

## Summer 2025 Undergraduate Research Symposium: JMHC

This list is inclusive of all presentations where at least one student or at least one mentor is linked to the specified division. Students' and Mentors' names are based on information submitted in conference applications, except for the following:

- Purdue students' divisions are based on institutional academic data. (Visiting students do not have a division.)
- Purdue mentors' divisions are based on their primary appointment at Purdue.
- Name spellings appear as submitted in OURConnect. Names may be edited (for future reporting) via "my profile" in OURConnect.

Student Role Notation: †Presenting Author, ‡ Contributing Author, \*Acknowledgment

Presentation	Students	Mentors
Poster #1027 presented 7/30 @ 10:30-11:30am	Sogo Bakare† (Engineering) Virginia Lucille Hawkins* (Engineering) Steven Li* (Engineering JMHC) William McMahon* (Engineering)	Yash Ajay Garje (Engineering) Morgan M Hynes (Engineering) Bruce Wellman (Engineering) Labiba Rahman (Engineering)
Poster #1034 presented 7/30 @ 10:30-11:30am	Carmen Raquel Erickson† (Science JMHC)	Wenlan Miao (Science) Adam Wasserman (Science)
Poster #1040 presented 7/30 @ 10:30-11:30am	Virginia Lucille Hawkins† (Engineering) Sogo Bakare* (Engineering) William McMahon* (Engineering) Steven Li* (Engineering JMHC)	Yash Ajay Garje (Engineering) Bruce Wellman (Engineering) Labiba Rahman (Engineering) Morgan M Hynes (Engineering)
Poster #1045 presented 7/30 @ 10:30-11:30am	Parth Suraj Kulkarni† (Science JMHC) Mukul Agarwal* (Science) Kian Darius Kasad* (Science) Anish Mangla* (Science) Aaryan Deepak Wadhwani* (Science) Lillith Erickson* (Science)	Gustavo Rodriguez-Rivera (Science)
Poster #1047 presented 7/30 @ 10:30-11:30am	Henry J Lee† (Science JMHC Graduate)	Madeleine Shuhn Tsua Yuh (Engineering) Neera Jain (Engineering)
Poster #1048 presented 7/30 @ 10:30-11:30am	Oliver Yichi Li† (Engineering JMHC)	Caitlin Rose Proctor (Engineering) Jorge Martinez Del'Angel (Agriculture)
Poster #1052 presented 7/30 @ 10:30-11:30am	William McMahon† (Engineering) Virginia Lucille Hawkins* (Engineering) Steven Li* (Engineering JMHC) Sogo Bakare* (Engineering)	Yash Ajay Garje (Engineering) Morgan M Hynes (Engineering) Labiba Rahman (Engineering) Bruce Wellman (Engineering)
Poster #1057 presented 7/30 @ 10:30-11:30am	Soham Pawaskar† (Engineering Liberal Arts) Matthew S Leight‡ (Engineering JMHC)	Joseph S Jewell (Engineering)
Poster #1058 presented 7/30 @ 10:30-11:30am	Kiersten Mackenzie Penquite† (Engineering JMHC)	Junkai Xie (Engineering)
Poster #1072 presented 7/30 @ 10:30-11:30am	Darshini Shankar† (Science JMHC) Jaewoo Lee‡ (Science)	Daniel Suter (Science) Jorge Emanuel Hernandez Dominguez (Interdisciplinary & Special Programs)
Poster #1073 presented 7/30 @ 10:30-11:30am	Samhita Mysore Shantharam† (Agriculture Engineering JMHC)	Alicia Nicole Scott (Pharmacy) Jean-christophe Rochet (Pharmacy)
