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[www.Science2019.pitt.edu](http://www.Science2019.pitt.edu)

*Science 2019 events will take place in Alumni Hall and the William Pitt Union.*

### TUESDAY, 15 OCTOBER

#### **Special Preview Event**

3–5:00 p.m.

#### **Career Symposium for Postdocs and Graduate Students**

Location: O’Hara Student Center Ballroom, 2nd Floor

Exploring Your Passions and Recognizing Your Potential

### WEDNESDAY, 16 OCTOBER

3:00 p.m.

#### **Registration**

Location: Alumni Hall Foyer, 1st Floor

4:00 p.m.

#### **Michael G. Wells Entrepreneurial Scholars Lecture**

Location: Alumni Hall, Auditorium, 7th Floor

A panel of Michael G. Wells Student Health Care Competition past participants will share their entrepreneurial journeys since commercializing Pitt research discoveries.

4:45 p.m.

**Michael G. Wells Student Health Care Competition and Kuzneski Innovation Cup Winner Announcements**

Location: Alumni Hall, Auditorium, 7th Floor

Early in the day, Pitt students will compete as they pitch their innovations to judges from the local business community. Here, the winners of both competitions will be announced.

5:00 p.m.

**OPENING RECEPTION AND INNOVATION SHOWCASE**

Location: Alumni Hall, J.W. Connolly Ballroom, 1st Floor

Join the University of Pittsburgh [Innovation Institute](#) for a first look at the latest Pitt-generated innovations in health care, assistive technologies, Internet of Things, information technology, human performance, and more. Many of these technologies are available for licensing, and others already form the basis of local, early-stage companies.

**THURSDAY, 17 OCTOBER**

8:00 a.m.

**Registration**

Location: Alumni Hall Foyer, 1st Floor

9:00 a.m.

**SPOTLIGHT SESSION 1: Inflammation, Immunology, and Disease**

Location: Alumni Hall, Room 121, 1st Floor

Moderator: Mark Shlomchik, MD, PhD

Mark Shlomchik, MD, PhD

Greg Delgoffe, PhD

Mandy McGeachy, PhD

Fadi Lakkis, MD

9:00 a.m.

**SPOTLIGHT SESSION 2: Mapping and Understanding the Brain**

Location: William Pitt Union, Kurtzman Room, Main Floor

Moderator: Sarah Ross, PhD

Peter Strick, PhD

Afonso Silva, PhD

Shawn Sorrells, PhD

Julie Fiez, PhD

9:00 a.m.

**SPOTLIGHT SESSION 3: It's the Only Planet We Have**

Location: William Pitt Union, Room 548, 5th Floor

Moderator: Melissa Bilec, PhD

Daniel Bain, PhD

Emily Elliott, PhD

Sarah Haig, PhD

Matthew M. Barry, PhD

10:30 a.m.

## EXHIBIT BREAK

Alumni Hall, J.W. Connolly Ballroom, 1st Floor

11:00 a.m.

## PLENARY SESSION 1: Dickson Prize in Medicine Lecture

Location: Alumni Hall, Auditorium, 7th Floor

Keynote Speaker: **Ruslan Medzhitov, PhD**

*Host Defense Strategies*

12:30 p.m.

## EXHIBITS & LUNCH

Alumni Hall, J.W. Connolly Ballroom, 1st Floor

1:00 p.m.

## POSTER SESSION 1

Alumni Hall, J.W. Connolly Ballroom, 1st Floor

- Basic Life Science—From Molecule to Mouse
- Translational Life Science—From Animal to Human to Community
- Physical Science and Engineering
- New Research Tools and Techniques

2:00 p.m.

## SPOTLIGHT SESSION 4: Harnessing Technologies and Systems To Solve Real-World Problems

Location: Alumni Hall, Room 121, 1st Floor

Moderator: George Klinzing, PhD

Ryad Benosman, PhD

Andy Schwartz, PhD

Paul Cohen, PhD

Christopher Wilmer, PhD

2:00 p.m.

**SPOTLIGHT SESSION 5: Cellular and Protein Signaling and Trafficking**

Location: William Pitt Union, Room 548, 5th Floor

Moderator: Peter Drain, PhD

Marijn Ford, PhD

Allyson O'Donnell, PhD

Quasar Padiath, MBBS, PhD

Steven Graham, MD, PhD

2:00 p.m.

