

14<sup>th</sup> Annual Northeast Ohio Undergraduate Research Symposium (NOURS)

Case Western Reserve University (CWRU)

## Schedule of Events

Hovorka Auditorium	
8:00 – 8:30 am	Registration/Breakfast
DeGrace Hall 312	
8:30 am – 8:35 am	<i>Welcome</i> Prof. LaShanda Korley – CWRU
8:35 am – 9:05 am	Featured Research Talk Symone Alexander, Ph.D. Candidate/NSF Fellow Case Western Reserve University Hygromorphic Bilayer Composites
9:05 am – 9:25 am	Matthew Foronda, Kent State University Repurposing the Anticancer Drug Cisplatin for a Post-Antibiotic Era
9:25 am – 9:45 am	Avi Desai, Petru Fodor & Miron Kaufman, Cleveland State University <i>Fluid Flow Modeling in Single Screw Extruder Type Systems</i>
9:45 am – 10:05 am	Nathaniel Olson, NASA Yttria-Stabilized Zirconia Aerogels for High Temperature Applications
10:05 am – 10:25 am	James Covello, Case Western Reserve University Synthesis of Supramolecular Hydrogels through Thiol-ene Click Addition
10:25 am – 10:40 am	Break
10:40 am – 11:00 am	Mara Kuenen, University of Akron Impact of Concentration and Temperature on the Crosslinking of

	Butyl Rubber Using Triethylenediamine
11:00 am – 11:20 am	Caitlin Hawkins, Kent State University Stable Binding of Protein RsmG to 16S Helix 18 Requires RNA- proteins and RNA-RNA Contacts Formed by the 16S 5'-Domain RNA
11:20 am – 11:40 am	Jessica Cashman, NASA Flexible Polyimide Aerogels for use as Substrates for Conformal, Lightweight Antennas
11:40 am – 12:00 pm	Sara Hurley, Case Western Reserve University Using Affinity to Overcome the Limitations of PMMA Bone Cement
Hovorka Auditorium	
12:00 pm – 1:00 pm	Lunch/Poster set-up
1:00 pm – 2:30 pm	Poster Session
DeGrace Hall Rm. 312	
2:45 pm - 3:15 pm	Featured Research Talk Akhil Kandhari, Ph.D. Candidate Case Western Reserve University Bio-inspired Soft Robotics
3:15 pm – 3:35 pm	Lucas Mihibacher, University of Akron Impact of pH, Ion Choice and Concentration upon the Properties of a Self-Healing Mineral Hydrogel
3:35 pm – 3:55 pm	Tony D. Dobrilla, Cleveland State University Optimizing the Direct Visualization of HPC Microgels via Scanning Electron Microscopy
4:00 pm – 4:20 pm	Group Photo
4:20 pm	Wrap-up/Closing Remarks