Poster #1074 presented 7/30 @ 10:30-11:30am	Sydney Cecelia Sobczak† (Engineering JMHC)	Kevin J Webb (Engineering) Abdelrahman Salem (Engineering)
Poster #1079 presented 7/30 @ 10:30-11:30am	Jack Thomas Willard† (Engineering JMHC)	Alex David Santiago Vargas (Engineering) Ahmed Abdelraheem (Engineering) Dimitrios Peroulis (Purdue University)
Poster #1084 presented 7/30 @ 10:30-11:30am	Sky Okpaku† Isabel C Standley* (Engineering JMHC)	Ted Taewook Kim (Engineering)

Presentation	Students	Mentors
Poster #1086 presented 7/30 @ 10:30-11:30am	Isabel C Standley <sup>†</sup> (Engineering JMHC) Sky Okpaku*	Ted Taewook Kim (Engineering)
Poster #1093 presented 7/30 @ 10:30-11:30am	Ethan Xinghan Tan <sup>†</sup> (Engineering JMHC)	Shubhra Bansal (Engineering) Faharia Hasan Bhuiyan (Engineering)
Poster #1097 presented 7/30 @ 10:30-11:30am	Yashvi Choudhary <sup>†</sup> (Science) Sadie A Poirier <sup>‡</sup> (Science JMHC)	Vanshika Gupta (Science) Jeffrey Edward Dick (Science)
Poster #1099 presented 7/30 @ 10:30-11:30am	Nina Rose Hall <sup>†</sup> (Science JMHC)	Ximena Bernal (Science) Richa Singh (Science)
Poster #1103 presented 7/30 @ 10:30-11:30am	Elysia Marlana Uggen <sup>†</sup> (Agriculture JMHC) Joshua Paul Kaluf* (Agriculture)	Joseph P Ogas (Agriculture) Jiaxin Long (Agriculture) Jacob Ryan Fawley (Agriculture)
Poster #1210 presented 7/30 @ 12:00-1:00pm	Louis Michael Delaby <sup>†</sup> (Agriculture JMHC)	Hana Hall (Agriculture) Kendall Cottingham (Agriculture)
Poster #1211 presented 7/30 @ 12:00-1:00pm	Anna Alden Fisher <sup>†</sup> (Liberal Arts JMHC)	Natalia Dudareva (Agriculture) Manuel Bellucci (Agriculture)
Poster #1212 presented 7/30 @ 12:00-1:00pm	Carolyn Jia <sup>†</sup> (Agriculture JMHC)	Scott D Briggs (Agriculture) Justin Bradley Gregor (Agriculture)
Poster #1216 presented 7/30 @ 12:00-1:00pm	Laurie Lei McIntyre <sup>†</sup> (Agriculture JMHC) Elysia Marlana Uggen <sup>‡</sup> (Agriculture JMHC) Joshua T Stephenson* (Agriculture)	Joseph P Ogas (Agriculture) Jiaxin Long (Agriculture)
Poster #1218 presented 7/30 @ 12:00-1:00pm	Niah L Patel <sup>†</sup> (Agriculture JMHC)	Hansel Andres Mina Cordoba (Agriculture) Vinoothna Ramisetty (Agriculture) Amanda J Deering (Agriculture)
Poster #1220 presented 7/30 @ 12:00-1:00pm	Clara Michelle Shoopman <sup>†</sup> (Agriculture JMHC)	Maria I Marshall (Agriculture)
Poster #1223 presented 7/30 @ 12:00-1:00pm	Blaine Andrew Wagner <sup>†</sup> (Agriculture JMHC)	Joseph P Ogas (Agriculture)
Poster #1229 presented 7/30 @ 12:00-1:00pm	Grant Andrew Belush <sup>†</sup> (Engineering JMHC)	Rachel Kathleen Surowiec (Engineering) Wikum Roshan Ban Ranasinghe Mudiyansele (Engineering)
Poster #1233 presented 7/30 @ 12:00-1:00pm	Ethan Patrick Connolly <sup>†</sup> (Engineering JMHC) Heather Murillo*	Guanchun Wang (Engineering) Amisha Shah (Engineering)
