

Summer 2026 Undergraduate Research Symposium: STEM

This list is inclusive of all presentations where the category was identified in the conference application. Students' and mentors' names are based on information submitted in conference applications, except for the following:

- Divisions of presenters, contributors, and acknowledgments (e.g., the students) are based on:
 - Academic program only if a Purdue student, or
 - Employment data if a visiting student is employed by Purdue. In some cases, visiting students' primary institution may appear instead of a division.
- Purdue mentors' divisions are based on their:
 - Academic program and employment data if a graduate student, or
 - Employment data only if not a graduate student.
- Names 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 and Other Acknowledgments
Poster #1000 presented 7/30 @ 10:30-11:30am	Ruby L Aubin† (Engineering) Chandler Justice† (Utah State University)	Brandon Chase Myke Allen (Engineering)
Poster #1001 presented 7/30 @ 10:30-11:30am	Eric Huang† (Engineering)	Vijay Gupta (Engineering) Farbod Siahkali (Engineering)
Poster #1002 presented 7/30 @ 10:30-11:30am	Adrian Rincon† (Engineering)	Vijay Gupta (Engineering)
Poster #1003 presented 7/30 @ 10:30-11:30am	Mudit Pandey† (Engineering) Ishan Gopu Nair* (Engineering) Md Sadat Aarik* (Engineering)	Md Ashiqur Rahman (Engineering) David Warsinger (Engineering)
Poster #1004 presented 7/30 @ 10:30-11:30am	Dylan Friedman† (Polytechnic)	Jinwu Xiao (Polytechnic) Kyubung Kang (Polytechnic)
Poster #1005 presented 7/30 @ 10:30-11:30am	Julia Gloss† (Rochester Institute of Technology)	Shanyue Guan (Polytechnic) Shufan Liu (Engineering Polytechnic)
Poster #1006 presented 7/30 @ 10:30-11:30am	DANIEL SEARS GREGORY† (Polytechnic) Hope Rockmore-Johnson† (Engineering)	Soowon Chang (Polytechnic) Deniz Besiktepe (Polytechnic) Heung Jin Oh (Polytechnic)
Poster #1007 presented 7/30 @ 10:30-11:30am	MIZUKI KUNO† (Polytechnic) AMBER JOSFIN RAMOS PINEDA† (Polytechnic)	Qingchun Li (Polytechnic) Deniz Besiktepe (Polytechnic) Soowon Chang (Polytechnic) Tianle Duan (Polytechnic)
Poster #1008 presented 7/30 @ 10:30-11:30am	SOPHIA SHELDON† (Polytechnic)	Chengcheng Tao (Polytechnic) Xiaoli Xiong (Polytechnic)
Poster #1009 presented 7/30 @ 10:30-11:30am	Nathan Daniel Weston† (Engineering)	sogand Hasanzadeh (Engineering)
Poster #1010 presented 7/30 @ 10:30-11:30am	Madison Birgy† (PWL)	Sen Lin (Agriculture) Jianxin Ma (Agriculture)
Poster #1011 presented 7/30 @ 10:30-11:30am	Michael Blados† (PWL)	Michael V Mickelbart (Agriculture) Nathan A Deppe (Agriculture) Alexandra May Jewell (Agriculture) Shahla Mohammadi (Agriculture)
Poster #1012 presented 7/30 @ 10:30-11:30am	Allison Del Sarto† (PWL)	Cankui Zhang (Agriculture) Yuanyuan Zhang (Agriculture) Juliana Miranda Rodriguez (Agriculture)
