

From cutting-edge discoveries to impactful innovations, engage in thought-provoking discussions about the impact of research and learn about the diverse range of research happening right here at Temple University. Expect to hear insights and successes from researchers as well as challenges faced and lessons learned. The symposium welcomes all faculty, graduate students, postdocs, and research staff. You are encouraged to bring your undergraduate class to participate in the program, but please note that the mixer will serve alcohol and is not open to undergraduates.

View the detailed program below.

Session Time	Topic & Speakers
11-11:10 a.m.	<b>Opening Remarks</b> Josh Gladden, PhD, Vice President for Research (OVRP)
11:10-11:40 a.m.	<b>AI/Machine Learning Lightning Talks</b> <ul style="list-style-type: none"> <li>RoboSNAP: Robot Social Navigation Among Pedestrians Philip Dames, PhD (COE); Donald Hantula, PhD (CLA); Slobodan Vucetic, PhD (CST)</li> <li>R2P3: Reading Between the Lines Across Thousands of Social and News Media Streams to Predict Events Zoran Obradovic, PhD (CST) Edoardo Airoidi, PhD (Fox); Eduard Dragut, PhD (CST); Edward Fink, PhD (Klein)</li> <li>Building an Intelligent Alzheimer's Disease Support System Based on Integrated Multimodal Data Huanmei Wu, PhD (CPH); Bari Dzomba, PhD (CPH); Hongchang Gao, PhD (CST); Domenico Pratico, MD (LKSOM); Mindy Shi, PhD (CST); Richard Souvenir, DSc (CST)</li> </ul> Moderator: <i>Geoff Wright, PhD (CPH)</i>
11:40-11:50 a.m.	<b>Introduction to I-SPARK</b> Josh Gladden, PhD, Vice President for Research (OVRP)
11:50-12:00 p.m.	<b>Greetings and Remarks</b> President John A. Fry
12:00-12:30 p.m.	<b>COVID-19 Lightning Talks</b> <ul style="list-style-type: none"> <li>Using Innovative Methods to Address COVID-19 Vaccine Hesitancy in Philadelphia Adults: Leveraging Community Connections Sarah Bass, PhD (CPH); Whitney Cabey, MD (LKSOM); Heather Gardiner, PhD (CPH)</li> <li>Developing a Rapid, Accurate, and Low Complexity PCR Platform for Diagnosing COVID-19 and other Respiratory Diseases at Frontline Health Care Facilities Glenn Gerhard, PhD (LKSOM); Hai-Lung Dai, PhD (CST)</li> <li>Risk, Experiences, and Responses to COVID-19 for At-Risk Groups Philip McCallion, PhD (CPH); Kathryn Burke, PhD (CEHD), Lisa Ferretti, PhD (CPH); Sally Gould-Taylor, PhD (CEHD)</li> </ul> Moderator: <i>Peter Marshall, PhD (CLA)</i>
<b>12:30-1:30 p.m.</b>	<b>LUNCH POSTER SESSION</b>
1:30-2:00 p.m.	<b>Cancer Lightning Talks</b> <ul style="list-style-type: none"> <li>Automatic Interpretation of Digital Pathology Images Using Deep Learning Iyad Obeid, PhD (COE); Denise Connolly, PhD (FCCC); Eduard Dragut, PhD (CST); Yuri Persidsky, MD (LKSOM)</li> <li>Small Molecules to Inhibit SARS-CoV-2 Nsp5 Proteolytic Functions Bassel Sawaya, PhD (LKSOM); Wayne Childers, PhD (Pharm)</li> </ul> Moderator: <i>Shohreh Amini, PhD (CST)</i>