Poster #1244 presented 7/30 @ 12:00-1:00pm	Siddhant Jain <sup>†</sup> Mason Patrick Julius Levere <sup>†</sup> (Science) Myron Milad Tadros <sup>†</sup> (Engineering) James Thomas Pittard* (Science) Sydney Metz* (Science JMHC)	Andy Jung (Science) Mark Ward (Science) Ace Rounds (Science)
Poster #1248 presented 7/30 @ 12:00-1:00pm	David Kichul Kim <sup>†</sup> (Engineering) Hannah Yeonsoo Park <sup>‡</sup> (Engineering JMHC)	euiwon Bae (Engineering)
Poster #1249 presented 7/30 @ 12:00-1:00pm	Mason Patrick Julius Levere <sup>†</sup> (Science) Myron Milad Tadros <sup>†</sup> (Engineering) Siddhant Jain <sup>†</sup> James Thomas Pittard* (Science) Sydney Metz* (Science JMHC)	Andy Jung (Science) Mark Ward (Science) Ace Rounds (Science)
Poster #1250 presented 7/30 @ 12:00-1:00pm	Steven Li <sup>†</sup> (Engineering JMHC) William McMahon* (Engineering) Virginia Lucille Hawkins* (Engineering) Sogo Bakare* (Engineering) Andrew Robert Ryan* (Engineering JMHC)	Yash Ajay Garje (Engineering) Bruce Wellman (Engineering) Labiba Rahman (Engineering) Morgan M Hynes (Engineering)
Poster #1259 presented 7/30 @ 12:00-1:00pm	Heather Murillo <sup>†</sup> Ethan Patrick Connolly* (Engineering JMHC)	Amisha Shah (Engineering) Guanchun Wang (Engineering)
Poster #1266 presented 7/30 @ 12:00-1:00pm	David Rubin <sup>†</sup> (Engineering JMHC)	Kenneth Barton Reindersma (Engineering) Nicholas Vytautas Babusis (Engineering)

Presentation	Students	Mentors
Poster #1267 presented 7/30 @ 12:00-1:00pm	Hiya Samanta <sup>†</sup> (Science JMHC) Henry J Lee* (Science JMHC Graduate) Siya Chirag Jariwala* (Science JMHC)	Anastasia Kouvaras Ostrowski (Polytechnic) Caue Sciascia Borlina (Science) Ali Bramson (Science)
Poster #1269 presented 7/30 @ 12:00-1:00pm	Hayden Schneider <sup>†</sup> (Science JMHC)	David Thompson (Science) Marissa Elaine Henager (Science)
Poster #1294 presented 7/30 @ 12:00-1:00pm	Nachiket Magesh <sup>†</sup> (Engineering JMHC)	Veera Gnaneswar Gude (Purdue Northwest)
Poster #1297 presented 7/30 @ 12:00-1:00pm	William Lee Patton <sup>†</sup> (Agriculture JMHC)	Michael V Mickelbart (Agriculture)
Poster #1299 presented 7/30 @ 12:00-1:00pm	Yash Ajay Shah <sup>†</sup> (Engineering JMHC)	Daniel Robert Guildenbecher (Engineering)
Poster #1302 presented 7/30 @ 12:00-1:00pm	Declan Harrison Vasil <sup>†</sup> (Science) Alexander Higgins* (Science JMHC)	Garth J Simpson (Science)
Poster #1306 presented 7/30 @ 12:00-1:00pm	Gaurangi Yadav <sup>†</sup> (Science JMHC)	Daniel Suter (Science) Laura Pulido Cifuentes (Science)
Poster #1401 presented 7/30 @ 1:30-2:30pm	Scott Michael Burke <sup>†</sup> (Engineering) Faith Elizabeth McPhee* (Science) Sierra Hunnicutt* (Science JMHC) Keith Kiragon Moreno* (Agriculture JMHC)	Kristen Marie Bellisario (JMHC)
Poster #1403 presented 7/30 @ 1:30-2:30pm	Amber Grace Hitchins <sup>†</sup> (Science JMHC)	Tyler D Hoskins (Agriculture) Maria Soledad Sepulveda (Agriculture) Andrew Charles Todd (Interdisciplinary & Special Programs)
