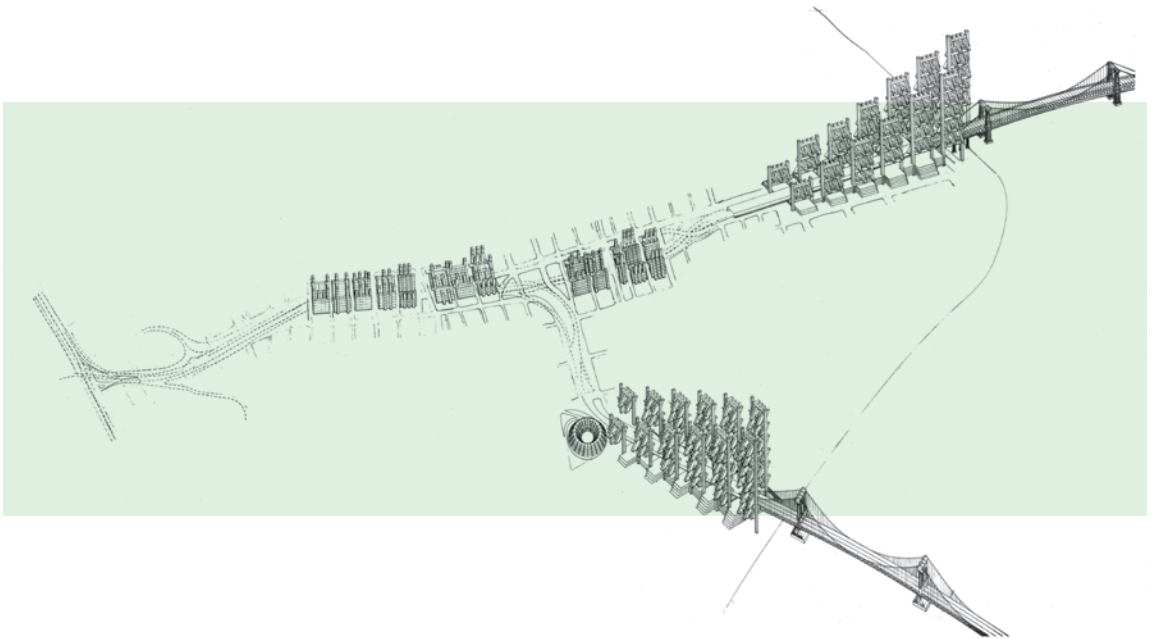

Conversations around public health, architecture, and cities

Presented by the Urban/Health Program



COLUMBIA UNIVERSITY EPIDEMIOLOGY
SCIENTIFIC SYMPOSIUM



Columbia University
MAILMAN SCHOOL
OF PUBLIC HEALTH

GSAPP
Columbia University Graduate School of Architecture, Planning and Preservation

AGENDA

9:00 – 9:25 **BREAKFAST AND INFORMAL GREETINGS**

9:25 – 9:30 **WELCOMING REMARKS**

Dean Linda P. Fried, MD, MPH

Mailman School of Public Health

Dean Mark Wigley, PhD

Graduate School for Architecture, Planning and Preservation

9:30 – 9:35 **OVERVIEW OF THE DAY**

Sandro Galea, MD, DrPH

Mailman School of Public Health

Hilary Sample, M.Arch

Graduate School for Architecture, Planning and Preservation

9:35 – 10:15 **KEYNOTE ADDRESS**

Carlos Dora, MD, PhD

World Health Organization

10:15 – 11:25 **UNDERSTANDING CITIES, UNDERSTANDING HEALTH: STATE OF AND CHALLENGES TO SCHOLARSHIP**

PANELISTS

Gina S. Lovasi, PhD, MPH

Mailman School of Public Health

Giovanna Borasi

Canadian Centre for Architecture

Andrew Rundle, PhD

Mailman School of Public Health

11:25 – 11:40 **BREAK**

11:40 – 12:50 **CASE STUDIES: LEARNING BY EXAMPLE**

PANELISTS

Karen K. Lee, MD, MHS

New York City Department of Health and Mental Hygiene

Lynn Freedman, JD, MPH

Mailman School of Public Health

12:50 – 1:50 **LUNCH**

1:50 – 3:00 **BUILDING HEALTHY CITIES IN THE FUTURE**

PANELISTS

Peter Muennig, MD, PhD

Mailman School of Public Health

Vishaan Chakrabarti, M.Arch, MCP

Graduate School for Architecture, Planning and Preservation

Natalie Jeremijenko, PhD

New York University

3:00 – 4:00 **IN CONVERSATION**

Deans Fried and Wigley

HOSTS



LINDA P. FRIED, MD, MPH

Dean and DeLamar Professor of Public Health, Columbia University Mailman School of Public Health

