



**CONVERGE Working Group on
Readying Populations for the COVID-19 Vaccine**

DISCIPLINES REPRESENTED

Anthropology, sociology, political science, history of medicine, communication, epidemiology, bioethics, bioinformatics, public health, disaster medicine, infectious diseases, and vaccinology.

RESEARCH, POLICY & PRACTICE EXPERTISE

Vaccine RD&P and regulation, risk and crisis communication, health disparities, public health emergency preparedness, pandemic mitigation, vaccine hesitancy/confidence, mass vaccination campaigns, community engagement, and deliberative democracy.

MEMBER BIOSKETCHES

Luciana Borio, MD

In-Q-Tel

Dr. Luciana Borio is an American physician and medical/public health administrator. She is a vice president at In-Q-Tel. She previously served as Director for Medical and Biodefense Preparedness at the National Security Council, Acting Chief Scientist of the U.S. Food and Drug Administration (FDA), Assistant Commissioner for Counterterrorism Policy of the FDA, and Director of FDA's Office of Counterterrorism and Emerging Threats. She is known for her work advancing clinical trials, the development of medical countermeasures for health emergencies, and the public health responses to Ebola and Zika outbreaks.

Prior to joining FDA's Center for Biologics Evaluation and Research in 2008, Dr. Borio was senior associate at the UPMC Center for Health Security and assistant professor of medicine at the University of Pittsburgh (2003-2008). Dr. Borio served at the United States Department of Health and Human Services as an advisor on biodefense programs (2001 to 2008), where she implemented and managed mathematical modeling projects to assess the health effects of bioterrorism on civilians and to inform medical countermeasures procurement activities for the Office of Preparedness and Response.

Dr. Borio obtained her MD in 1996 from George Washington University. She completed residency in 1999 in internal medicine at the Weill Cornell Medical Center and subsequently completed a combined fellowship in infectious diseases at Johns Hopkins University and critical care medicine at the National Institutes of Health. Dr. Borio continues to practice medicine at Johns Hopkins Hospital.

https://en.wikipedia.org/wiki/Luciana_Borio

Janesse Brewer, MPA

Johns Hopkins Bloomberg School of Public Health

Ms. Janesse Brewer is a stakeholder engagement specialist who specializes in mediations where science, data, cultural norms, trust, and values intersect. She has designed and facilitated strategic planning, policy dialogues, site-specific mediations, and public engagement processes at local, state, national and international levels.

Brewer regularly works with the leadership levels of industry, government, and civil society to include: Virgin Holidays, DuPont, NASA, Centers for Disease Control & Prevention, National Aquarium, The Gordon & Betty Moore Foundation, and many others.

Brewer is an Associate in Global Disease Epidemiology and Control at the Johns Hopkins Bloomberg School of Public Health.

<https://www.tmt.org/page/mission-vision>

Emily Brunson, PhD, MPH – Co-Chair

Texas State University

Dr. Emily Brunson is a medical anthropologist with training in cultural and biological anthropology as well as public health. She is an Associate Professor the Department of Anthropology, Texas State University.

Her research focuses on health care access and decision-making, and particularly how policies, social structures (including class and racial inequalities), social networks and personal experience combine to produce health outcomes for individuals.

Currently, Dr. Brunson is working on a study of vaccination knowledge, attitudes and behavior among college students, and she is actively engaged with local organizations including Meals on Wheels and the Children's Defense Fund Texas.

Dr. Brunson has consulted with national, state, and local organizations including the Johns Hopkins Center for Health Security, the Program for Appropriate Technology in Health (PATH), the Association of Immunization Managers (AIM), the Washington State Immunization Social Marketing Planning Team, and the Hays County Food Bank.

Dr. Brunson's research and teaching interests include medical anthropology, applied anthropology, service learning, qualitative methods, social network analysis, vaccination, health care access, health disparities, health policy, health communication.

<https://www.txstate.edu/anthropology/people/faculty/brunson.html>

<https://scholars.org/scholar/emily-brunson>

Joseph Buccina, MS, MA

In-Q-Tel

Joseph Buccina, MA, is Director of Intelligence Community Support and B.Next Operations at In-Q-Tel.

He serves as the B.Next lead for customer engagement, team operations, and bioinformatics. Prior to joining B.Next, Buccina was a Program Manager for IQT's biotech portfolio and a range of other technology areas where he worked with startup companies to deliver enhanced products that drove mission impact for the intelligence and defense communities.

For five years prior to IQT, Buccina was a consultant for PRTM and PwC, where he worked on biodefense and national security projects for the federal government, along with operations and strategic projects for life sciences companies. He also has experience working at a biosurveillance startup company.