Poster #1405 presented 7/30 @ 1:30-2:30pm	Faith Elizabeth McPhee <sup>†</sup> (Science) Scott Michael Burke* (Engineering) Keith Kiragon Moreno* (Agriculture JMHC) Yitian Zhu* (Science)	Kristen Marie Bellisario (JMHC)
Poster #1410 presented 7/30 @ 1:30-2:30pm	Emmeline Rose Seest <sup>†</sup> (Agriculture JMHC)	Morgan Emily Furze (Agriculture) Mary-Margaret Brigitte Benware (Agriculture)
Poster #1415 presented 7/30 @ 1:30-2:30pm	Tei Okamoto <sup>†</sup> (Engineering) Alexandre Chan Tome <sup>†</sup> (Engineering) Sophia Ho <sup>†</sup> (Engineering) Henry N Kuehl <sup>†</sup> (Engineering) Drew Thomas Novak <sup>†</sup> (Engineering JMHC) Brendan V Espinola <sup>†</sup> (Engineering)	David B Janes (Engineering) Rahim Rahimi (Engineering)
Poster #1421 presented 7/30 @ 1:30-2:30pm	Amelia G Campbell <sup>†</sup> (HHS JMHC)	Alicia Nicole Scott (Pharmacy) Jean-christophe Rochet (Pharmacy)
Poster #1423 presented 7/30 @ 1:30-2:30pm	Wanming Dai <sup>†</sup> (Engineering) Kiersten Mackenzie Penquite* (Engineering JMHC)	Junkai Xie (Engineering)
Poster #1425 presented 7/30 @ 1:30-2:30pm	Deniz Eksioglu <sup>†</sup> (Engineering JMHC)	Saeed Boroomand (Engineering) Kevin John Otto (Engineering)
Poster #1436 presented 7/30 @ 1:30-2:30pm	Lucas O Johnson <sup>†</sup> (Science JMHC)	Paisley Lilliana Jeannette (Science) Elizabeth I Parkinson (Science)
Poster #1444 presented 7/30 @ 1:30-2:30pm	Hannah Jordan Margulis <sup>†</sup> (Engineering JMHC)	Megan Hope Lipton (Science) Maria Cristina Makin (Engineering)
Poster #1452 presented 7/30 @ 1:30-2:30pm	Son Quoc Son Phan <sup>†</sup> (Engineering) Timothy P Malloy <sup>‡</sup> (Engineering JMHC)	Sean Yenyu Lai (Engineering) Ganesh Subbarayan (Engineering)
Poster #1461 presented 7/30 @ 1:30-2:30pm	Wilhelm S Smith <sup>†</sup> Anna Julie Astrid Webb <sup>‡</sup> (Science) Aasish Chowdary Karuturi <sup>‡</sup> (Science JMHC) Bea Olivia Cabot <sup>‡</sup> (Science)	Benjamin Zeidler (Engineering) Cortland Hannah Johns (Engineering) Craig Goergen (Engineering) Emily R Jakob (HHS)
Poster #1463 presented 7/30 @ 1:30-2:30pm	Morgan Stephens <sup>†</sup> (Science JMHC)	Chang Ding (Science)

Presentation	Students	Mentors
Poster #1464 presented 7/30 @ 1:30-2:30pm	Ethan Scott Streckfuss† (Agriculture Engineering JMHC)	Kendahl R Hejl (Engineering) Cary D Troy (Engineering)
Poster #1469 presented 7/30 @ 1:30-2:30pm	Ziang Wang† (Science) Shrinand Perumal‡ (Science) Luke Jaehyeon Choi‡ (Science JMHC) Michael X Zhang‡ (Engineering) Benjamin Joseph Taylor* (Engineering JMHC) Jackson Patrick Shields* (Science) Ekaterina Tsziao* (Science) Atharv Kharbanda* (Science) Bisti Sunil Potdar* (Science) Sivamurugan Velmurugan* (Engineering Science) Michael Alexander Ikriannikov* (Science) Joseph Issac Getachew* (Science) Mukund Sanjay Rao*	Yung-Hsiang Lu (Engineering) Yeon Ji Yun (Liberal Arts) Zihao Ye (Engineering)
