

**2017 CWRU Summer Lunch Seminars
in the Biological and Social Sciences and Chemistry
Location: NORD 410, EXCEPT JULY 12TH & AUG. 4TH**

For food count purposes, please RSVP to bvp@case.edu by midnight the previous Monday evening.
BRING YOUR WATER BOTTLE; we will have water available to drink.

Informal buffet lunch – 11:45am Student Presenter – 12:00pm Faculty Presenter – 12:15pm

May 31

- Introductions
- Nathan Berger, Distinguished University Professor, Hanna-Payne Professor of Experimental Medicine, Professor of Medicine, Biochemistry, Oncology and Genetics, Director, Center for Science, Health and Society: *Metaflammation: A Link Between Diet, Obesity and Cancer*

June 7

- Hanyu Zhang, *Computational Modeling of Metallic Glasses and X-Ray Spectroscopy Data Analysis*
- Joshua Reichman, *Virtual reality system to diagnose cognitive function impairments in people with brain injury*
- Chris Fietkiewicz, Assistant Professor of Computational Neuroscience, Department of Electrical Engineering & Computer Science: *Simulating the Brain on a Supercomputer*

June 14

- Joyce Chu, *The Development of Gait Dynamics in a Mouse Model for Down Syndrome*
- Ragul Yuvaraj, *Quantifying Cells in the Embryonic Heart using Expansion*
- *Optical Coherence Tomography*
- Burcu Gurkan, Assistant Professor, Department of Chemical and Biomolecular Engineering: *Ionic Liquids Electrolytes for Electrochemical Systems*

June 21

- Student Presentation. *Presentation Title.*
- Mike Benard, Associate Professor, George B. Mayer Chair in Urban and Environmental Studies, Department of Biology: *Will Climate Change's Positive and Negative Effects Compensate for One Another in North American Amphibians?*

June 28

- Student Presentation. *Presentation Title.*
- Valerie Boebel Toly, Assistant Professor, Frances Payne Bolton School of Nursing: *Families Who Care for Children Dependent on Life-Saving Technology at Home: A Program of Study*

July 5

- Matt Thompson, *Unraveling the therapeutic mechanism of CHIR-99021 in Huntington's Disease*
- Drew Adams, Assistant Professor, Department of Genetics and Genome Sciences, *Research at the Interface of Chemistry And Biology*

July 12 *** LOCATION: Sears 480 ***

- Akinola Akinbote, *Quantifying Matrix Effects on Cardiac Proliferation and Maturation: A Study to Investigate the Effects of Cardiac ECM from Animals of Different Ages on TGF β 1 Induced Fibroblast to Myofibroblast Differentiation*
- Vijay Krishna, Assistant Staff, Biomedical Engineering; Assistant Professor of Molecular Medicine, Cleveland Clinic: *Engineering Nanomaterials for Biomedical Applications*

July 19

- Rui Xin, *Evaluating the Characteristics of a Novel Platform for CRISPR-Cas9 Mediated Gene*

Therapy

- Lauren Calandrucchio, Assistant Professor, Department of Psychological Sciences: *Understanding Speech in Noisy Environments*

July 26

- Takayuki Suzuki, *Investigating the role of TGF β (1 & 3) and anisotropic substrate on Tenogenic Differentiation in Mesenchymal Stem Cells*
- Jenny Hawkins, Visiting Assistant Professor of Economics, Weatherhead School of Management: *Freelancing in an Evolving Gig Economy*

Aug 2

- Student Presentation. *Presentation Title.*
- Pallavi Tiwari, Associate Professor of Biomedical Engineering, *Radiomics, Radio-genomics, Radio-pathomics: Connecting the Dots Towards Personalized Medicine in Brain Tumors*

August 4 *** LOCATION: BRB Atrium, 10am-noon ***

- POSTER SESSION

SOURCE is grateful to the following for providing summer stipend support to participating students and for our Lunch & Learn Seminars.



- Institute for the Science of Origins (ISO)
- SDLE Center
- Facilities Department
- The Office of Sustainability
- SAGES
- WISER

The CWRU Summer Lunch Seminars in the Biological and Social Sciences and Chemistry are coordinated by SOURCE (Support of Undergraduate Research & Creative Endeavors), the centralized office for undergraduate research and creative endeavors at Case Western Reserve University. Direct questions to Sheila Pedigo, SOURCE Director by email Sheila.pedigo@case.edu or by phone: 216-368-8508.