**SPOTLIGHT SESSION 6: Gene Expression, Development, and Disease**

Location: William Pitt Union, Kurtzman Room, Main Floor

Moderator: Saleem Khan, PhD

Gerard Campbell, PhD

Melissa Mann, PhD

Marianne Seney, PhD

Yaacov Barak, PhD

3:30 p.m.

**EXHIBIT BREAK**

Alumni Hall, J.W. Connolly Ballroom, 1st Floor

4:00 p.m.

**PLENARY SESSION 2: Hofmann Lecture**

Alumni Hall, Auditorium, 7th Floor

Keynote Speaker: **Dina Katabi, PhD**

*Health Monitoring with Machine Learning and Wireless Sensors*

5:15 p.m.

**UNDERGRADUATE RESEARCH POSTER RECEPTION**

Alumni Hall, J.W. Connolly Ballroom, 1st Floor

At a special reception open to all Science 2019 registrants, undergraduates from across the University will exhibit faculty-mentored posters in basic science, medicine, and engineering.

**FRIDAY, 18 OCTOBER**

**8:00 a.m.**

**Registration**

Location: Alumni Hall Foyer, 1st Floor

**9:00 a.m.**

**SPOTLIGHT SESSION 7: Mechanisms of Regeneration**

Location: William Pitt Union, Kurtzman Room, Main Floor

Moderator: Kacey Marra, PhD

Neil Hukriede, PhD

Michael Tsang, PhD

Cecelia Yates, PhD

Charles Sfeir, DDS, PhD

**9:00 a.m.**

**SPOTLIGHT SESSION 8: Novel Therapeutic Strategies**

Location: Alumni Hall, Room 121, 1st Floor

Moderator: Donald Taylor, PhD, MBA

Graham Hatfull, PhD

Leah Byrne, PhD

Erik Wright, PhD

Berthony Deslouches, MD, PhD

9:00 a.m.

**SPOTLIGHT SESSION 9: New Materials and Their Applications**

Location: William Pitt Union, Room 548, 5th Floor

Moderator: David Vorp, PhD

Jennifer Laaser, PhD

Yiming Wang, PhD

Warren Ruder, PhD

Ipsita Banerjee, PhD

10:30 a.m.

**EXHIBIT BREAK**

Alumni Hall, J.W. Connolly Ballroom, 1st Floor

11:00 a.m.

**PLENARY SESSION 3: Mellon Lecture**

Alumni Hall, Auditorium, 7th Floor

Keynote Speaker: **Alejandro Sánchez Alvarado, PhD**

*Past, Present, and Possible Futures for Regeneration Research*



12:30 p.m.

**LUNCH AND LAST CALL FOR EXHIBITS**

Alumni Hall, J.W. Connolly Ballroom, 1st Floor

1:00 p.m.

**POSTER SESSION 2**

Alumni Hall, J.W. Connolly Ballroom, 1st Floor

- Basic Life Science—From Molecule to Mouse
- Translational Life Science—From Animal to Human to Community
- Physical Science and Engineering
- New Research Tools and Techniques

2:00 p.m.

**SPOTLIGHT SESSION 10: Artificial Intelligence**

Location: William Pitt Union, Kurtzman Room, Main Floor

Moderator: Panayiotis (Takis) Benos, PhD

Christopher Seymour, MD, MSc

W. Seth Childers, PhD

Adriana Kovashka, PhD

Aniket (Niki) Kittur, PhD

2:00 p.m.

**SPOTLIGHT SESSION 11: Oxidative Stress**

Location: William Pitt Union, Room 548, 5th Floor

Moderator: Bruce Freeman, PhD

Patricia Opresko, PhD

Toren Finkel, MD, PhD

Patrick Pagano, PhD

Sruti Shiva, PhD

2:00 p.m.

**SPOTLIGHT SESSION 12: Tumorigenesis—Speeding It Up and Putting on the Brakes**

Location: Alumni Hall, Room 121, 1st Floor

Moderator: Steffi Oesterreich, PhD

Alan Wells, MD, DMSc

Ferruccio Galbiati, PhD

Yi-Nan Gong, PhD

Yael Nechemia-Arbely, PhD

3:30 p.m.

**BREAK**

Alumni Hall Foyer, 1st Floor

4:00 p.m.

**PLENARY SESSION 4: SENIOR VICE CHANCELLOR FOR RESEARCH LECTURE**

Alumni Hall, Auditorium, 7th Floor

Keynote Speaker: **Alfred Spector, PhD**

*Research on the Edge of the Expanding Sphere V. 2.0*