Professor of Epidemiology, Mailman School of Public Health

Professor of Medicine, College of Physicians and Surgeons

Senior Vice President, Columbia University Medical Center

Under Dr. Fried's leadership, the Mailman School has transformed graduate public health education for the 21st century, and offers executive education in the multisector roles in creating health across the life course and into the latest ages. Dr. Fried is a geriatrician and epidemiologist, and an internationally renowned scientist in the field of creating health for our aging populations. She created the phenotype of frailty associated with aging and resulting from certain chronic diseases, as well as substantial research to define its causes and opportunities for prevention and treatment. Further, she is the co-designer, founder and lead evaluator of Experience Corps, an innovative senior volunteer program designed to harness the social capital of older adults to improve the academic success of children on a large scale while simultaneously designed as a community-based public health program that improves the health - preventing disability and frailty - of the older volunteers. Dr. Fried is an elected member of the US Institute of Medicine and of the US Association of American Physicians, as well as a member of the World Economic Forum Global Agenda Council on Aging and the MacArthur Network on an Aging Society.



MARK WIGLEY, PhD

Dean, Columbia University Graduate School of Architecture, Planning and Preservation

An accomplished scholar and design teacher, Mark Wigley has written extensively on the theory and practice of architecture and is the author of *Constant's New Babylon: The Hyper-Architecture of Desire* (1998); *White Walls, Designer Dresses: The Fashioning of Modern Architecture* (1995); and *The Architecture of Deconstruction: Derrida's Haunt* (1993). He co-edited *The Activist Drawing: Retracing Situationist Architectures from Constant's New Babylon to Beyond* (2001). Dr. Wigley has served as curator for widely attended exhibitions at the Museum of Modern Art, New York; The Drawing Center, New York; Canadian Centre for Architecture, Montreal; and Witte de With Museum, Rotterdam. He received both his Bachelor of Architecture (1979) and his PhD (1987) from the University of Auckland, New Zealand.

PARTICIPANTS



GIOVANNA BORASI

Chief Curator, Canadian Centre for Architecture

Giovanna Borasi is an architect and an editor and has curated since 2005 several major exhibitions at the Canadian Centre for Architecture (CCA) and edited the related books, with a particular focus on how environmental and social issues are influencing today's urbanism and architecture: *Environment: Approaches for Tomorrow* by Gilles Clément and Philippe Rahm (2006), *Some Ideas on Living in London and Tokyo* by Stephen Taylor and Ryue Nishizawa (2008) and *Journeys: How Travelling Fruit, Ideas and Buildings Rearrange our Environment* (2010). With Mirko Zardini, she co-curated *Sense of the City* (2005), 1973: *Sorry, Out of Gas* (2007), *Actions: What You Can Do With the City* (2008 – 2009), *Other Space Odysseys: Greg Lynn, Michael Maltzan, Alessandro Poli* (2010) and *Imperfect Health: The Medicalization of Architecture* (2011). Before joining the CCA, Ms. Borasi was Editor for *Lotus International* and *Lotus Navigator*, and Deputy Editor in Chief for *Abitare*.



VISHAAN CHAKRABARTI, M.Arch, MCP

Marc Holliday Professor of Real Estate Development and Director, Center for Urban Real Estate, Columbia University Graduate School of Architecture, Planning and Preservation

Partner, SHoP Architects

Professor Chakrabarti is the author of a recently published book, *A Country of Cities: A Manifesto for an Urban America*, from Metropolis/DAP Books 2013. In 2004 to 2009 Professor Chakrabarti was an Executive Vice President at the Related Companies where he ran the Moynihan Station project and oversaw planning and design for the firm's extensive development portfolio including Hudson Yards. Prior to his work at Related, Professor Chakrabarti served as the Director of the Manhattan Office for the New York Department of City Planning. Prior to this, he was an Associate Partner and Director of Urban Design at Skidmore, Owings & Merrill, as well as a transportation planner at the Port Authority of New York and New Jersey. He serves on the boards of the Architectural League of New York and Enterprise Community Partners, is a trustee of the Citizens Budget Commission, and is an emeritus board member of Friends of the High Line. Metropolis Magazine named him one of the top 12 "Game Changers" for 2012. Professor Chakrabarti is a David Rockefeller Fellow and was a Crain's "40 under 40" in 2000.



