Individuals with disabilities are encouraged to attend all University of Iowa-sponsored events. If you are a person with a disability who requires a reasonable accommodation in order to participate in this program, please contact Rachelle Blackwell in advance at 319-335-6196.

The University of Iowa prohibits discrimination in employment, educational programs, and activities on the basis of race, creed, color, religion, national origin, age, sex, pregnancy, disability, genetic information, status as a U.S. veteran, service in the U.S. military, sexual orientation, gender identity, associational preferences, or any other classification that deprives the person of consideration as an individual. The university also affirms its commitment to providing equal opportunities and equal access to university facilities. For additional information on nondiscrimination policies, contact the Director, Office of Equal Opportunity and Diversity, the University of Iowa, 202 Jessup Hall, Iowa City, IA 52242-1316, 319-335-0705 (voice), 319-335-0697 (TDD), diversity@uiowa.edu.

WELCOME TO THE 2019 IOWA REGIONAL JUNIOR SCIENCE AND HUMANITIES SYMPOSIUM



CLERICAL STAFF GRADUATE ASSISTANTS Alyssa Choate, B.A. Jung Eui Hong, M.A. Sungeun Kang, M.Ed.S.

Stephanie Lynch, M.S.Ed. Richard Magnuson, B.S. Charlie Netzer, B.A. Akorede Teriba, B.S. Cara Wienkes, B.A. Haley Wikoff, M.S.Ed.

UNDERGRADUATE



Iowa JSHS Directors Dr. Lori Ihrig and Brian Douglas welcome you to the 2019 Iowa Junior Science and Humanities Symposium hosted by the Belin-Blank Center for Gifted Education and Talent Development at the University of Iowa. We are honored to showcase Iowa's students and the research they have completed.

The Junior Science and Humanities Symposia (JSHS) Program promotes and publicly recognizes students for outstanding achievement in original research and experimentation in science, technology, engineering, and mathematics (STEM) at the high school level. By connecting talented students, their teachers, and research professionals, JSHS aims to widen the pool of students prepared to conduct research vital to our nation.

On behalf of The U.S. Army Research Office, the Office of Naval Research, the Air Force Office of Scientific Research, the National Science Teachers Association, The University of Iowa, and the Belin-Blank Center for Gifted Education and Talent Development, congratulations to all the student research presenters and to those representing the State of Iowa at the at the 57th National Junior Science and Humanities Symposium, which will be held in Albuquerque, NM, April 24–27, 2019.









AWARD RECOGNITION

STATE AWARDS:

The top five finalists at the lowa Regional JSHS will be awarded academic scholarships and will be invited to compete on an expensepaid trip to the 57th Annual National Symposium on April 24–27, 2019 in Albuquerque, NM.

The US Army, Navy, and Air Force will award scholarships of \$2,000 for first place, \$1,500 for second place, and \$1,000 for third place at the Iowa Regional Symposium. The University of Iowa will award \$750 scholarships to each of the five Iowa finalists.

NATIONAL AWARDS:

Eight \$12,000 undergraduate tuition scholarships, awarded to each of the 1st place finalists in the research paper competition.

Eight \$8,000 undergraduate tuition scholarships, awarded to each of the 2nd place finalists in the research paper competition.

Eight \$4,000 undergraduate tuition scholarships, awarded to each of the 3rd place finalists in the research paper competition.

SYMPOSIUM SCHEDULE

MONDAY, MARCH 4

8:00-8:30	JSHS program check-in at JSHS registration desk
8:30-9:00	Presentation of Colors and welcome
9:00–10:00	Keynote presentation by Nicole K. Brogden, Pharm.D., Ph.D.
10:00–10:45	Student research presentations session 1
10:00–10:10	Morning tour lineup
10:10–10:15	Tour buses load for departure
10:45–11:00	Break
11:00–12:15	Student research presentations session 2
12:00	Tour buses return
12:15–1:45	Student lunch period on own Networking lunch for teachers and mentors at the Marriott
1:45-3:00	Student research presentation session 3
2:00–2:10	Afternoon tour lineup
2:10–2:15	Tour buses load for departure
3:00–3:15	Break
3:15-4:00	Student research presentation session 4
4:00	Tour buses return
4:00-5:00	Hotel room check-in at JSHS registration desk
5:00-6:00	Hors d'oeuvres reception & forum for new and returning teachers Supported by a National Science Teachers Association/Tri-Services Junior Science and Humanities Symposia incentive grant
5:00–8:30	Student dinner and evening activities on own
8:30–10:30	Trivia night

TUESDAY, MARCH 5

8:00-9:00	Breakfast buffet
9:00–10:00	Welcome Opening remarks Iowa Center for Research by Undergraduates presentation Awards Closing
10:00–11:00	Check-out at Marriott front desk