Buccina holds a master's degree from Johns Hopkins University School of Advanced International Studies (SAIS) and a bachelor's degree from Williams College. He is currently pursuing a master's in Bioinformatics from Johns Hopkins University.

<https://www.bnext.org/about-us/>

Nancy Connell, PhD

Johns Hopkins Center for Health Security

Nancy D. Connell is a Senior Scholar at the Johns Hopkins Center for Health Security and a Professor in the Department of Environmental Health and Engineering at the Johns Hopkins Bloomberg School of Public Health. She is a microbial geneticist by training.

Dr. Connell's work at the Center is focused on advances in life sciences and technology and their application to a number of developments in the areas of biosecurity, biosafety, and biodefense. Her research projects analyze novel biotechnologies that might have an impact on the development of Global Catastrophic Biological Risks (GCBRs) in ecosystems, and the development of surge capacity for medical countermeasure manufacturing and other response mechanisms in the event of global pandemics or global catastrophic events. She is an Associate Editor of the journal *Health Security*.

Dr. Connell is a member of the Board on Life Sciences and is a National Associate of the National Academies of Sciences; she completed a 6-month sabbatical as Visiting Scholar at the Board on Life Sciences. She has served on more than 15 committees at the US National Academies, including Advances in Technology and the Prevention of Their Application to Next Generation Biowarfare Agents (2004), Trends in Science and Technology Relevant to the Biological and Toxin Weapons Convention (2010), and Review of the Scientific Approaches Used During the FBI's Investigation of the 2001 Bacillus anthracis Mailings (2011). She is currently chairing the NAS components of a series of international science and technology workshops, supported by the EU and the UN, designed to explore regional advances and activities related to implementation of the Biological Weapons Convention (BWC).

Dr. Connell is a member of the of the National Science Advisory Board for Biosecurity as well as the US CDC's Biological Agent Containment Working Group in the Office of Public Health Preparedness and Response. She has had a long-standing interest in the development of regulatory policies associated with

biocontainment work and dual-use research of concern. In addition to biomedical research policy, Dr. Connell has considerable experience and interest in pedagogy, with a focus on ethics education and the responsible conduct of research: She chaired the NRC Standing Committee for Faculty Development for Education about Research with Dual Use Issues in the Context of Responsible Science and Research Integrity, which has conducted a series of workshops throughout the Middle East and North Africa over the past 5 years. She has presented at workshops and meetings around the world on the interrelated issues of biocontainment, infectious disease research, research ethics, and dual-use research of concern.

Before joining the Center, Dr. Connell was Professor and Director of Research in the Division of Infectious Disease in the Department of Medicine at Rutgers New Jersey Medical School and the Rutgers Biomedical Health Sciences.

<https://www.centerforhealthsecurity.org/our-people/connell/>

Nancy Kass, ScD

Johns Hopkins Bloomberg School of Public Health

Dr. Nancy Kass is the Vice Provost for Graduate and Professional Education and the Phoebe R. Berman Professor of Bioethics and Public Health at Johns Hopkins, where she is also both the Deputy Director for Public Health in the Berman Institute of Bioethics and Professor of Health Policy and Management in the Johns Hopkins Bloomberg School of Public Health.

Dr. Kass conducts empirical work in bioethics and health policy. Her publications are primarily in the field of U.S. and international research ethics, HIV/AIDS ethics policy, public health ethics (including ethics and obesity prevention and ethics and public health preparedness), and ethics and the learning healthcare system. In 2009-2010, Dr. Kass was based in Geneva, Switzerland, where she was working with the World Health Organization (WHO) Ethics Review Committee Secretariat. Dr. Kass is coeditor (with Ruth Faden) of *HIV, AIDS and Childbearing: Public Policy, Private Lives* (Oxford University Press, 1996).

She has served as consultant to the President's Advisory Committee on Human Radiation Experiments, to the National Bioethics Advisory Commission, and to the National Academy of Sciences. Dr. Kass currently serves as the Chair of the NIH Precision Medicine Initiative Central IRB; she previously co-chaired the National Cancer Institute (NCI) Committee to develop Recommendations for Informed Consent Documents for Cancer Clinical Trials and served on the NCI's central IRB. Current research projects examine improving informed consent in human research, ethical guidance development for Ebola and other infectious outbreaks, and ethics and learning health care.

Dr. Kass teaches the Bloomberg School of Public Health's course on U.S. and International Research Ethics and Integrity, she served as the director of the School's PhD program in bioethics and health policy from its inception until 2016, and she has directed (with Adnan Hyder) the Johns Hopkins Fogarty African Bioethics Training Program since its inception in 2000. Dr. Kass is an elected member of the Institute of Medicine (now National Academy of Medicine) and an elected Fellow of the Hastings Center.

