Postdoctoral Fellowship in Synthetic Biology and Mouse Genetic Engineering

The Synthetic Biology Center at MIT and the Biodesign Institute at ASU are searching for a Postdoctoral Research Associate to genetically program mammalian cells. Specifically, we are interested in the creation of genetic circuits that measure the dynamics and cell lineages of tissues and tumors in mice. The resulting research program will make substantial contributions to developmental biology, physiology and cancer biology. The Postdoctoral Research Associate will work primarily in the Weiss lab at MIT, and be co-mentored by Profs. Ron Weiss at MIT and Carlo Maley at ASU, with regular trips to the Maley lab at ASU, to benefit from the highly interdisciplinary research environment there.

The ideal candidate would have expertise in mammalian synthetic biology and in engineering CRISPR systems. Expertise in evolutionary and developmental biology is preferred but not required.

To apply, please submit an application packet to toxop@mit.edu as a single pdf document. The packet should include the following materials: 1) a cover letter specifying relevant qualifications and training, 2) curriculum vitae, 3) statement of current research interests and expertise (2 page maximum), 4) two letters of reference, and 5) one peer-reviewed publication. Please include “Application for Postdoc- mammalian genetic engineering” in the email subject line. Initial review of applications will begin on January 15, 2016; if not filled, review will continue every week thereafter until the search is closed. A background check is required for employment.

Arizona State University is a new model for American higher education, an unprecedented combination of academic excellence, entrepreneurial energy and broad access. This New American University is a single, unified institution comprising four differentiated campuses positively impacting the economic, social, cultural and environmental health of the communities it serves. Its research is inspired by real world application blurring the boundaries that traditionally separate academic disciplines. ASU serves more than 80,000 students in metropolitan Phoenix, Arizona, the nation’s fifth largest city. ASU champions intellectual and cultural diversity, and welcomes students from all fifty states and more than one hundred nations across the globe.

Arizona State University is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will be considered without regard to race, color, sex, religion, national origin, disability, protected veteran status, or any other basis protected by law.