



ACD WORKING GROUP ON THE FUTURE BIOMEDICAL RESEARCH WORKFORCE

June 2011

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Deputy Director for Extramural Research
National Institutes of Health



Charge

1. Develop a model for a sustainable and diverse U.S. biomedical research workforce that can inform decisions about training of the optimal number of people for the appropriate types of positions that will advance science and promote health. Developing the model will include an analysis of the current composition and size of the workforce to understand the consequences of current funding policies on the research framework. The model should include an assessment of present and future needs in the academic research arena, but also current and future needs in industry, science policy, education, communication, and other pathways. The model will also require an assessment of current and future availability of trainees from the domestic and international communities.
2. Based on this analysis and input from the extramural community, using appropriate expertise from NIH and external sources, and recognizing that there are limits to NIH's ability to control many aspects of the training pipeline, the committee will make recommendations for actions that NIH should take to support a future sustainable biomedical infrastructure.



Roster

- **Shirley Tilghman**, PhD, President, Princeton University, *co-Chair*
- **Sally Rockey**, PhD, NIH Deputy Director for Extramural Research, NIH, *co-Chair*
- **Sandra Degen**, PhD, Vice President for Research, University of Cincinnati
- **Laura Forese**, MD, COO, Chief Medical Officer, and Senior Vice President, NY-Presbyterian Hospital/Weill Cornell Medical Center
- **Freeman Hrabowski**, PhD, President, University of Maryland, Baltimore County
- **James Jackson**, PhD, Professor of Psychology and Director, Institute for Social Research, University of Michigan
- **Leemor Joshua-Tor**, PhD, Professor and Dean, Watson School of Biological Sciences, HHMI Investigator, Cold Spring Harbor Laboratory
- **Richard Lifton**, MD, PhD, HHMI Investigator, Yale School of Medicine
- **Garry Neil**, MD, Corporate Vice President, Corporate Office of Science and Technology, Johnson & Johnson
- **Naomi Rosenberg**, PhD, Dean, Sackler School of Graduate Biomedical Sciences, Tufts University School of Medicine
- **Bruce A. Weinberg**, PhD, Ohio State University
- **Keith Yamamoto**, PhD, Executive Vice Dean, School of Medicine, University of California San Francisco



Modeling sub-Committee

- **Bruce Weinberg, Ph.D.**, Professor of Economics, Ohio State University, *chair*
- **David Blau, Ph.D.**, Professor of Economics, Ohio State University
- **Stephen Eubank, Ph.D.** Professor of Physics, Virginia Bioinformatics Institute & deputy director, Network Dynamics and Simulation Science Laboratory, Virginia Tech
- **Richard B. Freeman, Ph.D.** Herbert Ascherman Chair of Economics, Harvard University & director of the National Bureau of Economic Research/Sloan Science Engineering Workforce Project
- **Donna Ginther, Ph.D.**, Professor of Economics & Director, Center for Economic and Business Analysis, University of Kansas
- **Peter K. Sorger, Ph.D.** Professor of Biology and Biological Engineering, Massachusetts Institute of Technology
- **Paula Stephan, Ph.D.** Professor of Economics, Georgia State University
- **Michael Teitelbaum, Ph.D.** Senior Advisor, The Alfred P. Sloan Foundation



Activities

- May 10, 2011 – first working group call
- May 23, 2011 – first modeling sub-committee call
- June 21, 2011 – one day meeting on NIH campus including
 - Working group meeting
 - Presentations from stakeholders
- Plan to issue an RFI in the coming months

