

# 2015 Young Investigator Award Winner: Timothy K. Lu

The editors of *Biochemical Engineering Journal*, in cooperation with ECI's [Biochemical and Molecular Engineering XIX conference](#), are delighted to announce the selection of **Dr. Timothy K. Lu** as the recipient of the **2015 Biochemical Engineering Journal Young Investigator Award**.

Launched in 2009, this now annual award recognizes outstanding excellence in research and practice contributed to the field of biochemical engineering by a young community member.

The 2015 award consists of a cash prize of \$2,500 and a plaque presented at the ECI's Biochemical and Molecular Engineering XIX conference, held from July 12-16, 2015 at the Hyatt Ziva in Puerto Vallarta, Mexico. Dr. Timothy K. Lu will present the Award Lecture on Tuesday, July 14 at 6:30 pm.

Award recipients are also invited to compose a review article for the *Biochemical Engineering Journal*, based on the topic of their lecture.



## **[Read the abstract of Dr. Timothy K. Lu's Lecture](#), Scalable Analog and Digital Platforms for Biological Computing and Memory**

Timothy Lu, M.D., Ph.D. is an Associate Professor leading the Synthetic Biology Group in the Department of Electrical Engineering and Computer Science and Department of Biological Engineering at MIT. Tim received his S.B. and M.Eng. in Electrical Engineering and Computer Science at MIT and completed his M.D./Ph.D. in the Harvard-MIT Health Sciences and Technology Program. He is a core member of the Synthetic Biology Center at MIT, Associate Member at the Broad Institute of MIT and Harvard, and co-founder of multiple start-up companies, including Sample6, Eligo Biosciences, and Synlogic. He is also affiliated with the MIT CSBi Program, the MIT Microbiology Program, and the Harvard Biophysics Program. Tim is a recipient of the Presidential Early Career Award for Scientists and Engineers (the highest honor given by the US government to early career investigators), the NSF CAREER Award, Young Investigator Prizes from the Army Research Office and the Office of Naval Research, the Lemelson-MIT Student Prize, Grand Prize in the National Inventor Hall of Fame's Collegiate Inventors Competition, and the Leon Reznick Memorial Prize for "outstanding performance in research" from Harvard Medical School. He was also selected as a Kavli Fellow by the National Academy of Sciences, a Siebel Scholar, and one of Technology Review's top 35 innovators under the age of 35.

The Lu lab's current research is focused on establishing foundational platforms to enable the engineering of robust, scalable, and sophisticated biological networks in living cells. These platforms are being applied to tackle a wide range of industrial and biomedical challenges, including scalable materials assembly, on-demand biomanufacturing, antibiotic resistance, microbiome engineering, cancer, and neurodegenerative diseases.

