# Adopting Open Science Practices: Researcher Perspectives on Incentives and Disincentives: A Symposium

## Committee

## Keith R. Yamamoto

**Chair**

KEITH R. YAMAMOTO (Chair) (NAS/NAM) is University of California, San Francisco (UCSF) vice chancellor for science policy and strategy, director of precision medicine for UCSF, and professor of cellular and molecular pharmacology at UCSF. He is a leading researcher investigating transcriptional regulation by nuclear receptors, which mediate the actions of essential hormones and cellular signals; he uses mechanistic and systems approaches to pursue these problems in pure molecules, cells and whole organisms. He has led or served on numerous national committees focused on public and scientific policy, public understanding and support of biological research, and science education; he chairs the Coalition for the Life Sciences, and sits on the National Academy of Medicine Council and the National Academy of Sciences (NAS) Division of Earth and Life Studies Advisory Committee. As Chair of the NAS Board on Life Sciences, he created the study committee that produced “Toward Precision Medicine: Building a Knowledge Network for Biomedical Research and a New Taxonomy of Disease,” the report that enunciated the precision medicine concept, and he has helped to lead efforts in the White House, in Congress, in Sacramento and at UCSF to implement it. He has chaired or served on many committees that oversee training and the biomedical workforce, research funding, and the process of peer review and the policies that govern it at the National Institutes of Health. He is a member of the advisory board for Lawrence Berkeley National Laboratory and the board of directors of Research!America. He was elected to the National Academy of Sciences, the National Academy of Medicine, the American Academy of Arts and Sciences, and the American Academy of Microbiology, and is a fellow of the American Association for the Advancement of Science.

## Heather Joseph

**Member**

HEATHER JOSEPH serves as the Executive Director of the Scholarly Publishing and Academic Resources Coalition (SPARC), a library-based organization that support open access to the results of scholarly and scientific research through enabling open access publishing and archiving channels, programs, and advocacy for local, national and international open access policies. She convenes the Alliance for Taxpayer Access and the Open Access Working Group, broad coalitions of university, library, advocacy, and consumer groups that serve as leading voices on U.S. open access policies, including the landmark National Institutes of Health (NIH) public access policy and a White House Directive. She is particularly proud to have supported the creation and launch of SPARC's student Right to Research Coalition, an international advocacy organization that now provides nearly seven million students worldwide with opportunities to actively engage advocacy for the open sharing of research outputs and educational materials – often in partnership with the library community. Prior to joining SPARC, Ms. Joseph spent 15 years as a publishing executive in both commercial and not-for-profit organizations. She was the publisher of the first journal to commit its full content to the NIH's pioneering open access repository, PubMed Central, and subsequently served on the National Advisory Committee for this initiative. She is also the founder BioOne, a collaborative publishing organization designed to keep non-profit publishers operating independently. In 2015, she was appointed to the newly-formed Commerce Data Advisory Council and tasked with providing input to the Secretary of Commerce on issues surrounding open data. She serves on the Board of Directors of key non-profit organizations supporting the open sharing knowledge, including the the Public Library of Science (PLOS), DuraSpace, EIFL, the Center for Open Science, and ImpactStory.

## Thomas A. Kalil

**Member**

THOMAS KALIL is Chief Innovation Officer at Schmidt Futures. In this role, Mr. Kalil leads initiatives to harness technology for societal challenges, improve science policy, and identify and pursue 21st-century moonshots. Prior to Schmidt Futures, Mr. Kalil served in the White House for two Presidents (Obama and Clinton), helping to design and launch national science and technology initiatives in areas such as nanotechnology, the BRAIN initiative, data science, materials by design, robotics, commercial space, high-speed networks, access to capital for startups, high-skill immigration, STEM education, learning technology, startup ecosystems, and the federal use of incentive prizes. From 2001 to 2008, Mr. Kalil was Special Assistant to the Chancellor for Science and Technology at University of California, Berkeley. Mr. Kalil received a B.A. in political science and international economics from the University of Wisconsin at Madison and completed graduate work at the Fletcher School of Law and Diplomacy.

# Thomas S. Arrison

**Staff Officer**

TOM ARRISON is a program director in the Policy and Global Affairs Division at the National Academies of Sciences, Engineering, and Medicine. Mr. Arrison was study director for the report Open Science by Design: Realizing a Vision for 21st Century Research and is staff director for the new Roundtable on Aligning Incentives for Open Science. He has over 28 years of experience with the National Academies, including directing a range of studies and other projects on international science and technology relations, innovation, information technology, and strengthening the U.S. research enterprise. Other recent projects include the NASEM reports Fostering Integrity in Research and Ensuring the Integrity, Accessibility, and Stewardship of Research Data in the Digital Age, and the InterAcademy Partnership reports Responsible Conduct in the Global Research Enterprise: A Policy Report, and Doing Global Science.