<https://bioethics.jhu.edu/people/profile/nancy-kass/>

Anna Kirkland, JD, PhD

University of Michigan

Anna Kirkland, JD, PhD, is Arthur F. Thurnau Professor of Women's and Gender Studies and holds courtesy appointments in Sociology, Political Science, and Health Management and Policy and Director of the Institute for Research on Women and Gender (IRWG) (on research leave Jan-May 2020). She served as IRWG's Associate Director from 2014 to 2017. She is a member of Michigan's Institute for Healthcare Policy and Innovation and served as a committee member for the National Academies of Science, Medicine, and Engineering panel that produced *Sexual Harassment of Women: Climate, Culture, and Consequences in Academic Sciences, Engineering, and Medicine* (National Academies Press, June 2018).

Dr. Kirkland researches the implementation and politics of Section 1557, the non-discrimination clause of the Affordable Care Act, with a focus on transgender healthcare rights and insurance coverage and access (funded by the National Science Foundation). She is writing a book about civil rights in healthcare contexts in the contemporary U.S.

Dr. Kirkland is the author of *Vaccine Court: The Law and Politics of Injury* (New York University Press, 2016), *Fat Rights: Dilemmas of Difference and Personhood* (New York University Press, 2008), co-editor with Jonathan Metzl (Vanderbilt University) of *Against Health: How Health Became the New Morality* (New York University Press, 2010), and co-editor with Prof. Marie-Andree Jacob from Keele University, UK of *Research Handbook on Sociological Studies of Medicine and Health* (Edward Elgar Publishing, in press). She was an organizer of a National Science Foundation workshop, "Bridging Law and Society and Science and Technology Studies," (May 2018) at Drexel University in Philadelphia with Professors Kelly Joyce (Drexel University Center for Science, Technology, and Society and Sociology) and Rose Corrigan (Drexel University Department of Politics and School of Law).

Dr. Kirkland has served as Director of Graduate Studies (2019) and Director of Undergraduate Studies (2011-2013) for the department of Women's and Gender Studies as well as Director (2017-2018) and Undergraduate Director (2014-2016) of the Science, Technology, and Society Program. She teaches courses on gender and the law and health policy.

<https://lsa.umich.edu/women/people/core-faculty/akirklan.html>

Lisa Koonin, DrPH, MN, MPH

Health Preparedness Partners, LLC

Dr. Lisa Koonin is the Founder of Health Preparedness Partners, LLC, a company that helps businesses, health departments, healthcare facilities, and other organizations prepare for a health emergency to protect their organization, workforce, customers, and communities.

Dr. Koonin previously served in a number of leadership positions during a 30+ year career with the Centers for Disease Control and Prevention (CDC). During that time, she led the development of national preparedness plans and policies, led and conducted large-format exercises, and consulted with businesses, state and local governments, healthcare facilities, non-governmental organizations, academia, and ministries of health around the world, to improve emergency preparedness. Dr. Koonin served as a leader in multiple national and international health emergency responses while at CDC, including the 2016 Zika response, 2014-2015 Ebola response, 2013 H7N9 avian influenza outbreak in China, 2009 - 2010 H1N1

influenza pandemic, 2005 Hurricanes Katrina, Rita, and Wilma, and the 2005 Marburg virus outbreak in Africa.

Dr. Koonin's focus is to improve national response to future pandemic emergencies by identifying and tackling complex preparedness issues, establishing mutually beneficial public-private partnerships, and developing new strategies, tools, and capabilities. Dr. Koonin is a frequent lecturer at national and international conferences on pandemic and infectious disease preparedness and response, and she has published more than 80 peer-reviewed scientific publications on an array of public health and preparedness topics.

Dr. Koonin has experience as a family nurse practitioner and epidemiologist. She earned master of nursing and master of public health degrees from Emory University and a doctorate in public health from the University of North Carolina at Chapel Hill.

https://sph.unc.edu/adv_profile/lisa-m-koonin-drph-mn-mph/

Heidi Larson, PhD

London School of Hygiene and Tropical Medicine

Prof. Heidi J. Larson is an anthropologist and Director of The Vaccine Confidence Project™ (VCP); Professor of Anthropology, Risk and Decision Science, Dept. Infectious Disease Epidemiology, London School of Hygiene & Tropical Medicine; Clinical Professor, Institute of Health Metrics & Evaluation, University of Washington; and Chatham House Centre on Global Health Security Fellow. Dr. Larson previously headed Global Immunisation Communication at UNICEF, chaired GAVI's Advocacy Task Force, and served on the WHO SAGE Working Group on vaccine hesitancy. The VCP is a WHO Centre of Excellence on addressing Vaccine Hesitancy.

