

7:45–8:15 am: JSHS REGISTRATION CHECK-IN
Sheraton Hotel, Lower Level

8:15–8:45 am: General Session I
Amos Dean Ballroom A-B

Presentation of Colors
Army ROTC
National Anthem

Welcome:
Dr. Susan Assouline, Director, Belin-Blank Center for Gifted Education, Professor of Psychological and Quantitative Foundations, UI College of Education

Announcements, Introduction of Judges:
Dr. Leslie Flynn, Administrator, Belin-Blank Center for Gifted Education, Professor of Science Education, UI College of Education

Adjudication Team:

Dr. Jeff Klahn	Dr. Bruce Hostager
Dr. Jeffrey Long	Dr. Brian Lindsay
Dr. Lori Ihrig	Ms. Chelle Lehman
Dr. Leslie Flynn	

Guest Student Adjudication Team:
Ms. Kaylie Wilson

8:45 –11:55 am:
Student Session I Research Presentations
Amos Dean Ballroom A-B

8:45–9:05 am— Nicole Schilling
 (Beckman Catholic High School, Dyersville, IA),
“Longitudinal Evaluation of Sinkhole Attributes”

9:05–9:25 am— Brian Gu
 (Valley High School, West Des Moines, IA), *“Bullying and Harassment Trends at Valley High School”*

9:25–9:45 am— Mason Burlage
 (Beckman Catholic High School, Dyersville, IA),
“Inhibition of Sclerotinia sclerotiorum via Cover Crop and Coniothyrium minitans”

9:45–10:05 am— Shannon Garrels
 (Van Buren High School, Keosauqua, IA), *“The Effects of Organic Fertilizers on Raphanus sativus”*

10:05–10:15 am: Morning Break

****10:15–10:25 am: Line up for Morning Tours**

10:15–10:35 am— Bonnie McFarland, Gigi Flachman, and Natalie Tryon
 (Highland High School, Riverside, IA), *“The Effects of Using Rye as a Cover Crop to Protect Soybeans from the Fungal Pathogen Fusarium virguliforme”*

10:35–10:55 am— Marcus Schneider
 (Beckman Catholic High School, Dyersville, IA), *“Cover Crop and Tillage Effects on Soil Erosion Properties”*

10:55–11:15 am— Justin Wessel
 (Beckman Catholic High School, Dyersville, IA),
“Correlation Between EPD Projections of Progeny Versus “Hdi50K” Genomic Testing in Black Angus Cattle”

11:15–11:35 am— Kathryn Bozer
 (West High School, Iowa City, IA), *“Amorphous Tellurium Dioxide Preparation and Characterization”*

11:35–11:55 am— Megan Ertl
 (Beckman Catholic High School, Dyersville, IA), *“The Effect of Material Selection on Evaporative Pattern Processes”*

11:55 am–1:00 pm: Lunch Break
See Below for details

1:05–2:45 pm:
Student Session II Research Presentations
Amos Dean Ballroom A-B

****1:00–1:10 pm: Line up for Afternoon Tours**

1:05–1:25 pm— Maddie Zastrow
 (Prairie High School, Cedar Rapids, IA), *“Utilization of the Thermogenic Properties of Symplocarpus foetidus in Renewable Energy Through Thermoelectric Devices”*

1:25–1:45 pm— Nathan Schmidt
 (Waterloo East High School, Waterloo, IA), *“Processes of Electrostatic Pendulums”*

1:45–2:05 pm— Lily Fuger
 (Central Lee High School, Donnellson, IA), *“Evaluation of the Leaching of Bisphenol A (BPA) from Preservative Plastic Coatings in Commonly Used Containers: II”*

2:05–2:25 pm— Kamryn Banks
 (Van Buren High School, Keosauqua, IA), *“The Observation of Acid Precipitation with Planktonic Crustaceans and the Bioremediation of Freshwater Pollutants using Lemna Minor”*

2:25–2:45 pm— Maggie Walker
 (Holy Trinity Catholic High School, Fort Madison, IA),
“Sodium Polyacrylate and Dioxin Used for Nitrogen Runoff Prevention”

