

Institute for Quantitative Biomedicine at Rutgers

Major Accomplishments July 1st 2016-June 30th 2017

- *Expanded Institute for Quantitative Biomedicine (IQB) Membership* to include >100 existing tenured and tenure-track faculty members, from 33 departments across Rutgers Newark, Rutgers New Brunswick, and Rutgers Biomedical Health Sciences.
- *Recruited a Tenured Associate Professor in Advanced Analytics/Data Science* (Dr. Sijian Wang, University of Wisconsin) jointly with the School of Arts and Sciences Department of Statistics and Biostatistics.
- *Recruited a Tenure-track Assistant Professor in Cryo-Electron Microscopy* (Dr. Arek Kulczyk, Harvard Medical School) jointly with the School of Environmental and Biological Sciences Department of Biochemistry and Microbiology.
- *Commissioned FEI Talos Arctica Cryo-Electron Microscope* for the Rutgers New Jersey Core Facility for Cryo-Electron Microscopy and Tomography.
- *Ran 4th Annual IQB Winter Boot Camp on Single-Particle Cryo-Electron Microscopy* (January 4-13) for Rutgers undergraduate and graduate students, postdoctoral fellows, research staff, and faculty plus three visiting Japanese scientists from Osaka University (Total Participants: ~50).
- *Ran 1st IQB Academic-Industrial Single-Particle Cryo-Electron Microscopy Workshop* (January 9-13) for experienced pharmaceutical company drug discovery scientists, concurrently with Week Two of the IQB Winter Boot Camp (Total Participants: 9).
- IQB Anti-Microbial Research Working Group and the School of Environmental and Biological Sciences are running the *1st Annual IQB Summer Boot Camp on Mechanisms of Anti-Microbial Resistance* (June 19-23).
- IQB Cancer Genomics and Proteomics Research Working Group ran an *IQB Crash Course on Anti-Cancer Immune Checkpoint Therapies* (October 4).
- *IQB hosts a Wednesday Noon Seminar Series*. Following each seminar, Quantitative Biomedicine (QB) graduate students meet informally with the speaker for lunch and lively discussions. This high profile series is one of the most popular seminar offerings on the Busch Science Campus.
- *Worked with IQB faculty to shape the Quantitative Biomedicine Graduate Program* to complement other Rutgers' STEM programs. The QB training program is developing a unique series of course offerings and promoting interdisciplinary, collaborative research by our faculty and students.