Prof. Larson's research focuses on the analysis of social and political factors that can affect uptake of health interventions and influence policies. Her particular interest is on risk and rumour management from clinical trials to delivery – and building public trust. She served on the FDA Medical Countermeasure (MCM) Emergency Communication Expert Working Group, and is Principle Investigator of the EU-funded (EBODAC) project on the deployment, acceptance and compliance of an Ebola vaccine trial in Sierra Leone.

Prof. Larson has recently joined the Centre for the Evaluation of Vaccination (CEV) (University of Antwerp) as associate professor, as the CEV at the Antwerp University will host the European regional Office of the Vaccine Confidence Project as of May 15, 2019, and will closely collaborate with Vaccine Confidence Project partners at European level on implementing the Vaccine Confidence Index™ and developing and evaluating interventions to address vaccine hesitancy.

<https://www.vaccineconfidence.org/team>

Brooke Fisher Liu, PhD

University of Maryland

Dr. Brooke Liu's qualitative and quantitative research investigates how government messages, media, and interpersonal communication can motivate people to successfully respond to and recover from hazards.

Much of her recent research focuses on tornado risk communication as well as crisis narratives and other message strategies.

Dr. Liu's research has been funded by government agencies such as the Defense Advanced Research Projects Agency (DARPA), the Department of Homeland Security (DHS), the National Science Foundation (NSF), and the National Oceanic and Atmospheric Administration (NOAA). She has published more than 60 journal articles and book chapters. Additionally, Liu is the co-founder and editor of the first journal dedicated to crisis and risk communication research: the Journal of International Crisis and Risk Communication Research.

Previously, Dr. Liu served as a member of the Food and Drug Administration's (FDA) Risk Communication Advisory Committee and the National Academy of Sciences Committee studying the future of emergency alert and warning systems. She also has developed and delivered risk communication training for a variety of government stakeholders including the Department of Homeland Security, the National Weather Service, and for the Australian Institute for Disaster Resilience.

As the ADVANCE Professor for the College of Information Studies, Dr. Liu supports a campus-wide initiative to recruit, develop, retain, and promote women and under-represented minority faculty. Currently, Dr. Liu is the Associate Dean for Academic Standards and Policies in the University of Maryland Graduate School.

<https://www.comm.umd.edu/people/faculty/bfliu>

Rex Long, MA

Texas State University

Mr. Rex Long, MA, is a PhD student in anthropology at Texas State University. He also works as a Research Associate at Gibson Consulting, providing high quality consulting and research services to improve the effectiveness and efficiency of K-12 education at the school, school system, regional, and state levels. Long's master thesis in cultural anthropology focused on the community experience with, and public health management of an imported case of Ebola in Dallas, TX during the 2014-2016 West African Ebola outbreak.

<http://gibsonconsult.com/who-we-are/>

Saad Omer, MBBS, MPH, PhD, FIDSA

Yale School of Medicine

Dr. Saad Omer has conducted studies in the United States, Guatemala, Kenya, Uganda, Ethiopia, India, Pakistan, Bangladesh, South Africa, and Australia. Dr. Omer's research portfolio includes clinical trials to estimate efficacy of maternal and/or infant influenza, pertussis, polio, measles and pneumococcal vaccines and trials to evaluate drug regimens to reduce mother-to-child transmission of HIV. Moreover, he has conducted several studies on interventions to increase immunization coverage and acceptance.

Dr. Omer's work has been cited in global and country-specific policy recommendations and has informed clinical practice and health legislation in several countries. He has directly mentored over 100 junior faculty, clinical and research post-doctoral fellows, and PhD and other graduate students. Dr. Omer has published widely in peer reviewed journals including the New England Journal of Medicine, JAMA, Lancet, British

Medical Journal, Pediatrics, American Journal of Public Health, and Science and is the author of op-eds for publications such as the New York Times, Politico, and the Washington Post.