Poster #1479 presented 7/30 @ 1:30-2:30pm	McKinley Kathryn Underhill† (Agriculture JMHC)	Andrea Pires dos Santos (Vet Med)
Poster #1483 presented 7/30 @ 1:30-2:30pm	Neely JoAnne Brown† (Agriculture) Anna Rachelle Hardesty† (Agriculture) Emily Rose Mawhorter† (Agriculture JMHC) Gabriella Anna Tysse Levine‡ (Agriculture) Olivia Katherine Sullivan‡ (Agriculture)	Sara Elizabeth Cloft (Agriculture) Darrin M Karcher (Agriculture)
Poster #1484 presented 7/30 @ 1:30-2:30pm	Olivia Rae Burton† (Science JMHC)	Elizabeth I Parkinson (Science) Namuunzul Otgontseren (Science)
Poster #1488 presented 7/30 @ 1:30-2:30pm	Taylor Marie Hollist† Armando Del Tejo Armendariz† Saw Shin Htwe‡ Bethy Natalia Avella‡ Ngoc Phan Khanh Nguyen‡ Jacob Peng‡	Temitope Folasade Adeoye Olenloa (JMHC) Hannah Renee Krouse (Purdue University)
Poster #1491 presented 7/30 @ 1:30-2:30pm	Hannah Krouse† (Ivy Tech Community College)	Temitope Folasade Adeoye Olenloa (JMHC)
Poster #1503 presented 7/30 @ 1:30-2:30pm	Gabriella Anna Tysse Levine† (Agriculture) Olivia Katherine Sullivan† (Agriculture) Anna Rachelle Hardesty‡ (Agriculture) Neely JoAnne Brown‡ (Agriculture) Emily Rose Mawhorter‡ (Agriculture JMHC)	Sara Elizabeth Cloft (Agriculture) Darrin M Karcher (Agriculture)
Poster #1506 presented 7/30 @ 1:30-2:30pm	Mia M Yates† (Pharmacy JMHC)	Monica Miller (Pharmacy)
Talk #7006 presented 7/30 @ 9:00am	Pratyush Chettri† (Engineering Science JMHC) Aditi Akella* (Engineering)	Krutarth Kiran Kamath (Engineering) Brian Cecil Wyatt (Engineering) Anupma Thakur (Engineering) Nithin Chandran Balachandran Sajitha (Engineering) Babak Anasori (Engineering)
Talk #7011 presented 7/30 @ 9:40am	Christina Zhang† (Science JMHC)	Yingjie Chen (Polytechnic) Songlin Fei (Agriculture)
Talk #7014 presented 7/30 @ 10:40am	Noah Strawhacker† (Engineering JMHC)	Kali Nicole Konstantinopoulos (Engineering) Trevor Jaan Shoaf (Engineering) Elsje Pienaar (Engineering)
Talk #7015 presented 7/30 @ 10:00am	Brianna Petrucci† (Science JMHC)	Caue Sciascia Borlina (Science)
Talk #7020 presented 7/30 @ 10:40am	Maggie McLeod† (Engineering JMHC)	Kendahl R Hejl (Engineering) Cary D Troy (Engineering)

Presentation	Students	Mentors
Talk #7024 presented 7/30 @ 10:00am	Bea Olivia Cabot† (Science) Anna Julie Astrid Webb‡ (Science) Wilhelm S Smith‡ Aasish Chowdary Karuturi‡ (Science JMHC)	Cortland Hannah Johns (Engineering) Benjamin Zeidler (Engineering) Craig Goergen (Engineering)
Talk #7032 presented 7/30 @ 11:40am	Matthew S Leight† (Engineering JMHC) Soham Pawaskar‡ (Engineering Liberal Arts) Eleanor Captola Hostetler* (Engineering)	Joseph S Jewell (Engineering) Siddharth Bhatnagar (Engineering)
Talk #7033 presented 7/30 @ 11:00am	Myron Milad Tadros† (Engineering) Mason Patrick Julius Levere† (Science) Siddhant Jain† James Thomas Pittard* (Science) Sydney Metz* (Science JMHC)	Andreas Jung (Science) Mark Ward (Science) Ace Rounds (Science)
