

**Register by
NOVEMBER 16!**

6th Annual Interdisciplinary Quantitative Biology Boot Camp

Images source:
D. Sirohi et al. (2016)

SINGLE-PARTICLE CRYO-ELECTRON MICROSCOPY

January 7–11, 2019

**Institute for Quantitative Biomedicine
Rutgers University**

iqb.rutgers.edu

Registration:

Space is limited.

Register by **November 16th** at 5:00 pm at

iqb.rutgers.edu/bootcamp

Fees:

Details can be found on **iqb.rutgers.edu**.

The fees include all course materials, access to a supercomputer for data processing, parking, lunches, beverages, snacks, and evening networking events.

Questions:

Registration and logistics: bootcamp@iqb.rutgers.edu

The program: arek.kulczyk@rutgers.edu



RUTGERS

Institute for Quantitative Biomedicine

Rutgers Busch Campus • 174 Frelinghuysen Road
Piscataway, NJ 08854

GPS Address for Parking

Lot A, B, or C; 679 Hoes Lane West, Piscataway, NJ

This immersive course is designed to provide extensive skills in single particle cryo-EM through presentations and lectures by the industry's leading professionals enriched by practical exercises utilizing state-of-the-art technology.

Skills you will learn:

- Sample preparation
- Microscope alignments (200kV Talos Arctica equipped with a Summit K2 direct electron detector)
- Automated data acquisition with EPU
- Image processing & high-resolution structure determination using various software packages including Scipion, Relion, XMIPP, EMAN and others
- Validation & deposition in databases

Confirmed Speakers and Presenters

- Stephen Burley (*Rutgers, USA*)
- Andrew Byrd (*NIH, USA*)
- Bridget Carragher (*NYSBC, USA*)
- Wah Chiu (*Stanford, USA*)
- Wei Dai (*Rutgers, USA*)
- Marin van Heel (*CNPEM, Brazil*)
- Gijs Janssen (*Thermo Fisher Scientific, Netherlands*)
- David Jeruzalmi (*CCNY USA*)
- Jason Kaelber (*Rutgers, USA*)
- Arek Kulczyk (*Rutgers, USA*)
- Cathy Lawson (*Rutgers, USA*)
- Carlos Oscar Sorzano (*CNB-CSIC, Spain*)
- Nancy Rizzo (*Leica Microsystems, USA*)
- John Spear (*Thermo Fisher Scientific, USA*)