Dr. Omer has received multiple awards – including the Maurice Hilleman Award by the National Foundation of Infectious Diseases for his work on the impact of maternal influenza immunization on respiratory illness in infants younger than 6 months-for whom there is no vaccine. He has served on several advisory panels including the U.S. National Vaccine Advisory Committee, Presidential Advisory Council on Combating Antibiotic-Resistant Bacteria -Vaccine Innovation Working Group, and WHO Expert Advisory Group for Healthcare Worker Vaccination. Moreover, he served as an academic affiliate of the Office of Evaluation Sciences – formerly known as the White House Social and Behavioral Sciences Team.

https://medicine.yale.edu/profile/saad_omer/

Walter A. Orenstein, MD

Emory University

Walter A. Orenstein, MD, is a Professor of Medicine, Epidemiology, Global Health, and Pediatrics at Emory University; as well as the Associate Director of the Emory Vaccine Center and Director, Emory Vaccine Policy and Development. From 2008 through 2011, Dr. Orenstein was Deputy Director for Immunization Programs at the Bill & Melinda Gates Foundation. His primary focus at the foundation had been on polio eradication, measles control, and improving routine immunization programs. Prior to 2004, Dr. Orenstein worked for 26 years in the Immunization Program at the Centers for Disease Control and Prevention. From 1988-2004, he was the Director of the United States Immunization Program. He is a former Assistant Surgeon General of the USPHS. Dr. Orenstein successfully developed, promoted, facilitated and expanded new vaccination strategies to enhance disease prevention.

Dr. Orenstein has authored and co-authored numerous books, journals and reviews. Dr. Orenstein co-edited Plotkin's Vaccines, 7th edition in 2018 – the leading textbook in the field. He is a past Chair of the WHO's Poliomyelitis Technical Consultative Group. He served as the Chair of the National Vaccine Advisory Committee (NVAC) from 2012 to 2016. He is also currently a member of the WHO's Strategic Advisory Group of Experts (SAGE) on Immunization Polio as well as Measles and Rubella Working Groups. He is currently the Chair of WHO's Immunization and Vaccines Related Implementation Research Advisory Committee (IVIR-AC). Between July 1, 2016 and June 30, 2018, Dr. Orenstein was the President of the National Foundation for Infectious Diseases (NFID).

Dr. Orenstein's research focus has been on assessment of vaccine effectiveness in observational studies, methods to overcome vaccine hesitancy, ways to enhance uptake of recommended vaccines, and ways to facilitate polio eradication and sustain that eradication. In addition, Dr. Orenstein is the Principal Investigator for the Center of Excellence for Influenza Research and Surveillance (Emory-UGA CEIRS), one of five national Centers of Excellence for Influenza Research and Surveillance (CEIRS) funded by NIH/NIAID. with a focus on better understanding pathogenesis, immune responses to vaccines and infection, and viral surveillance in animal populations. The Center's structure is comprised of research (human and animal) projects, pilot projects (novel ideas), data management, animal surveillance (domestic and foreign), and CEIRS Cross-Network projects.

http://vaccines.emory.edu/faculty-evc/primary-faculty/orenstein_walter.html

Gregory A. Poland, MD

Mayo Clinic

Gregory A. Poland, MD, studies the immunogenetics of vaccine response in adults and children. Dr. Poland and his team within the Vaccine Research Group aim to improve the health of individuals across the world by pursuing challenges posed by infectious diseases and bioterrorism through clinical, laboratory and epidemiologic vaccine research.

The Vaccine Research Group uses immunological testing, including serology, cell-mediated immunity, cell culture and cytokine assays; polymerase chain reaction (PCR) techniques and HLA typing for immunogenetic studies; and high-throughput assays, such as next-generation sequencing, transcriptomics, mass spectrometry and proteomic analysis.

Dr. Poland's research has been continuously funded by the National Institutes of Health since 1991. Coined by Dr. Poland and his team in 2007, the term "vaccinomics" refers to the development of personalized vaccines based on the increased understanding of immune response phenotype-genotype information. Through research, Dr. Poland and his team aim to explain how vaccine-induced immune responses and vaccine-related adverse events may be genetically determined — and therefore predictable.

Active projects:

- Influenza A and H1N1. This project will provide novel information describing how immune responses to inactivated influenza A and H1N1 vaccine are generated, particularly in older adults. This information is useful in designing new vaccines to control this deadly viral disease.
- Rubella. This project will develop comprehensive information on the contribution and influence of genetic variants on rubella vaccine-induced immune responses. These data will support a novel paradigm enabling the design of new rubella vaccines to protect public health and could also be used to inform vaccine development against other viral infections.
- Measles. This project focuses on genes that influence and determine the human immune response to the measles vaccine. This knowledge will allow a better understanding of how measles immunity develops after vaccination and why a range of immune responses occur.
- Smallpox. This project will focus on identifying individual genetic risk factors, enlarging our understanding of immune mechanisms, and defining biomarkers of risk and immunity that can assist in optimizing the development of new vaccines, diagnostic tests and therapeutics to protect humans from smallpox.