Talk #7039 presented 7/30 @ 11:00am	Aasish Chowdary Karuturi† (Science JMHC) Wilhelm S Smith‡ Bea Olivia Cabot‡ (Science) Anna Julie Astrid Webb‡ (Science)	Benjamin Zeidler (Engineering) Cortland Hannah Johns (Engineering) Craig Goergen (Engineering)
Talk #7041 presented 7/30 @ 11:40am	Gretchen K Minich† (Science JMHC)	Ben K D Pearce (Science)
Talk #7060 presented 7/30 @ 1:00pm	Andrew M Strawhacker† (Engineering JMHC)	Andrew D Mesecar (Centers & Institutes) Bridget Louise Kaiser (Agriculture)
Talk #7069 presented 7/30 @ 1:00pm	Isaac Parks† (Engineering) Clark Lay* (Engineering JMHC)	Xavier I Morgan-Lange (Engineering) David Warsinger (Engineering)
Talk #7075 presented 7/30 @ 2:00pm	Chantelle April Miller† (Engineering JMHC)	Isabelle Kathryn Schaekel (Science) Jonathan J Wilker (Science)
Talk #7083 presented 7/30 @ 2:40pm	Anna Julie Astrid Webb† (Science) Bea Olivia Cabot‡ (Science) Aasish Chowdary Karuturi‡ (Science JMHC) Wilhelm S Smith‡	Cortland Hannah Johns (Engineering) Benjamin Zeidler (Engineering) Craig Goergen (Engineering)
Talk #7087 presented 7/30 @ 3:20pm	Sakesh Andhavarapu† (Science JMHC)	Ilya Slizovskiy (Vet Med) Alejandro Dale Kimball (Centers & Institutes)
Talk #7089 presented 7/30 @ 3:00pm	Timothy P Malloy† (Engineering JMHC) Son Quoc Son Phan‡ (Engineering)	Sean Yenyu Lai (Engineering) Ganesh Subbarayan (Engineering)
Talk #7095 presented 7/30 @ 3:20pm	Oliver Thomas Johnson† (Science JMHC)	Ranjie Xu (Vet Med)
Virtual #9001 presented 7/28-8/01 virtually	David Burns† Christina Joslin‡ (Science JMHC Graduate)	Ashish Ashish (Information Technology)
Virtual #9002 presented 7/28-8/01 virtually	Christina Joslin† (Science JMHC Graduate) David Burns‡	Ashish Ashish (Information Technology)
Virtual #9024 presented 7/28-8/01 virtually	Joseph Issac Getachew† (Science) Ziang Wang* (Science) Michael X Zhang* (Engineering) Benjamin Joseph Taylor* (Engineering JMHC) Michael Alexander Ikriannikov* (Science)	Yung-Hsiang Lu (Engineering)
Virtual #9032 presented 7/28-8/01 virtually	Peter Joseph Bradshaw† (Engineering JMHC) Ella Renee Moss‡ (Engineering) Emma Loretta Hansen‡ (Engineering JMHC) Arnav Basu‡ (Engineering) Adiba Alamgir Mrittika‡ (Engineering)	Eckhard A Groll (Engineering) Helber Antonio Esquivel Puentes (Engineering) Devahdhanush Vijayaraju Swathibanu (Engineering)
Virtual #9039 presented 7/28-8/01 virtually	Maria Margineantu† (Science JMHC)	Bryon Shane Drown (Science) Isabella Grace Feltenstein (Science)

Presentation	Students	Mentors
Virtual #9041 presented 7/28-8/01 virtually	Stephania Petit Homme† Olamide Gbemisola† Joelee Dora Gbasakolliet† A'Mya Antionette Murray Coleman‡ Shaylen Deven Patel‡ Yasmin Vargas‡	Omolola A Olatunde (Pharmacy) Kourtney Ayanna Dor Byrd (Pharmacy) Ananya Munjaal (Pharmacy) Temitope Folasade Adeoye Olenloa (JMHC)