Session Time	Topic & Speakers
2:00-2:30 p.m.	<p><b>Rules of Life Lightning Talks</b></p> <ul style="list-style-type: none"> <li>• Delineating Cell-Specific Translational Signatures of Early Life Stress in Reward-Related Neural Networks <b>Matthieu Wimmer, PhD (CLA); Debra Bangasser, PhD (CLA); Eric Ross, PhD (FCCC); Yan Zhou, PhD (FCCC)</b></li> <li>• Modeling Movement through Heterologous Biofilm Structures for Improved Antibiotic Delivery <b>Cagla Tukul, PhD (LKSOM); Bettina Buttarò, PhD (LKSOM); Gillian Quiesser, PhD (CST); Joseph Picone (COE)</b></li> <li>• Stapled Peptide Probes for Interrogation of Protein Tyrosine Phosphatases (PTPs)-Mediated Neuron Growth Inhibition <b>Ross Wang, PhD (CST); Michel Lemay, PhD (COE); Shuxin Li, MD, PhD (LKSOM)</b></li> </ul> <p><i>Moderator: Jason Chein, PhD (CLA)</i></p>
<b>2:30-2:45 p.m.</b>	<b>COFFEE BREAK POSTER SESSION</b>
2:45-3:15 p.m.	<p><b>Rules of Life &amp; Frontiers of Science Lightning Talks</b></p> <ul style="list-style-type: none"> <li>• Centenarian Species Genome Project <b>Glenn Gerhard, PhD (LKSOM); Sudhir Kumar, PhD (CST)</b></li> <li>• Temple Center for Epistemic Security: Preserving a Democratic Society's Epistemic Security <b>Edmund Dragut, PhD (CST); David Nickerson, PhD (CLA); Meghna Tallaragada, PhD (Klein); Bruce Hardy PhD (Klein); Slobodan Vucetic, PhD (CST)</b></li> <li>• Temple Center for Research on Energy Materials <b>Maria Iavarone, PhD (CST); Dan Strongin, PhD (CST); John Perdew, PhD (CST); Fei Ren, PhD (CST); Adrienn Ruzinsky, PhD (CST); Meghna Tallaragada, PhD (Klein); Bruce Hardy PhD (Klein); Xiaoxing Xi, PhD (CST); Qimin Yan, PhD (CST)</b></li> </ul> <p><i>Moderator: Rob Kulathinal, PhD (CST)</i></p>
3:15-3:45 p.m.	<p><b>Sustainability Lightning Talks</b></p> <ul style="list-style-type: none"> <li>• Treasure from Trash: Upcycling Single-Use Plastics for Remediation of Polluted Waterways <b>Graham Dobereiner, PhD (CST); Bojeong Kim, PhD (CST); Yugang Sun, PhD (CST); Rominder Suri, PhD (COE); Stephanie Wunder, PhD (CST)</b></li> <li>• Catalyzing Convergence Research on Health and well-being through a Bio3Science Sustainability Framework <b>Melissa Gilbert, PhD (CLA); Jocelyn Behm, PhD (CST); Victor Gutierrez-Velez, PhD (CLA); Allison Hayes-Conroy, PhD (CLA); Ralph Horwitz, MD (LKSOM); Rob Kulathinal, PhD (CST)</b></li> <li>• Center for Smart Technologies for Environmental and Energy Sustainability <b>Rominder Suri, PhD (COE); Krishna Kant, PhD (CST); Saroj Biswas, PhD (COE); Rongjia Tao, PhD (CST); Gangadhar Andaluri, PhD (COE); Darius Balciunas, PhD (CST)</b></li> </ul> <p><i>Moderator: Laura Toran, PhD (CST)</i></p>
<b>3:45-4:00 pm</b>	<b>COFFEE BREAK POSTER SESSION</b>
4:00 -5:00 p.m.	<p><b>Afternoon Keynote Speakers</b> <b>Mary Barbe, PhD (LKSOM); Johnathan Whetstine, PhD (FCCC); Kamel Khalili, PhD (LKSOM)</b></p>
5:00-7:00 p.m.	<b>Closing Remarks and Mixer</b>

**For more information and to register, go to:**  
[research.temple.edu/research-symposium](https://research.temple.edu/research-symposium)