



Welcome to the Institute for Quantitative Biomedicine

**Founding Director:
Stephen K. Burley, M.D., D.Phil.**



Introducing IQB

- **Vision:** Rutgers system-wide center-of-excellence for interdisciplinary quantitative biomedical research
- **Mission:**
 - To foster a vibrant, cohesive community of Rutgers basic, applied, and clinical scientists committed to collaborative quantitative biomedical research
 - To develop next generation quantitative researchers for work at the interface with biology and medicine



IQB Activities

- **Research Working Groups**
 - **Cancer Genomics/Proteomics** (Chairs: Ganesan and Burley)
 - **Antimicrobial Resistance** (Chairs: Perlin and Burley)

- **Graduate Program** (Director: Khare)

- **Weekly Seminar Series** (Wednesdays at Noon)

- **Boot Camps and Crash Courses** (Next event March 25th)



IQB Crash Course: Order and Disorder in Biology and Human Disease

Co-Chairs: Jean Baum and Stephen K. Burley
February 26th 2019



Crash Course Objectives

- Understand the field of Intrinsically Disordered Proteins (IDPs)
- Appreciate the BMRB perspective on IDPs
- Learn about using the PDB to study protein disorder
- Understand the roles IDPs play in neurodegenerative disease
- Learn about the cell biology of liquid phase IDPs



Crash Course Program

- 1:15-2:15 Keith Dunker: A Pioneer's Perspective
- 2:15-2:45 Pedro Romero: BMRB Perspective
- 2:45-3:15 Stephen K. Burley: IDPs in the PDB
- 3:15-3:45 Group Photograph/Networking
- 3:45-4:15 Jean Baum: IDPs in Neurodegenerative Diseases
- 4:15-4:45 Nicolas Fawzi: Liquid Phase IDPs
- 4:45-5:00 Gaetano Montelione: Summary/Acknowledgements
- 5:00-6:00 Reception



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