

Practical Approaches to Enhancing Fairness, Social Responsibility and the Inclusion of Diverse Viewpoints in Biomedicine

Workshop Description

In biomedical research and clinical medicine, many of the ethical frameworks and processes focus on benefits and harms at the individual level. However, in biomedicine, there is increasing recognition of a need to implement frameworks and processes that address the social impacts of technologies, such as genomics and AI technologies, and their social benefit for underrepresented populations and communities. For example, studies demonstrating the potential for bias in AI shed light on the need to develop processes to more effectively identify and address downstream impacts of medical AI, as well as engage communities who are stakeholders in the research. Privacy is often envisioned as an individual right, but the collection and use of data also have repercussions at the level of groups and communities. For that reason, there have been recent efforts to arrive at models for data stewardship and data sovereignty. This workshop will provide a forum for discussion of practical approaches to enhancing fairness, social responsibility and inclusion of diverse viewpoints in biomedicine. Interdisciplinary research on ethics and how fairness, social responsibility, and community engagement can be operationalized in biomedical research will provide a foundation for robust discussion on these issues.

Agenda

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| 1:30-1:40 | Nicole Martinez-Martin, JD, PhD, <i>Welcoming remarks</i> |
| 1:40-2:00 | Daphne Martschenko, PhD “Wrestling with Public Input on Social and Behavioral Genomics” reporting on scholarship gathering the perspectives of members of the public on the risks and potential benefits of social and behavioral genomics |
| 2:00-2:20 | Carol Federico, PhD “Ethical and Social Implications of Synthetic Data” |
| 2:20-2:40 | Krystal Tsosie, PhD, MPH, “Platforms Not Platitudes: Operationalizing Ethics and Advancing Indigenous Data and Digital Sovereignty” |
| 2:40-3:00 | Q& A |
| 3:00-3:15 | Break |
| 3:15-3:35 | Meghan Halley, PhD, MPH, Senior Research Scholar in Biomedical Ethics, Stanford University: “Developer perspectives on the potential benefits and harms of AI in healthcare. |
| 3:35-4:30 | Facilitated Interactive Exercise on Incorporating Values in Design: Mildred Cho, PhD, Nicole Martinez-Martin, JD, PhD, and Tiffany Bright, PhD will facilitate an interactive audience exercise and discussion, based on Dr. Cho’s team’s research on incorporating values in ML design. |