Poster #1013 presented 7/30 @ 10:30-11:30am	Hannah Flist† (PWL)	Samuel Joseph Mantel (Agriculture) Angela Hancock (Agriculture)
Poster #1014 presented 7/30 @ 10:30-11:30am	Kit Hill† (PWL)	Galen Martin (Agriculture) Chao Cai (Libraries)
Poster #1015 presented 7/30 @ 10:30-11:30am	Alexus Moriah Johnson† (PWL)	Gyeong Mee Yoon (Agriculture) Jae Ho Kim (Agriculture)

Presentation	Students	Mentors and Other Acknowledgments
Poster #1016 presented 7/30 @ 10:30-11:30am	Owen Ososki† (Purdue University)	Sergio Munoz-Gomez (Science) Dongseok Kim (Science)
Poster #1017 presented 7/30 @ 10:30-11:30am	Lila Rivera† (PWL) Blaine Andrew Wagner* (Agriculture JMHC)	Joe Ogas (Agriculture) Jiaxin Long (Agriculture)
Poster #1018 presented 7/30 @ 10:30-11:30am	Kayla Saopraseuth† (PWL)	Stanton B Gelvin (Science) Lan-Ying Lee (Science)
Poster #1019 presented 7/30 @ 10:30-11:30am	Bella Turnbull† (PWL)	Chao-Jan Liao (Centers & Institutes) Venkatesh P Thirumalaikumar (Agriculture) Athanas Guzha (Agriculture) Chao Cai (Libraries) Tesfaye D Mengiste (Agriculture)
Poster #1020 presented 7/30 @ 10:30-11:30am	Leah Wong† (PWL)	Ruy Wilhelmus Johannes Kortbeek (Agriculture) Natalia Dudareva (Agriculture) Chao Cai (Libraries)
Poster #1021 presented 7/30 @ 10:30-11:30am	Duncan Patrick Blank† (Agriculture)	Joe Ogas (Agriculture) Jacob Ryan Fawley (Agriculture) Jiaxin Long (Agriculture)
Poster #1022 presented 7/30 @ 10:30-11:30am	Reuben Joshua De Dios† (Agriculture Engineering)	Lori Hoagland (Agriculture) Mine Rouxna van der Berg (Agriculture)
Poster #1023 presented 7/30 @ 10:30-11:30am	Andrew Lucas Freuman† (Agriculture Engineering) Bailey Elizabeth Freese‡ (Engineering Vet Med) Annalise Irene Coyne‡ (Agriculture Engineering JMHC) Jose Luis Melendez‡ (Agriculture Engineering)	Kari L Clase (Agriculture Engineering) Stephen Robert Byrn (Pharmacy) Daniel T Smith (Pharmacy)
Poster #1024 presented 7/30 @ 10:30-11:30am	Xinhui Katherine Huang† (Agriculture)	Jinsu Hong (Agriculture) Jinyoung Lee (Agriculture)
Poster #1025 presented 7/30 @ 10:30-11:30am	Sam Nelson Hutjens† (Agriculture)	Brenna Lynn Decker (Agriculture) Lucas David Grindley (Agriculture)
Poster #1026 presented 7/30 @ 10:30-11:30am	Savana Jankovic† (Agriculture)	Mark C Hall (Agriculture) Emily Lynae Danzeisen (Agriculture)
Poster #1027 presented 7/30 @ 10:30-11:30am	Eva Corinne Morie† (Agriculture Engineering) Alexis M Howat* (Agriculture)	Jacob Daniel Hosen (Agriculture) Alexander Charles Collins (Agriculture)
Poster #1028 presented 7/30 @ 10:30-11:30am	Sophia Morris† (Agriculture JMHC)	Joseph Paul Robinson (Engineering Vet Med) Bartek Rajwa (Other) David Perez Herrera (Science) Brianna N Corman (Vet Med)
Poster #1029 presented 7/30 @ 10:30-11:30am	Kae Nielson† (PWL) Bison R Lowe‡ (Agriculture) Daniel Angel Torres‡ (Agriculture) George Alexander Hufendick‡ (PWL) Grace Louise Amburgey‡ (Science JMHC) Lydia Jane Sullivan‡ (Agriculture) Norah Kaye Snyder‡ (Agriculture) Veronica Grace Nguyen‡ (PWL)	Morgan Emily Furze (Agriculture)
