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 β1 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 Calandruccio, Assistant Professor, Department of Psychological Sciences: *Understanding Speech in Noisy Environments*

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