<https://www.mayo.edu/research/faculty/poland-gregory-a-m-d/bio-00078220>

Lois Privor-Dumm, IMBA

Johns Hopkins International Vaccine Access Center (IVAC)

Lois Privor-Dumm is Senior Advisor, Policy, Advocacy & Communications and Director, Adult Vaccines, at the International Vaccine Access Center (IVAC), Johns Hopkins Bloomberg School of Public Health (JHSPH). She conducts research on the determinants of decision-making and implementation and advises global and local stakeholders on policy and advocacy for new vaccine introduction. As JHSPH faculty she teaches policy advocacy in low- and middle-income countries and vaccine policy issues courses. In her role at IVAC she

has trained hundreds of champions in vaccine advocacy and works with them to help address vaccine hesitancy while building awareness about the broad value of immunization.

Ms. Privor-Dumm joined Johns Hopkins in 2005 as Director of Communications and Strategy on the Hib Initiative. She was also Director, Access & Implementation and later Communications for the PneumoADIP. Those efforts contributed to the changing landscape of vaccine access for low-income countries and dramatic acceleration of availability of new vaccines. In her years working in Gavi countries, she gained extensive experience supporting translation of evidence to policy. In India, she worked with local partners to transform communications and political support for vaccines to address an environment previously plagued by vaccine hesitancy and sensational media. To meet the needs of global advocates, she helped develop and now oversees the Value of Immunization Compendium of Evidence ([VoICE](#)).

Prior to coming to Johns Hopkins, Ms. Privor-Dumm worked in the pharmaceutical industry, holding senior roles in regional operations (Latin America, and Europe Middle East and Africa), global R&D commercial strategy, and US operations where she played an integral role in the launch of the first pneumococcal conjugate vaccine in the US. Her roles have included access and policy, forecasting, supply strategies, marketing, advocacy & communications and more. She holds a master of International Business Studies from University of South Carolina (now IMBA) and bachelor of science in Business Administration from SUNY Albany and has studied and worked in Belgium.

<https://www.jhsph.edu/ivac/people/lois-privor-dumm/>

Sandra Crouse Quinn, PhD

University of Maryland

Sandra Crouse Quinn is Professor and Chair of the Department of Family Science and Senior Associate Director of the Maryland Center for Health Equity, School of Public Health at the University of Maryland. She is currently a Principal Investigator on a contract from the Maryland Health Care Commission for a legislatively mandated Study of Mortality Rates of African American Infants and Infants in Rural Areas in Maryland. She is also currently Principal Investigator (with D. Broniatowski) on a National Institute of General Medical Sciences/NIH grant, Supplementing Survey-Based Analyses of Group Vaccination Narratives and Behaviors Using Social Media.

She was Principal Investigator (with S. Thomas) on a National Institute on Minority Health and Health Disparities/NIH Center of Excellence in Race, Ethnicity and Health Disparities Research. Within the COE, she was the Principal Investigator on a mixed-methods study, Uncovering and Addressing Cultural Beliefs behind Vaccine Racial Disparities, both completed in late 2017. She was also the Principal Investigator on two FDA funded studies: 1) Public Attitudes Toward Medical Countermeasures and 2) Investigating Factors Associated with Participation of Racial & Ethnic Minority Populations in FDA Regulated Research.

Dr. Quinn was also Principal Investigator (with Thomas) of a Grand Opportunity grant from the Office of the Director, NIH: "Bioethics Research Infrastructure Initiative: Building Trust between Minorities and Researchers". As the Principal Investigator of a CDC funded study, Public Attitudes Toward H1N1 Influenza, she led two national surveys during the H1N1 influenza pandemic, becoming the first to examine public attitudes toward emergency use authorizations for drugs and vaccines and to test an empirical model of disparities in exposure, susceptibility and access to care during a pandemic. As Principal Investigator, she

also conducted a CDC funded qualitative study of communication between postal workers and public health professionals during the 2001 anthrax attack.

She is an appointed member of a National Academies of Science, Engineering and Medicine committee on Evidence-Based Practices for Public Health Emergency Preparedness and Response. Her research interests include vaccine acceptance in routine and emergency situations; racial disparities in vaccine uptake; crisis and emergency risk communication with a specific focus on minority populations; and engagement of minority and marginalized communities in research.

<https://sph.umd.edu/people/sandra-c-quinn>

Sanjana Ravi, MPH

Johns Hopkins Center for Health Security

Sanjana Ravi is Senior Analyst at the Johns Hopkins Center for Health Security and Senior Research Associate at the Johns Hopkins Bloomberg School of Public Health. She is an Associate Editor of the peer-reviewed journal Health Security (formerly Biosecurity and Bioterrorism) and Editor of Preparedness Pulsepoints, a weekly news brief covering federal action in health security. Her primary research interests include global health security, health systems-strengthening, responses to humanitarian crises, and intersections between health, security, and development.