Poster #1030 presented 7/30 @ 10:30-11:30am	Nina O'Tain† (Agriculture) Sarabeth Grace Hargarten* (Agriculture) Sierra J Kingsford* (Agriculture) Grace Mae Kraemer* (Agriculture)	Tingting Ju (Agriculture) Brian T Richert (Agriculture) Rahim Rahimi (Engineering)
Poster #1031 presented 7/30 @ 10:30-11:30am	Seojin Paek† (Agriculture)	Xing Liu (Agriculture) FNU Chaganzhana (Agriculture)
Poster #1032 presented 7/30 @ 10:30-11:30am	Verasha Pomart† (Agriculture)	Lisa S. Mydy (Agriculture)
Poster #1033 presented 7/30 @ 10:30-11:30am	Tongyu Qin†	Yuan Yao (Agriculture) Jingxian An (Agriculture)
Poster #1034 presented 7/30 @ 10:30-11:30am	Alexandra Susan Revivo† (Agriculture)	Amanda J Deering (Agriculture) Adriana Vanegas Torres (Agriculture)
Poster #1035 presented 7/30 @ 10:30-11:30am	Catherine Song† (Agriculture)	Yichao Rui (Agriculture)
Poster #1036 presented 7/30 @ 10:30-11:30am	Sahana Srinivasan† (Agriculture) Chase Taylor Hearn‡ (Agriculture)	Clint C S Chapple (Agriculture)

Presentation	Students	Mentors and Other Acknowledgments
Poster #1037 presented 7/30 @ 10:30-11:30am	Austin Robert Tanabe† (Agriculture Engineering JMHC)	Feng Wang (Agriculture) Su-Ling Liu (Agriculture)
Poster #1038 presented 7/30 @ 10:30-11:30am	Kai Tran† (Agriculture)	Bruce R Hamaker (Agriculture)
Poster #1039 presented 7/30 @ 10:30-11:30am	Akhilesh Vigneshwaran† (Agriculture) Nathaniel Merrick Miller‡ (Agriculture) Yi Kai Liu‡ (Agriculture)	Weiguo Andy Tao (Agriculture Science)
Poster #1040 presented 7/30 @ 10:30-11:30am	Dylan Matthew Diaz† (PWL)	Yu-Chin Chiu (HHS)
Poster #1042 presented 7/30 @ 10:30-11:30am	David Perez Ramos† (PWL) Apekshya Chhetri‡ (HHS) Ariana Moffitt‡ (HHS) Jellie Corduroy‡ (HHS)	Patricia Marie Wolf (HHS)
Poster #1043 presented 7/30 @ 10:30-11:30am	Emma Sullinger† (PWL) Hannah Grace Forsythe‡ (Agriculture)	Linda S Lee (Agriculture Engineering) Ariana Jolie Lazo (Agriculture)
Poster #1045 presented 7/30 @ 10:30-11:30am	Makenna Wevick† (Unknown)	Jianxin Ma (Agriculture) Leonie Marie Trabert (Agriculture) Runze Guo (Agriculture)
Poster #1047 presented 7/30 @ 10:30-11:30am	Maria Catalina Aceros† (Engineering)	Fernando Aguilera De Alba (HHS) Michael G Heinz (Engineering HHS) Jia Lin Cheoh (Engineering)
Poster #1048 presented 7/30 @ 10:30-11:30am	Bolortsetseg Adiya† (Science)	Alexandra Blair Clark (Science) Laura J Pyrak-Nolte (Science) Lipi Roy (Engineering)
Poster #1049 presented 7/30 @ 10:30-11:30am	Minseong An†	Martin Byung-Guk Jun (Engineering) Junmyoung Jang (Engineering) Junyoung Oh (Engineering) Yonghyun Lee (Engineering) Yuseop Sim (Engineering)
Poster #1050 presented 7/30 @ 10:30-11:30am	Rishab Anand† (Engineering)	Tae Yoon Kim (Engineering) Md Foysal Rabbi (Engineering) Andres Catalino Castillo Jimenez (Engineering)
