from the University of Pennsylvania School of Medicine, and her pulmonary and critical care fellowship training at UCSF. After several years as a faculty member at San Francisco General Hospital, Dr. Schnapp joined the faculty at the Icahn School of Medicine at Mount Sinai in New York and later the University of Washington School of Medicine. In 2013, she was recruited to the Medical University of South Carolina to become the Division Chief of Pulmonary, Critical Care, Allergy and Sleep Medicine. In March of 2020, she accepted a position as Chair of Medicine at the University of Wisconsin, just as the country shut down during the COVID pandemic.

Dr. Schnapp leads a successful research program in lung injury and repair, including HIV-related lung disease. She has a long-standing interest in ARDS and continues to attend in the medical intensive care unit. Passionate about developing the next generation of leaders and increasing the representation of women and underrepresented minorities in our field, she has received numerous honors in this area. Dr. Schnapp serves as an editor for the *Murray & Nadel's Textbook of Respiratory Medicine*, and has held many leadership positions at the American Thoracic Society, including ATS President. She is humbled to be part of the symposium to honor Dr. Murray's legacy and ensure that his contributions to the field continue to be shared with others.