Ms. Ravi's work focuses on understanding and improving public health and healthcare responses to a range of threats. She is involved with Center projects examining national, state, and local preparedness for epidemics, response and recovery challenges associated with catastrophes, and the health security implications of emerging technologies. Ms. Ravi has also contributed to a number of the Center's globally focused efforts. Between 2014 and 2016, she helped plan the first ever strategic dialogues on biosecurity policy between the United States and partners in Singapore, Malaysia, Indonesia, and India. She has also led independent research on healthcare delivery during conflict, applications of mobile technologies and telemedicine during emergencies, the sociocultural dimensions of disease outbreaks, and connections between health security threats and development challenges.

In 2013, Ms. Ravi received a master of public health degree in infectious disease management, intervention, and community practice from the University of Pittsburgh, where her thesis explored the dynamics of blood product management during public health emergencies. She also contributed to research on nosocomial infections and public health education initiatives in Pittsburgh and served as a Global Impact Fellow with Unite for Sight in Tegucigalpa, Honduras, delivering basic eye care to underserved regions. Ms. Ravi earned a BA in biology from Saint Louis University in 2011. In 2015, she was a Fellow in the Synthetic Biology Leadership Excellence Accelerator Program.

<https://www.centerforhealthsecurity.org/our-people/ravi/>

Ali Ruth, AB

Johns Hopkins Bloomberg School of Public Health

Ali Ruth is a PhD student in Bioethics and Health Policy in the Department of Health Policy and Management. Her research interests include infectious disease ethics and policy, ethics of public health

screening programs, food and nutrition policy, and Medicaid. She is a certified HIV counselor in the state of Maryland and volunteers with the STAR mobile unit conducting HIV testing and outreach.

Previously, Ali was a Senior Research Assistant at the International Food Policy Research Institute where she worked on developing research ethics policies and procedures for international agricultural research. She also worked with the nutrition team at HarvestPlus on consolidating evidence for retention and bioavailability of micronutrients in staple food crops. Ali received her A.B. in Environmental Biology from Washington University in St. Louis and spent a semester studying public health at the University of Botswana.

<https://bioethics.jhu.edu/people/profile/ali-ruth/>

Daniel Salmon, PhD

Johns Hopkins Bloomberg School of Public Health

Daniel A. Salmon, PhD, Director of the Institute for Vaccine Safety, has training, research and practice interests in epidemiology and health policy. He has focused on post-licensure vaccine safety and the factors associated with parental decisions to vaccinate or not vaccinate their children. Dr. Salmon served as the Director of Vaccine Safety at the National Vaccine Program Office, where he was responsible for overseeing and coordinating federal vaccine safety activities.

Dr. Salmon has conducted a broad range of studies examining the safety of vaccines, the rates of vaccine refusal, the reasons why parents refuse vaccines, the impact of health care providers and local and state policies on vaccine refusal and the individual and community risks of unvaccinated children. Dr. Salmon is widely published in the medical literature. Dr. Salmon is a professor in the Department of International Health where he also coordinates the PhD program in Global Disease Epidemiology and Control.

<http://www.vaccinesafety.edu/bios.htm>

Monica Schoch-Spana, PhD – Co-Chair

Johns Hopkins Center for Health Security

Monica Schoch-Spana, a medical anthropologist, is a Senior Scholar with the Johns Hopkins Center for Health Security and a Senior Scientist in the Department of Environmental Health & Engineering at the Johns Hopkins University Bloomberg School of Public Health. She also holds faculty positions at the Department of Anthropology at Texas State University and the National Consortium for the Study of Terrorism and Responses to Terrorism (START). Her areas of expertise include community resilience to disaster, public engagement in policymaking, crisis and risk communication, and public health emergency preparedness.

Since 1998, Dr. Schoch-Spana has briefed federal, state, and local officials, as well as medical, public health, and public safety professionals, on critical issues in health security. National advisory roles include currently serving on the Homeland Security Subcommittee of the Board of Scientific Counselors for the US Environmental Protection Agency, the Resilient America Roundtable of the National Academies of Sciences, Engineering, and Medicine (NASEM), and the NASEM Standing Committee on Medical and Public Health Research during Large-Scale Emergency Events.