Poster #1051 presented 7/30 @ 10:30-11:30am	David Felipe Arguello Patino† (Engineering) Adam James Sullivan‡ (Engineering)	Megan K Van Dyke (Engineering) Yuehwern Yih (Engineering) Jorge Enrique Neira Garcia (Engineering)
Poster #1052 presented 7/30 @ 10:30-11:30am	Sidharth Bhatt†	Yaguang Zhang (Agriculture) Fabio Andres Castiblanco Rubio (Engineering) Monish Mahesh Lokhande (Engineering) Saru Bharti (Agriculture) Anugunj Naman (Engineering) Andrew Balmos (Engineering)
Poster #1053 presented 7/30 @ 10:30-11:30am	Juan I Cantarella† (Engineering)	Kyle Henry Jung (Engineering) Marisol Koslowski (Engineering) Joshua Mark Block (Engineering) Nuela Enebechi (Engineering)
Poster #1054 presented 7/30 @ 10:30-11:30am	Logan Ray Thomas Carleton† (Science)	Laura J Pyrak-Nolte (Science) Kyungsoo Han (Science)
Poster #1055 presented 7/30 @ 10:30-11:30am	Avery Chan† (Engineering)	Arezo Ardekani (Engineering) David Perez Herrera (Science)
Poster #1056 presented 7/30 @ 10:30-11:30am	Daniel Chi Hsien Chen Sandi† (Engineering)	Jun Kim (Engineering) Taimoor Hasan Qazi (Engineering) Tuba Marjan (Engineering) Nicole Elizabeth Mertens (Engineering) Keira Vesey (Engineering) Dean Evan Stornello (Engineering)
Poster #1057 presented 7/30 @ 10:30-11:30am	Brendan Edward Crump† (Engineering)	Ayotunde Olaoluwa Alabi (Engineering) David Hibbitts (Engineering) Sarah Gustafson Wagers (Engineering) Waire Olawolu (Engineering)

Presentation	Students	Mentors and Other Acknowledgments
Poster #1058 presented 7/30 @ 10:30-11:30am	Guilherme de Souza Correa [†] (Engineering)	Luis Gerardo Romaguera-Rios (Engineering) Thomas H Siegmund (Engineering) Daniel B Szymanski (Agriculture) Tanner James Ballance (Agriculture) Eileen L Mallery (Agriculture) David Matthew Czerwonky (Engineering)
Poster #1059 presented 7/30 @ 10:30-11:30am	Kelcie Edrea T Estrera [†] (Science) Yizheng Jiang [‡] (Engineering)	Denny Yu (Engineering) Varun Aggarwal (Engineering) Jingkun Wang (Engineering) Peiran Liu (Engineering)
Poster #1060 presented 7/30 @ 10:30-11:30am	Hongsen Fang [†] (Engineering) Rohan Kelkar [*] (Engineering)	Dianyun Zhang (Engineering) Yao Sun (Engineering) Sai Krishna Meka (Engineering) Nuela Enebechi (Engineering)
Poster #1061 presented 7/30 @ 10:30-11:30am	Auriani Faviola Gomez Cintron [†] (Engineering)	Agnes Dospoly (Engineering) Tamara L Kinzer-Ursem (Engineering) Andres Catalino Castillo Jimenez (Engineering)
Poster #1062 presented 7/30 @ 10:30-11:30am	Gabriela Gomez Langebeck [†] (Agriculture)	Lori Hoagland (Agriculture) Cristian Andres Salinas Castillo (Agriculture) Mine Rouxna van der Berg (Agriculture)
Poster #1063 presented 7/30 @ 10:30-11:30am	Nicolas Gomez Velasquez [†] (Engineering) Cole J Burnett [‡] (Engineering)	Jan-Anders E Mansson (Engineering) Adeline Nora Ripberger (Engineering) Jorge Enrique Neira Garcia (Engineering)
