

# Research

## Targets, Tools, and Drugs: Advances in Molecular Discovery at BU

April 4 | 4:00-6:00 PM

### Introductions:

Gloria Waters

John A. Porco, Jr.

Vice President and Associate Provost for Research

Director, BU Center for Molecular Discovery (CMD),  
and Professor, Chemistry, CAS

### Research Presentations:

- **Drugs and Probes for Highly Challenging Protein-Protein Interaction (PPI) Targets**  
*Adrian Whitty, Ph.D., Associate Professor, Chemistry, CAS*
- **Beyond HTS: BU-CMD Strategies for Focused Molecular Discovery**  
*Lauren Brown, Ph.D., Assistant Director, CMD, and Research Assistant Professor, Chemistry, CAS*
- **Neuroprotection in Alzheimer's Disease**  
*Carmela Abraham, Ph.D., Professor, Biochemistry, Medicine, and Pharmacology & Experimental Therapeutics, MED*
- **Collaborative Research in the Beeler Lab**  
*Aaron Beeler, Ph.D., Assistant Professor, Chemistry, CAS*
- **LSF-Targeted Small Molecules as Hepatocellular Carcinoma Chemotherapeutics**  
*Scott Schaus, Ph.D., Associate Professor, Chemistry, CAS*
- **Structure-Aided Inhibitor Design**  
*Karen Allen, Ph.D., Professor, Chemistry, CAS*
- **Targeting a Novel Signaling Interface in Metastasis**  
*Mikel Garcia-Marcos, Ph.D., Assistant Professor, Biochemistry, MED*
- **Can Novel Cancer Therapeutics Be Identified through Combined Genetic and Chemical Efforts?**  
*Hui Feng, M.D., Ph.D., Assistant Professor, Medicine and Pharmacology & Experimental Therapeutics, MED*
- **TREM2 Activation Reporter System**  
*Tsuneya Ikezu, M.D., Ph.D., Professor, Neurology and Pharmacology & Experimental Therapeutics, MED*
- **Genetic and Pharmacological Control of the Inflammatory Damage Caused by Tuberculosis and Other Infections**  
*Igor Kramnik, M.D., Ph.D., Associate Professor, Medicine, MED*
- **Reaction Development: Heteroatom Directed Reductive Coupling**  
*James Panek, Ph.D., Samour Family Professor in Organic Chemistry, CAS*
- **Small Molecule Probes of Virus Function**  
*John Connor, Ph.D., Associate Professor, Microbiology, MED*



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