CARLOS DORA, MD, PhD

Coordinator, Public Health,
Environmental and Social Determinants
of Health, World Health Organization

Dr. Dora is a health policy expert with the World Health Organization (WHO), leading work on health impacts of sector policies (energy, transport, housing, extractive industry) involving health impact assessment (HIA) and systems to manage health risks and benefits. He manages the WHO Unit in charge of providing guidance on health risks (air pollution, radiation, occupation), as well as monitoring, evaluation, and tracking related policies and health impacts. Dr. Dora leads WHO's work on "Health in a Green Economy," analyzing health co-benefits from climate change mitigation policies, and is developing WHO's work on health indicators for post-2015 Sustainable Development Goals. He is engaged in the health co-benefits of sustainable energy initiatives, including SE4All, GCCA, and CCAC. He previously worked at the London School of Hygiene and Tropical medicine, at the WHO Regional Office for Europe, and as a senior policy adviser to the WHO Director General, Dr. Brundtland. Before that he worked in the organization of primary care systems in Brazil, where he also practiced clinical medicine. He has served on US and Chinese science and policy committees. Dr. Dora's MSc and PhD are from the London School of Hygiene and Tropical Medicine. His publications cover health impacts of sector policies, Health Impact Assessment and health risk communication.



LYNN P. FREEDMAN, JD, MPH

Professor of Population and Family
Health and Director, Averting Maternal
Death and Disability Project, Columbia
University Mailman School of Public
Health

Professor Freedman currently directs the Mailman School's Averting Maternal Death and Disability (AMDD) Program, a global program of research, policy analysis, and technical support that, since 1999, has worked with UN agencies, NGOs, and governments in more than 50 countries in Asia, Africa, and Latin America to reduce maternal mortality. Before joining the faculty at Columbia University in 1990, Professor Freedman worked as a practicing attorney in New York City. Professor Freedman has published widely on issues of maternal mortality and on health and human rights, with a particular focus on gender and women's health. She also serves on the advisory boards of maternal health projects and human rights projects with programs in Asia, Sub-Saharan Africa and Latin America.



SANDRO GALEA, MD, DrPH

Anna Cheskis Gelman and Murray Charles Gelman Professor and Chair, Department of Epidemiology, Columbia University Mailman School of Public Health

Dr. Galea is a physician and an epidemiologist. He is particularly interested in the social production of health of urban populations. His work explores innovative cells-to-society approaches to population health questions. Dr. Galea has published more than 450 scientific journal articles, 50 chapters and commentaries, and 8 books. Dr. Galea serves as chair of the Community Services Board of the New York City Department of Health and Mental Hygiene and on the New York City Health Board. He is past-president of the Society for Epidemiologic Research and an elected member of the American Epidemiologic Society and of the Institute of Medicine of the National Academies of Science.



NATALIE JEREMIJENKO

Associate Professor of Art, New York University Steinhardt School of Culture, Education and Human Development

Awarded the 2013 Most Innovative People award, named of the most influential women in technology 2011, one of the inaugural top young innovators by MIT Technology Review and 40 most influential designers, Ms. Jeremijenko directs the Environmental Health Clinic, and is an Associate Professor in the Visual Art Department, NYU and affiliated with the Computer Science Dept and Environmental Studies program. Previously she was on the Visual Arts faculty at UCSD, Faculty of Engineering at Yale University, a visiting professor at Royal College of Art in London, a Distinguished Visiting Professor in the Public Understanding of Science at Michigan State University, and a Visiting Global Distinguished Professor at they NYU College of Arts and Sciences.



KAREN K. LEE, MD, MHS

Global Healthy Built Environment and Health Policy Advisor

Dr. Lee works with government and non-government organizations in North America, Australia, Asia, Europe and Latin America on issues related to the built environment and chronic diseases. She serves as Special Advisor to World Health Organization offices on these issues. She is also Senior Advisor on Built Environment & Healthy Housing to the NYC's Health Department, and an Adjunct Professor at the Schools of Public Health at the University of Toronto and the University of Alberta in Canada. For the last 8 years, Dr. Lee has been the lead for the NYC Health Department in its work with 12 city agencies and non-government partners, in the development and implementation of the Active Design Guidelines, named in awards from the US EPA, the US Sustainable Buildings Industry, the American Institute of Architects, the Robert Wood Johnson Foundation and the World Cities Prize. She has been a key organizer of NYC's annual Fit City conferences since 2006 and is helping other jurisdictions globally create such forums for cross-sector dialogue, including London, New South Wales (Australia) and Sao Paulo. Prior to moving to NYC, Dr. Lee was with the Epidemic Intelligence Service at the US Centers for Disease Control and Prevention.