Poster #1064 presented 7/30 @ 10:30-11:30am	Vincent John Graciano [†] (Engineering)	Bren H Legarreta (Engineering) Diane Collard (Engineering) Steven F Son (Engineering) Emily R Jakob (Engineering)
Poster #1065 presented 7/30 @ 10:30-11:30am	Sicheng He [†] (Science) Ayush Ashok Khondge [‡] (PWL) Nolan H Nguyen [‡] Qingyang Sun [‡] (Engineering) Elizabeth Renee Murotani [‡] (Science) Bosco Lee [‡] Aaron W Berntsen [‡] (Engineering JMHC) Lucas Bin Fan Wu [‡] (Unknown)	Qiuyang Xiao (Engineering) Li Zhan (Engineering) Emily R Jakob (Engineering)
Poster #1066 presented 7/30 @ 10:30-11:30am	Jamie Chanadol Henson [†] (Engineering) Kai X Keller [†] (Engineering)	Yooseung Choi (Engineering) Emily R Jakob (Engineering)
Poster #1067 presented 7/30 @ 10:30-11:30am	Kira Howe [†] (Science)	Saloni Darji (Science) Sourish Biswas (Centers & Institutes) David Thompson (Science) David Matthew Czerwonky (Engineering)
Poster #1068 presented 7/30 @ 10:30-11:30am	Joseph Anthony Janicek [†] (Science)	Govindi Soba Rashmiraji Walimuni Dewage (Science) Xindi Tang (Science) Qiaorong Xie (Science) Julia Laskin (Science) Emily R Jakob (Engineering)
Poster #1069 presented 7/30 @ 10:30-11:30am	Daniel Esteban Jara Moreno [†] (Science)	Anish Yadav (Science) Christina W Li (Science) Jorge Enrique Neira Garcia (Engineering)
Poster #1070 presented 7/30 @ 10:30-11:30am	Yizheng Jiang [†] (Engineering) Kelcie Edrea T Estrera [‡] (Science)	Denny Yu (Engineering) Jingkun Wang (Engineering) Lipi Roy (Engineering)
Poster #1071 presented 7/30 @ 10:30-11:30am	Brayden Kauffmann [†] (Science) Aditya H Joshi [‡] (Engineering)	Tiancong Zhu (Science) Daniel Johannes Jung (Science) David Matthew Czerwonky (Engineering)
Poster #1072 presented 7/30 @ 10:30-11:30am	Nathan Maharaj Kharwanlang [†] (Engineering)	Chenfei Zhu (Engineering) Emily R Jakob (Engineering)
Poster #1073 presented 7/30 @ 10:30-11:30am	Kyungmin Kim [†] (Engineering Science)	Fabio Andres Castiblanco Rubio (Engineering)
Poster #1074 presented 7/30 @ 10:30-11:30am	Mary C Kirby [†]	Caitlin Rose Proctor (Engineering) Addrita Haque (Engineering)

Student Role Notation: [†]Presenting Author, [‡]Contributing Author, ^{*}Acknowledgment

Presentation	Students	Mentors and Other Acknowledgments
Poster #1075 presented 7/30 @ 10:30-11:30am	Anna Louise Kokosa† (Science JMHC) Megan Webb‡ (Agriculture)	Grigori Aleksandrovich Rudakov (Engineering) Tamara L Kinzer-Ursem (Engineering) Monish Mahesh Lokhande (Engineering)
Poster #1076 presented 7/30 @ 10:30-11:30am	Akhil Kota† (Engineering)	Shraman Pal (Engineering) Can Li (Engineering) Andres Catalino Castillo Jimenez (Engineering)
Poster #1077 presented 7/30 @ 10:30-11:30am	Emily Danielle Kushner† (Engineering) Helen Sophia Brzozowski* (Engineering)	Joseph Flanagan (Engineering) Jihoon Park (Engineering) Sudipta Mondal (Engineering) Kenneth H Sandhage (Engineering) Kevin P Trumble (Engineering) Varun Aggarwal (Engineering)