2:45–3:00 pm: Afternoon Break

3:05–3:45 pm:
Student Session III Research Presentations
Amos Dean Ballroom A-B

3:05–3:25 pm— Shelby Westhoff
 (Beckman Catholic High School, Dyersville, IA),
“Microbial Inactivation By Ultraviolet Light For Alternative Food Processing”

3:25–3:45 pm— Manasa Pagadala
 (Rivermont Collegiate, Bettendorf, IA), *“Galmydar: A Metalloprobe for Monitoring Chemotherapeutic Resistance in Human Cancer Cells”*

STUDENT LAB TOUR TIMES

10:30 am–11:55 pm:
 – 1A, 2A, 3A, 4A
1:15–2:45 pm:
 – 5B, 6B, 7B, 8B

CHECK-IN & CHECK –OUT TIMES

Monday - 4:00–4:30 pm:
 Check-In at JSJS Registration Desk
Tuesday - 11:30 am–12:00 pm:
 Check-Out at Sheraton Front Desk

MEAL TIMES

11:55am –1:00 pm: Student Lunch *(on your own)*
11:55 am –12:55 pm: Network Luncheon *(Johnson 1-2)*
for Teachers & Research Mentors
5:00 pm: Dinner *(on your own)*

EVENING ACTIVITIES

5:00 pm: Evening Activies *(on your own)*
8:30–10:00 pm: Trivia Contest, Snacks & Socializing
(optional), Amos Dean Ballroom C-D
(Complimentary Guest Passes to the UI Rec Center available for pickup at the JSJS Registration Desk until 4:30 pm)

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8:50–11:30 am: General Session II

Amos Dean Ballroom A-B

Admissions Presentation:

Ms. Laura Goddard, Office of Admissions, The University of Iowa

Brunch Buffet (until 9:45 am)

Keynote Address:

Dr. Aliasger Salem, Professor, Chemical and Biomedical Engineering, The University of Iowa

Awards Presentation:

LTC Zach Buettner, Professor of Military Science, The University of Iowa

Dr. Leslie Flynn, Administrator, Belin-Blank Center

Closing Remarks:

Dr. Leslie Flynn, Administrator, Belin-Blank Center

Presenters & Award Winners

Photo Shoot:

Mrs. Kristin Flanary, Administrator & Photographer, Belin-Blank Center

****Student Laboratory Tours**

A Tours – Morning Tour
10:30 am–12:00 pm

B Tours – Afternoon Tour options
1:15–2:45 pm

Students are escorted to the labs by ROTC. Due to increased demand, not all Iowa Regional JSHS participants are able to participate in lab tours

1A: UI College of Nursing
“Health History in Your Genes”

2A: Department of Chemistry
“Micro and Nanofabrication Technologies”

3A: Museum of Natural History
“Natural History Museum Tour”

4A: Department of Pharmacy
“Compound your own Lip Balm”

5B: Department of Physics & Astronomy
“The Molecular Beam Epitaxy Facility, and Ultrafast Optics Lab”

6B: UI Healthcare
“Welcome to the Human Anatomy”

7B: Department of Computer Science/Psychology
“Hank Virtual Environment Lab”

8B: Department of Biology
“The C. elegans model system using Genetics and Cell Biology Methods”

On behalf of The U.S. Army Research Office, the Office of Naval Research, the Air Force Office of Scientific Research, the Academy of Applied Science, The University of Iowa, and the Belin-Blank Center for Gifted Education
CONGRATULATIONS TO ALL THE STUDENT RESEARCH PRESENTERS and to those representing the State of Iowa at the 55th National Junior Science and Humanities Symposium, which will be held in San Diego, CA, April 26-30, 2017.



*Welcome to the
Iowa Regional*

2017

*Junior Science
&
Humanities Symposium*

March 6 & 7
Sheraton Hotel
Iowa City, IA

Coordinated by The Connie Belin & Jacqueline N. Blank International Center for Gifted Education and Talent Development at The University of Iowa, in cooperation with the U.S. Army Research Office, Office of Naval Research, Air Force Office of Scientific Research, and the Academy of Applied Science, Inc.

