

2020 Machine Learning in the Chemical Sciences and Engineering Awards

Institution	Applicant
California Institute of Technology	Frances Arnold <i>Validation and Dissemination of Machine Learning-Assisted Enzyme Engineering</i>
The University of Chicago	Andrew Ferguson <i>Data-driven Protein Engineering Using Deep Generative Learning and High-throughput Gene Synthesis</i>
University of Minnesota	Jason Goodpaster <i>Machine Learning Models for Chemical Reactions</i>
Massachusetts Institute of Technology	Klavs Jensen <i>Machine-Learning-Guided Discovery of New Electrochemical Reactions</i>
Tufts University	Yu-Shan Lin <i>Low-supervision Machine Learning for Automated Analysis of Molecular Dynamics Simulations</i>
California Institute of Technology	Thomas Miller <i>Molecular-Orbital-Based Machine Learning for Excited States</i>
Purdue University	Brett Savoie <i>Transfer Learning for Deep Generative Chemical Models</i>
California Institute of Technology	John Seinfeld <i>Application of Machine Learning to Represent the Molecular Routes Comprising Atmospheric Chemistry</i>