Poster #1078 presented 7/30 @ 10:30-11:30am	Andre Lee† (Engineering) Akshith Garapati‡ (Engineering)	David Iseri Inouye (Engineering) Easton Luke-Earl Currie (Engineering) Mingyu Kim (Engineering) Varun Aggarwal (Engineering)
Poster #1079 presented 7/30 @ 10:30-11:30am	Sooji Lee† (Science) Samin Sanjana‡ (Science)	Greg M Michalski (Science)
Poster #1080 presented 7/30 @ 10:30-11:30am	Woojun Lee† (Engineering)	euiwon Bae (Engineering)
Poster #1081 presented 7/30 @ 10:30-11:30am	Zonghan Lei† (Science JMHC)	Linda Nie (HHS) Nuela Enebechi (Engineering)
Poster #1082 presented 7/30 @ 10:30-11:30am	Ana Sofia Leiva Aldana† (Agriculture Engineering)	D. Marshall Porterfield (Agriculture Engineering) Richard John Barker (Agriculture Engineering) Varun Aggarwal (Engineering)
Poster #1083 presented 7/30 @ 10:30-11:30am	Zhixin Li† (Science)	Lei Wang (Science) Monish Mahesh Lokhande (Engineering)
Poster #1084 presented 7/30 @ 10:30-11:30am	Somi Lim† (Agriculture Engineering)	Caitlin Rose Proctor (Engineering)
Poster #1085 presented 7/30 @ 10:30-11:30am	Bingyi Liu† (Engineering Science)	Chenfei Zhu (Engineering)
Poster #1086 presented 7/30 @ 10:30-11:30am	Sophia D Madrazo† (Science)	Anna Elizabeth Davis (Science) Gabriel Jordan Lovinger (Science) Maison Claire Hardin (Science) Kelton James Radefeld (Science) David Matthew Czerwonky (Engineering)
Poster #1087 presented 7/30 @ 10:30-11:30am	Aidan Josef Monark† (Engineering)	Kali Nicole Konstantinopoulos (Engineering) Trevor Jaan Shoaf (Engineering) Lipi Roy (Engineering) Elsje Pienaar (Engineering)
Poster #1088 presented 7/30 @ 10:30-11:30am	Sohyun Moon† (Engineering)	Mahmudul Hoq (Engineering) Hosop Shin (PWL) Andres Catalino Castillo Jimenez (Engineering)
Poster #1089 presented 7/30 @ 10:30-11:30am	Keira Alexandra Murphy† (Engineering)	Paula Belmont Coelho (Engineering) Andrew Whelton (Engineering) Varun Aggarwal (Engineering)
Poster #1090 presented 7/30 @ 10:30-11:30am	Srinath Eswaran Neelamagam† (Science)	Shrikrishna Bhagirath Rajule (Engineering) Monish Mahesh Lokhande (Engineering)
Poster #1091 presented 7/30 @ 10:30-11:30am	Natalia Nino Cocoma† (Vet Med)	Jhon Edison Martinez (Engineering) Riyi Shi (Vet Med) Nikita Krishnan (Engineering) Casey Erin Adam (Vet Med) Man Chen (Engineering) Jorge Enrique Neira Garcia (Engineering)
Poster #1092 presented 7/30 @ 10:30-11:30am	Isabel M Owens† (Science)	Shalini Iyer (Science) Chittaranjan Das (Science) Nuela Enebechi (Engineering) Dhanapala Mudiyansele Jayamani C Gunaratne (Science) Laura Mae Sanford (Pharmacy)

Presentation	Students	Mentors and Other Acknowledgments
Poster #1093 presented 7/30 @ 10:30-11:30am	Minho Park [†] (Engineering)	Martin Byung-Guk Jun (Engineering) Junmyoung Jang (Engineering) Du Ju Lee (Engineering) Jongwoo Han (PWL)
Poster #1094 presented 7/30 @ 10:30-11:30am	Yixuan Ren [†] (Science) Hayden Schneider* (Science JMHC) Steven Quocviet Phan* (Pharmacy)	Joydeep Rakshit (Science) Saloni Darji (Science) David Matthew Czerwonky (Engineering)
