The ninth annual Symposium of Student Research, Scholarship, and Creative Activities (formerly the Celebration of Research, Scholarship, and Creative Activities) will showcase the outstanding work of Wright State University students engaged in individual and team-based research, on- and off-campus internships, and scholarly activities in their respective fields of study.

The symposium offers a venue for students to share their research activities with fellow students, faculty, and regional employers through plenary sessions and poster presentations. The luncheon program includes a moderated industry expert panel discussion.

The schedule of events, research abstracts, and information on research topics, presenters, and industry panelists will be available at wright.edu/studentsymposium prior to the event.

**Student Research in Experiential Learning**

Nearly 1,000 student research presentations from academic programs across campus have been shared at this event over the last eight years. More than 70 percent of Wright State students come from Raider Country, the 16-county region surrounding the university, making the symposium an ideal venue for local and regional employers to view the exceptional work of student presenters.

The university strives to provide all students with research and experiential learning opportunities directly linked to their career paths. Students gain real-world experience through these activities that pertains to topics covered in classrooms, laboratories, and seminars. They also develop personal and professional skill sets that enhance their studies and make them highly sought after by employers and graduate programs.
Sample Student Research Projects

Sample student presentations from previous events are listed below. Visit wright.edu/studentsymposium for a complete list of archived abstracts and a schedule of events.

- **Department of Modern Languages, College of Liberal Arts**: Terrorism in Central and South America: The Social, Political, and Economic Effects
- **Department of Kinesiology and Health, College of Education and Human Services**: Musculoskeletal Injury Risk Among Army ROTC Cadets
- **Department of Biological Sciences, College of Science and Mathematics**: Stem Cells Drive Auricle Regeneration and Reestablishment of Planarian Chemotactic Ability
- **Department of Supply Chain Management, Raj Soin College of Business**: PackH2O—Pure Water for the Thirsty
- **Department of Chemistry, College of Science and Mathematics**: An Equilibrium Kinetics Study of Nitrosyl Bromide (BrNO) Formation.
- **Department of Environmental Sciences, College of Science and Mathematics**: Water Column Ammonium Dynamics and Harmful Cyanobacterial Blooms in Lake Erie
- **Department of Mechanical and Materials Engineering, College of Engineering and Computer Science**: Quantification of Ventricular Hemodynamic and Wall Shear Stress Abnormalities in Discrete Subaortic Stenosis
- **Department of Mathematics and Statistics, College of Science and Mathematics**: Adaptive Moving Mesh Finite Difference Method for Early Stage Cancer Cells Invasion of Tissue Model
- **Department of Computer Science, College of Engineering and Computer Science**: kHealth Bariatrics: A Multi-Sensory Approach to Monitoring Patient’s Post-Surgical Behavior
- **College of Nursing**: Easy Breathing for Elementary School Children with Asthma at Dayton Public Schools
- **Department of Pharmacology and Toxicology, Boonshoft School of Medicine**: The Effects of TCDD on Immunoglobulin Heavy Chain Expression in a Human Plasma Cell Line
- **Biomedical Sciences Ph.D. Program, College of Science and Mathematics**: Novel Insights into the Regulation of ERK3’s Kinase Activity and Its Ability to Promote Cancer Cell Invasiveness
- **Department of Medicine, Boonshoft School of Medicine**: Imipramine a Potent Inhibitor of Injury-Induced Microvesicle Particle Release in Keratinocyte Cell Line and Skin Explant Tissue
- **Department of Psychology, College of Science and Mathematics**: What Makes a Superstar?
- **Department of Educational Leadership, College of Education and Human Services**: Athletic Identity and Moral Development: An Examination of NCAA Division I Athletes and Their Moral Foundations
- **Department of Modern Languages, College of Liberal Arts**: Society Against the Woman as Represented in Cinematography
- **Department of Modern Languages, College of Liberal Arts**: Fiction as a Corrective Gesture to Western Historiography
Sponsorship Support

Sponsorship support allows students to participate in the symposium free of charge. Additionally, stipend and experience sponsors fund student experiential learning opportunities throughout the year.

Sponsorship Types

- **Event Sponsor**: Event Sponsors provide financial support to directly offset the cost of the 2018 Symposium. Levels include Presenting ($5,000), Program ($2,500), and Hosting ($1,000).

- **Stipend Sponsor**: Stipend Sponsors fund stipends supporting college or departmental initiatives for students working in unpaid experiences at either the part-time semester level ($2,500), or the full-time summer semester level ($5,000).

- **Experience Sponsor**: Experience Sponsors hire students for paid internships or research positions or provide funds for individual student or team projects in collaboration with the university.
### Sponsor Registration Form

All sponsors will receive recognition in the symposium abstract publication, website, program, and signage.

**Event Sponsor:** Provides funding for the 2018 Symposium
- **Presenting Sponsor—$5,000**
  - The Presenting Sponsor offers remarks at the lunch program
- **Program Sponsor—$2,500**
- **Hosting Sponsor—$1,000**

**Stipend Sponsor:** Provides financial support to students in a designated college or academic program
- **Part-Time Support** (per student/per semester)—$2,500
- **Full-Time Support** (per student/per summer semester)—$5,000

**Experience Sponsor:** Provides paid student internships or research positions, or funding for individual or team projects in a designated college or academic program
- **Experience Sponsor**—Provide contact name/information below:

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**All Sponsors:** Please email high-resolution logo and company description (300 word limit) to mary.jean.henry@wright.edu. Deadline: March 30, 2018.

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**Please remit to:**
Wright State University Foundation
Student Symposium
Attn: Mary Jean Henry
Foundation Building
3640 Colonel Glenn Hwy.
Dayton, OH 45435-0001

**Questions?**
Mary Jean Henry
(937) 775-3615
mary.jean.henry@wright.edu
Symposium of Student Research, Scholarship, and Creative Activities

Friday, April 13
8:30 a.m.–3:15 p.m.
Student Union

Symposium Organizer
Scott E. Baird, Ph.D.
Professor of Biological Sciences
College of Science and Mathematics
scott.baird@wright.edu

Sponsorship Contact
Mary Jean Henry, M.Ed.
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wright.edu/studentsymposium