GINA S. LOVASI, PhD, MPH

Assistant Professor, Department of Epidemiology, Columbia University Mailman School of Public Health

Dr. Lovasi's research examines how local policies and initiatives influence cardiovascular and respiratory health, seeking to understand whether the anticipated health benefits have been realized and to explore any unanticipated health effects. Dr. Lovasi received her PhD and MPH in epidemiology from the University of Washington, where her research examined neighborhood walkability and neighborhood socioeconomic characteristics as determinants of physical activity and cardiovascular risk. She is an investigator with the Built Environment and Health (beh.columbia.edu) project, conducting research exploring how cities could be physically restructured to better support the health of children and adults. Key aspects of the local environment measured in her research have included walkable urban form, sources of healthy and unhealthy foods, tree canopy coverage and other aesthetic amenities, and pedestrian safety hazards related to crime and traffic. Health outcomes recently studied include cognitive development, asthma, allergic sensitization, myocardial infarction, sudden cardiac arrest, physical activity, and obesity. She works with the Columbia Center for Children's Environmental Health and the Columbia Population Research Center to incorporate GIS into a range of health-related research projects in vulnerable populations. Dr. Lovasi also teaches a doctoral course on advanced techniques for epidemiologic research and serves as co-director for the Epidemiology and Population Health Summer Institute at Columbia University (cuepisummer.org).



PETER MUENNIG

Associate Professor, Department of Health Policy and Management, Columbia University Mailman School of Public Health

Dr. Muennig studies the ways in which social policies on education, immigration, welfare, control of industrial pollution, health insurance, and the built environment can be optimized to maximize population well being. He does so using randomized policy experiments coupled with cost-effectiveness analyses. His current research investigates whether social policies implemented by New York City explain that city's dramatic increase in life expectancy over the past decade. He has worked with government agencies on immigration policy (in Canada and the US), health insurance reform (in China), and the design of a healthy city (in China). In the future, he hopes to study the health, developmental, economic, and environmental effects of healthy communities in Chongqing, China. In that city 1.2 million low- to middle-income residents will be randomly assigned to remain in their current housing or to move into high quality housing embedded within car-free green space that includes exercise facilities and access to the city's monorail transit system. He hypothesizes that a move to healthy communities will alter children's gene function, biochemical processes, cognitive potential, body-mass index, mood, injury rates, and ultimately, their ability to thrive as adults and elderly people.



ANDREW RUNDLE, DrPH, MPH

Associate Professor, Department of Epidemiology and Co-Director, Obesity Prevention Initiative, Columbia University Mailman School of Public Health

Dr. Rundle's research focuses on the determinants of sedentary lifestyles and obesity and the health related consequences of these conditions, particularly the role of sedentary behavior and obesity in cancer development. He directs the Built Environment and Health Research Group (beh.columbia.edu), a trans-disciplinary team of researchers studying how neighborhood built and social environments influence diet, physical activity and, in turn, obesity risk. His work on neighborhood level effects has been used as part of the scientific rationale for the New York City 'Active Design Guidelines' jointly published by the Departments of Design and Construction, Health and Mental Hygiene, Transportation and City Planning, and for the Mayor's Food Policy Task Force's 'Food Retail Expansion to Support Health' (FRESH) initiative. He and his collaborators have also been studying how neighborhood characteristics influence childhood neurodevelopment, childhood asthma risk, and depression and disability among the elderly. He is currently developing projects to study biotic resistance genes in bacteria.



HILARY SAMPLE, B.Arch, M.Arch

Associate Professor, Columbia University
Graduate School of Architecture,
Planning and Preservation

Director, Housing Studio

As an architect and founder of MOS Architects, Professor Sample has received the Architecture Award (2010) from the American Academy of Arts and Letters and was named one of North America's "Emerging Voices" (2008) by the Architectural League of New York City. The firm has been featured in exhibitions at the Museum of Modern Art, the Venice Biennale, the Shenzhen Biennale, The Creator's Project with Vice/Intel, and the Art Institute in Chicago. The firm's first monograph, *Everything All at Once: The Software, Videos, and Architecture of MOS* (2012), is published by Princeton Architectural Press. Her research and projects about health and cities has been published in *Imperfect Health: The Medicalization of Architecture, Building Systems, Design, Technology and Society*, and includes the following built projects: Krabbesholm School in Skive Denmark, Orphanage and Library, Kathmandu, Nepal, and a teen center in Lowell, Massachusetts.

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