Poster #1095 presented 7/30 @ 10:30-11:30am	Zachary Ryan Roeder [†] (Engineering)	Kendra A Erk (Engineering) Evan R Williams (Engineering) Matthew Kaboolian (Engineering) Varun Aggarwal (Engineering)
Poster #1096 presented 7/30 @ 10:30-11:30am	Nasser H Sanwarit [†] (Engineering Science) Rebecca Rose Phelan* (Engineering)	Grigori Aleksandrovich Rudakov (Engineering) Tamara L Kinzer-Ursem (Engineering) Leopold Noel Green (Engineering) David Matthew Czerwonky (Engineering)
Poster #1097 presented 7/30 @ 10:30-11:30am	Rohan Ashish Shrowty [†] (Engineering)	David Warsinger (Engineering) Mateo Roldan Carvajal (Engineering) Emily R Jakob (Engineering)
Poster #1098 presented 7/30 @ 10:30-11:30am	Udaiveer Singh [†] (Agriculture Engineering)	Rajiv Ranjan (Agriculture Engineering) Dharmendra Saraswat (Agriculture Engineering) Varun Aggarwal (Engineering)
Poster #1099 presented 7/30 @ 10:30-11:30am	Paul Shannon Slack [†] (Engineering Science)	Md Rakibul Islam Prince (Engineering) Monish Mahesh Lokhande (Engineering)
Poster #1100 presented 7/30 @ 10:30-11:30am	Daniela Solarte Rodriguez [†] (Engineering)	Lena Azimi (Engineering) Guinan Guo (Engineering) Melba M Crawford (Agriculture Engineering) Pramod Sunil Parande (Engineering) Jorge Enrique Neira Garcia (Engineering)
Poster #1101 presented 7/30 @ 10:30-11:30am	Robert Scott Sorensen [†] (HHS)	Bruno Tesini Roseguini (HHS)
Poster #1102 presented 7/30 @ 10:30-11:30am	Nicholas Audrie Steeves [†] (Science)	Nickolas Richard Brauer (Science) Jean A Chmielewski (Science) David Matthew Czerwonky (Engineering)
Poster #1103 presented 7/30 @ 10:30-11:30am	Abhaya Sundart [†] (Engineering Science)	Ritwik Bhattacharya (Engineering) Abhinanda Sengupta (Engineering) Partha P Mukherjee (Engineering) David Matthew Czerwonky (Engineering)
Poster #1104 presented 7/30 @ 10:30-11:30am	Likhita Tinga [†] (Engineering)	Aidan Damian Pantoya (Engineering) Jalen Riley Macatangay (Engineering) Jason John Wilkening (Engineering) Alejandro H Strachan (Engineering)
Poster #1105 presented 7/30 @ 10:30-11:30am	Mai Khanh Tran [†] (Engineering) Joao Vitor Carvalho Almeida [†] (Engineering)	Jenna L Wise DiVincenzo (Engineering) Matthew Christian Ruiz (Engineering)
Poster #1106 presented 7/30 @ 10:30-11:30am	Emerson Waltz [†] (Engineering)	Reagan Cole Huckabee (Engineering) Rajamani P Gounder (Engineering) Waire Olawolu (Engineering)
Poster #1107 presented 7/30 @ 10:30-11:30am	Minghan Wang [†] (Engineering)	Yifan Wang (Engineering) Jia Lin Cheoh (Engineering)
Poster #1108 presented 7/30 @ 10:30-11:30am	Ryan James Williams [†] (Engineering)	Rusi P Taleyarkhan (Engineering) Stepan Ozerov (Engineering)
Poster #1109 presented 7/30 @ 10:30-11:30am	Ryan Wu [†] (Engineering)	Weihang Li (Engineering) Melba M Crawford (Agriculture Engineering) Lena Azimi (Engineering) Guinan Guo (Engineering) Pramod Sunil Parande (Engineering) Jordan Joseph Alexander (Engineering) Varun Aggarwal (Engineering)