Dr. Schoch-Spana has led research, education, and advocacy efforts to encourage authorities to enlist the public's contributions in epidemic and disaster management. Her studies have been influential in debunking myths about mass behaviors in the context of bioterrorism, reframing the management of catastrophic health events to include social and ethical-moral dimensions, and persuading leaders to share governance dilemmas with the public including how to allocate scarce medical resources in a disaster. She has chaired national working groups to produce peer-reviewed, evidence-based consensus guidance for authorities on how to partner with citizens and civil society in relation to bioterrorism response, influenza pandemic planning, and nuclear incident preparedness, and she has organized 3 national meetings on how to strengthen community resilience to extreme health events.

From 2003 to 2017, Dr. Schoch-Spana worked at the UPMC Center for Health Security; prior to that she worked at the Johns Hopkins University Center for Civilian Biodefense Strategies, starting in 1998. She received her PhD in cultural anthropology from Johns Hopkins University (1998) and a BA from Bryn Mawr College (1986).

<https://www.centerforhealthsecurity.org/our-people/schoch-spana/>

Marc Trotochaud, MSPH

Johns Hopkins Center for Health Security

Mr. Trotochaud is an Analyst at the Johns Hopkins Center for Health Security and a Research Associate at the Johns Hopkins Bloomberg School of Public Health. His primary training is in health communication and health education, but his interests include public health emergency preparedness, advances in biological technologies, and the impact of a changing climate on human health.

Prior to coming to the Center for Health Security, Mr. Trotochaud worked in a number of capacities at several local health departments, spent time as a health educator, and worked as a researcher. His research experience started as an undergraduate student at the College of New Jersey, conducting news media content analyses to gauge the impact of community structure on the framing of health issues. It continued as a graduate student at the Johns Hopkins Bloomberg School of Public Health, where Mr. Trotochaud worked as a research assistant with the Learner Center for Health Promotion. There he assisted on a project gauging the effectiveness of a nutritional policy on childhood obesity in home care settings.

In addition, Mr. Trotochaud has worked with the George Mason University's Center for Climate Change Communication in 2 capacities: assisting on content analysis derived from nationwide survey data and participating in a summer program run in collaboration with the US National Park Service. Mr. Trotochaud joined the Center for Health Security in the fall of 2018 to fulfill the culminating field placement experience for his MSPH program.

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<https://www.centerforhealthsecurity.org/our-people/trotochaud/>

Alexandre “Sasha” White

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Sasha White joined the Johns Hopkins Faculty in 2019 after completing a Provost’s Post-Doctoral Fellowship there. He earned his B.A. in Black Studies from Amherst College, MSc. in Sociology from the London School of Economics and Political Science, and PhD in Sociology from Boston University. He is also jointly affiliated with the Department of the History of Medicine as an Assistant Professor in the School of Medicine and am an Associate Director for the Center for Medicine Humanities and Social Medicine.

White’s work examines the social effects of infectious epidemic outbreaks in both historical and contemporary settings as well as the global mechanisms that produce responses to outbreak. His book project, *Epidemic Orientalism: Plagues, Power and the Politics of Infectious Disease Control*, explores the historical roots of international responses to epidemic threats. This book will examine how certain epidemic outbreaks become "global threats", that is, diseases that become the focus of international regulations and organized responses while others do not. To answer this question, this work draws upon archival data collected at the World Health Organization (WHO) archives in Geneva, the Western Cape Archives in Cape Town, the British Library, British National Archives, the Wellcome Library Archives in London, and twelve qualitative interviews with senior global health actors in order to analyze five cases when disease threats were prioritized internationally as well as how these constructions patterned responses to outbreaks.

White begins by exploring the formation of the first international disease controls in the 19th century, the International Sanitary Conventions, created to prevent the spread of three diseases- plague, cholera and yellow fever. He probes how these earliest conventions patterned responses to diseases covered under them and limited responses to those beyond their scope. Examining how these conventions transformed, he explores why the same disease priorities were maintained by the WHO in their International Sanitary Regulations of the 1950’s. Finally, he analyzes the transformation of the International Health Regulations in 2005 and its effects on the assessment of disease threat.

White’s published work in the field has demonstrated how differences in the perceived threat of deadly diseases have provoked anomalous responses to outbreaks. *Global Risks, Divergent Pandemics: Contrasting Responses To Bubonic Plague And Smallpox In 1901 Cape Town*, in *Social Science History* explores two simultaneous epidemics that, despite similar pathologies, prompted significantly varying responses from public health actors in 1901 Cape Town: the bubonic plague and smallpox. His work in fields beyond medical sociology has primarily explored questions of racial subjectivities, anti-colonial revolution and uprising and structures of colonial domination and resistance.

<https://www.alexandrewhite.com/new-page>