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**EMERGING TECHNOLOGIES**  
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**FACULTY LIST**

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**KEVIN ESVELT** is an Associate Professor at the MIT Media Lab, where he leads the Sculpting Evolution Group in advancing biotechnology safely. He was the inventor of an synthetic microbial ecosystem to rapidly evolve useful biomolecules, and subsequently helped pioneer the development of CRISPR, a powerful new method of genome engineering. In 2013, Esvelt was the first to identify the potential for CRISPR “gene drive” systems to alter wild populations of organisms. Esvelt and his colleagues chose to break with scientific tradition by revealing their findings and calling for open discussion and safeguards before building the first CRISPR. His work has been published in *Nature* and *Science*, covered by *The New York Times* and *The Washington Post*, and featured on the Netflix special, *Unnatural Selection*.

**ERIK LIN-GREENBERG** is the Leo Marx Career Development Associate Professor in the History and Culture of Science and Technology in the Department of Political Science at MIT. His research examines how emerging military technology affects conflict dynamics and the regulation and use of force. In his book project, he studies how remote warfighting technologies – like drones – shape crisis escalation. In other ongoing projects, he explores how technology and public opinion influence alliance politics and decisions on the use of force. His work has appeared or is forthcoming in academic and policy outlets including *Journal of Politics*, *International Studies Quarterly*, *Journal of Conflict Resolution*, *Security Studies*, *The Washington Post*, *Foreign Affairs*, and *Foreign Policy*.

**KENNETH OYE** is a Post-Tenure Professor of Political Science and Data Systems and Society at MIT. His work in international relations includes *Cooperation under Anarchy: Economic Discrimination and Political Exchange* and four co-edited volumes on US foreign policy. Oye consulted for the Petersen Institute, UNIDO, US Treasury, Commerce, and EXIM. His work in technology policy examines the risks and benefits of synthetic biology, pharmaceuticals, and the internet. It has resulted in papers in *Nature*, *Science*, *Clinical Pharmacology and Therapeutics*, *Politics and the Life Sciences*, and *Issues in Science and Technology*. Oye is Director of the MIT Program on Emerging Technologies, a faculty affiliate of the Synthetic Biology Center, the Center for Biomedical Innovation, and the Internet Policy Research Initiative; and Chair of the Broad Institute Biosafety Committee.