

57th Annual Southeastern Michigan Regional Junior Science and Humanities Symposium

Friday, February 26, 2021

VIRTUAL

Please make sure your name is
displayed on your screen

THE 57th Annual Junior Science & Humanities Symposium



WAYNE STATE
College of Education



IT STARTS HERE

February 26, 2021, **Virtually** with Wayne State University



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WELCOME

8:30 a.m. - 9:00 a.m. CHECK-IN, CONFIRMATION & ZOOM LOG-IN

9:00 a.m. - 10:00 a.m. OPENING SESSION
Zoom Live General Session

PRESIDING - LAND ACKNOWLEDGEMENT & ORIENTAION:

Dr. Sandra Yarema

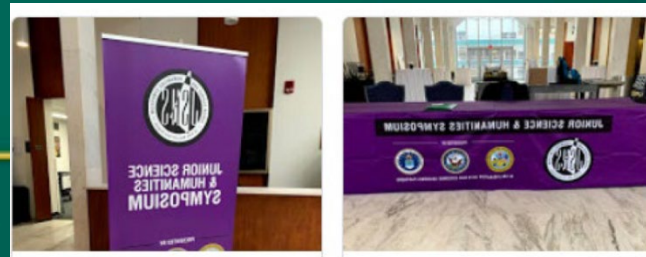
Director – JSHS

Director Undergraduate Studies &
Teacher Certification Programs

College of Education, Wayne State University



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Land Acknowledgment

In recognizing that Wayne State University, has hosted the JSHS for 57 years, we would like to acknowledge that the campus rests on **Waawiyaataanong**, also referred to as Detroit.

These lands are the ancestral and contemporary homeland of the Three Fires Confederacy, granted by the Ojibwe, Odawa, Potawatomi, and Wyandot nations, in 1807, through the Treaty of Detroit.

We affirm Indigenous sovereignty and honor all tribes with a connection to Detroit. With our Native neighbors, We can advance educational equity and promote a better future for the earth and all people



WAYNE STATE UNIVERSITY

ZOOM “Netiquette”



- Please be courteous to other participants.
 - Use *mute* unless you are presenting
 - You may keep your camera OFF until it is your turn to present
 - Please stay in the breakout room until the presenter has finished
 - Use *PRIVATE CHAT* feature when possible
 - Utilize *SPEAKER VIEW* during keynote address & general sessions
 - Make sure your name is displayed in your “square”

- Oral and Poster presentations are organized by category; you will be assigned to a break-out room to be evaluated by judges qualified in that subject area. These are listed in the program .
 - Any supporting guests who wish to attend just to see your presentation should log in by 9:45, to be assigned to the appropriate break-out room.



WELCOME

9:00 am



WELCOME/OVERVIEW OF WAYNE STATE UNIVERSITY:

Dr. Tonya Matthews

Associate Provost for Work Force Development,
Vice-President of Academic Affairs, Wayne State University



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Social Media Sharing



Share on Social Media throughout the day:

#JSHSRegionals

#JSHSNationals

#JSHS

@NtIJSHS

@NationalJSHS



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VIRTUAL Campus/Lab Tour

Link to Recording- will appear in chat multiple times during the day

**Including our newly renovated
STEM Innovation Center**



Link to YouTube Virtual Tour:

<https://youtu.be/Rx-TK-ADjoo>

For more information: <https://stem-innovation.wayne.edu/>

AND: <https://wayne.edu/tour>

*** Judges- Please email me score sheet &
rubrics when you have them**

Presenters- come back at 12 noon

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ORAL PRESENTATIONS

10:00 am – 12:00 pm

Presentation of Papers

(Assigned to one of 5 Break-Out Rooms)

- I. Environmental, Life Sciences & Chemistry**
- II. Biomedical Science**
- III. Medicine/Health & Behavioral Science**
- IV. Engineering, Technology & Physical Science**
- V. Mathematics & Computer Science**



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ORAL PRESENTATIONS Group I

Environmental, Life Sciences & Chemistry

MODERATOR: Justin Selden

STUDENT PRESENTERS:

- Veda Mantena
- Jasmine Wu



JUDGES:

Tracy D'Augustino
Vijay George
Dr. Paul Munya,
Catherine Riseng
Brandon Schroeder



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ORAL PRESENTATIONS Group II

Biomedical Science

MODERATOR: Dr. Jennell White

STUDENT PRESENTERS:

- Noah Black
- Tanmai Nimmagadda
- Shriya Reddy
- Aryan Singh



JUDGES:

Mayuri Aivale

Lt. Colonel (ret.) David Centeno Jr.,

Pedro Marrero



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ORAL PRESENTATIONS Group III

Medicine, Health & Behavioral Science

MODERATOR: Dr. Russell Finley

STUDENT PRESENTERS:

- Christopher Adam
- Keerthana Danasekaran
- Brinkley Drews
- Yousef Emara
- Vivian Yee



JUDGES:

Kimberly Derryberry
Adrienne Jordan
Mirza Ishrat Noor



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ORAL PRESENTATIONS Group IV

Engineering, Technology & Physical Science

MODERATOR: Mr. Greg Chappelle

STUDENT PRESENTERS:

- Jiawei Chen **
- Willie (Chen) Chiu **
- Mikul Saravanan



JUDGES:

**Dr. Jack Chiu,
Mr. Andrew Kosinski
Mr. Mohsen Dianat**



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ORAL PRESENTATIONS Group V

Mathematics & Computer Science

MODERATOR: Ms. Jasmine Roberson

STUDENT PRESENTERS:

- Michelle Hua
- Lucas Longden
- Avaneesh Prasad
- Abhinav Reddy
- Mike Xiangyu Cai **
- Sonnet Xu



JUDGES:

Mr. David Brown

Mr. David Daniszewski

Mr. Jon P. Noble, Engineering

Dr. Denise Rizzo



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VIRTUAL LUNCHEON

11:45 a.m. – 1:00 p.m.

