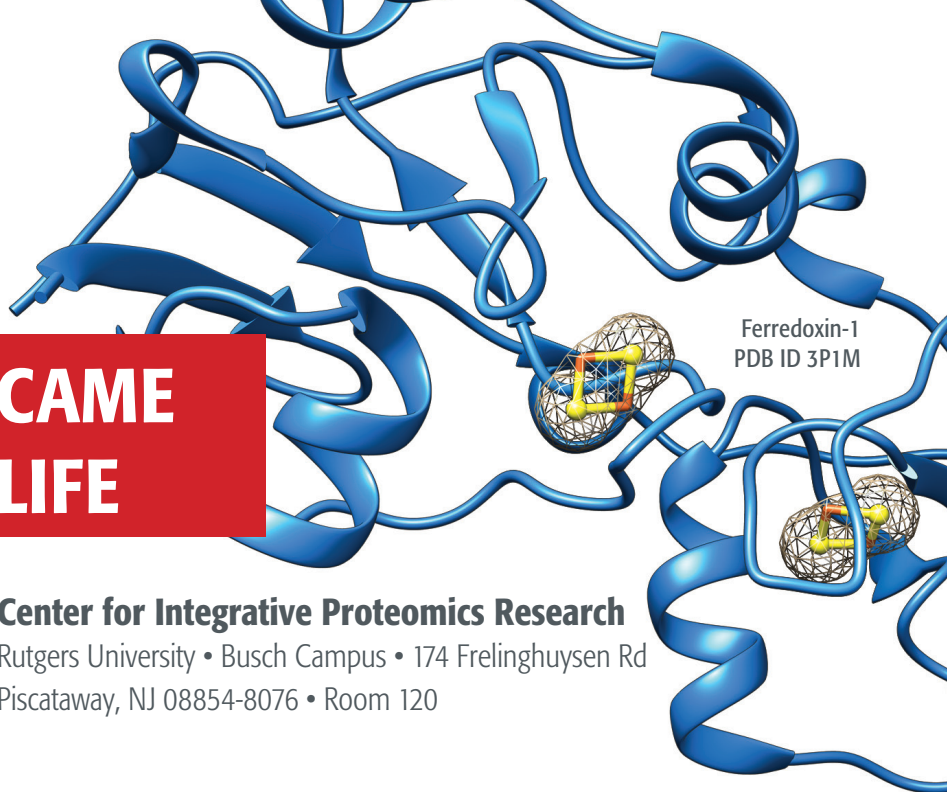


ONE DAY Proteomics CRASH COURSE

HOW PROTEINS BECAME THE CATALYSTS OF LIFE



January 28th 2016

Center for Integrative Proteomics Research

Rutgers University • Busch Campus • 174 Frelinghuysen Rd
Piscataway, NJ 08854-8076 • Room 120

This intensive full day course will expand your understanding of PROTEIN STRUCTURE, DESIGN, AND FUNCTION.

Faculty, post-docs, graduate and undergraduate students welcome.

Learn about the ROLE OF PROTEINS IN EVOLUTION and meet distinguished colleagues from inside and outside of Rutgers researching the co-evolution of geosphere and biosphere.

REGISTRATION

The program is FREE but limited to 100 participants. Register today by emailing your name and contact info to Beatrice Birrer

bea@marine.rutgers.edu

PROGRAM

- 9:00 AM *Continental breakfast*
- 9:15 AM **Welcome and introductions**
Stephen K. Burley: Institute for Quantitative Biomedicine, Rutgers
- 9:20 AM **An overview of the day**
Paul Falkowski: Institute of Marine and Coastal Sciences, Rutgers
- 9:30 AM **A primer on protein structure**
Stephen K. Burley: RCSB Protein Data Bank, Rutgers
- 10:30 AM *Coffee and tea*
- 10:45 AM **The concept of catalysis - how proteins (as enzymes) work - and most critically - classifying "folds"**
Vikas Nanda: CABM, RWJMS, Rutgers
- 12:00 PM *Lunch provided for registered participants*
- 1:00 PM **Accessing and visualizing protein structures in 3D**
Shuchismita Dutta: RCSB Protein Data Bank, Rutgers
- 2:15 PM **What metals do in proteins - and why are some metals more "special" than others in catalyzing redox reactions**
Paul Falkowski: Institute of Marine and Coastal Sciences, Rutgers
- 3:15 PM *Coffee and tea*
- 3:30 PM **Networks, and how can we possibly "date" the origin of proteins**
Yana Bromberg: School of Environmental and Biological Sciences, Rutgers
- 4:30 PM **General discussion**
- 5:00 PM *Reception*

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PROTEOMICS
Research

Marine and Coastal Sciences

W. M. KECK FOUNDATION

Parking instructions and directions: iqb.rutgers.edu/node/19