Zoom Live

SPEAKER: JSHS ALMNI FINALIST

Astha Dalal – Where is She Now?



Astha Dalal, finalist at the 2017, 2018, & 2019 Regional JSHS, and 3rd Place Award at 2019 National JSHS will talk about her research experiences during high school and how her participation in the JSHS has impacted her college experience and future research interests.



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Virtual Luncheon

11:45 p.m. – 1:00 p.m. Zoom Live

PRESIDING:

**Dr. Sandra Yarema
College of Education**



ANNOUNCEMENT OF FINAL STUDENT PAPERS

- The regional finalists will advance to National JSHS, held virtually April 15 – 17, 2021
 - **Place Ranking will be determined in the Final Judging Session at 3:00 pm**



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1:00 - 2:00 p.m. Poster Session Zoom Break-out Room

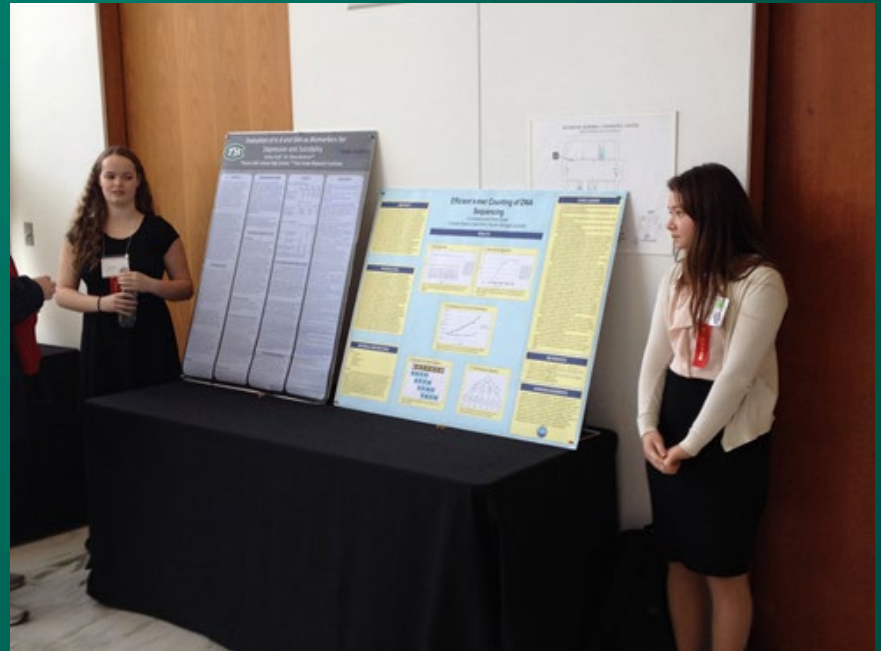
MODERATOR: Brandon Schroeder,

STUDENT PRESENTERS:

- *Aanchal Jain*
- *Margaret Yang*

JUDGES:

- *Brad Brumm*
- *Tracy D'Augustino*
- *Dr. Thomas Meitzler*
- *Catherine Riseng,*
- *Justin Selden*



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KEYNOTE ADDRESS

2:00 p.m. - 3:00 p.m. (Zoom Live)

KEYNOTE SPEAKER:

Dr. Philip E. Pellett, Ph.D.,

Professor and Chair,

Department of Biochemistry, Microbiology & Immunology

Wayne State University School of Medicine



TOPIC:

Dr. Pellett will discuss “Finding My Path,” to recognize teachers who were instrumental in his development, and describe the path he has followed while living as a scientist and exploring the international world of virology.



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FINAL JUDGING (Zoom Live)

3:00 p.m. – 5:00 p.m.

Determine National JSHS Finalist Ranking

(Judges Deliberation in Breakout Room after presentations)

***Moderator:* Dr. Karur Padmanabhan**

Presenters:

Jasmine Wu

Aryan Singh

Vivian Yee

Mikul Saravanan

Michelle Hua



Judges:

Mr. Gregory Chappelle

Dr. James Holly, Jr.

Dr. Thomas Meitzler

Brandon Schroeder



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AEOP EVALUATION REQUEST

Our Federal Sponsor, AEOP, has requested that all participants complete the evaluation survey, to provide evidence to enable them to continue our funding.

(These Links will be in the CHAT box, and are in the program)

Student Participant Survey Link:

<https://www.cvent.com/d/mjqm05>

Adult Volunteer/Guest Survey Link:

<https://www.cvent.com/d/njqm0t>



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AWARDS PRESENTATIONS (Zoom Live)

After 5:00 p.m. (As soon as judges submit final scores)
**Presentation of Student Speaker Finalist Awards &
Regional Poster Prizes**

Dr. Sandra Yarema



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