Poster #1110 presented 7/30 @ 10:30-11:30am	Ruoqin Rachel Yang [†] (Science) Olivia Nicole Safraneck [‡] (Science)	Nicholas Noinaj (Science) Laszlo Csonka (Science)

Presentation	Students	Mentors and Other Acknowledgments
Poster #1111 presented 7/30 @ 10:30-11:30am	Feng Ye [†] (Science) Nguyen Chan Nhu Pham [‡] (Liberal Arts) Antara Durbha [‡] (Science)	Qiuyue Xue (Science) Lipi Roy (Engineering)
Poster #1112 presented 7/30 @ 10:30-11:30am	Kai-Xing Yue [†] (Engineering)	David Warsinger (Engineering) Mateo Roldan Carvajal (Engineering) David Matthew Czerwonky (Engineering)
Poster #1113 presented 7/30 @ 10:30-11:30am	Lucia X Zhang [†] (Engineering)	chongli Yuan (Engineering) Han Zhao (Engineering) Emily R Jakob (Engineering)
Poster #1114 presented 7/30 @ 10:30-11:30am	Seth Everette Cowan [†] (Engineering)	Rusi P Taleyarkhan (Engineering) Stepan Ozerov (Engineering) CJ Holdeman (Engineering)
Poster #1115 presented 7/30 @ 10:30-11:30am	Conner B Stott [†] (Science)	Isik Gokcen Karslioglu (Science) Timothy Matthew Jones (Science)
Poster #1118 presented 7/30 @ 10:30-11:30am	Maria Jose Suarez Monroy [†] (PWL)	Christina R Ferreira (Centers & Institutes) Maria Soledad Sepulveda (Agriculture) Tyler D Hoskins (Agriculture) Deise Cruz Santos (Agriculture) Jeremiah Harvey Tennant (Agriculture) Jennifer L McAdams (Agriculture)
Poster #1119 presented 7/30 @ 10:30-11:30am	Kotoe Jodie Yoshitomi [†] (Science JMHC)	Sun Young Kim (Vet Med)
Poster #1120 presented 7/30 @ 10:30-11:30am	Qianye Chen [†] (PWL) Annella Bellot [*] (PWL)	Jan-Frederik Schulte (Science) Yao Yao (Science)
Poster #1121 presented 7/30 @ 10:30-11:30am	Kym-Danny Dyah Francis [†] (Engineering)	Ismar Leonel Chew (Engineering) Monique Suzanne McClain (Engineering)
Poster #1123 presented 7/30 @ 10:30-11:30am	Carlos Alexis Ortiz Gonzalez [†] (Engineering)	Kaushik Roy (Engineering) Prajna Ganapathy Malettira (Engineering)
Poster #1124 presented 7/30 @ 10:30-11:30am	Maheen Syed [†] (Engineering) John Pao Miles [*] (Liberal Arts)	Nikita Krishnan (Engineering) Shatha Jameel Mufti (Engineering) Riyi Shi (Vet Med) Timothy Brock Beauclair (Engineering) Jhon Edison Martinez (Engineering)
Poster #1125 presented 7/30 @ 10:30-11:30am	Sunny Yoon [†] (Science)	Brandon Keehn (HHS)
Poster #1200 presented 7/30 @ 12:00-1:00pm	Changho Lee [†] (Centers & Institutes)	Garam Kim (Polytechnic) Eduardo Barocio Vaca (Engineering) Anand D Tiwari (Polytechnic)
Poster #1201 presented 7/30 @ 12:00-1:00pm	Gia Phong Phuong [†] (Centers & Institutes)	Jose M Garcia Bravo (Polytechnic)
Poster #1202 presented 7/30 @ 12:00-1:00pm	Ava Robinson [†] (Liberal Arts)	Walter Daniel Leon-Salas (Polytechnic)
Poster #1203 presented 7/30 @ 12:00-1:00pm	Alan Cortes [†] (Agriculture)	Vikki Marie Weake (Agriculture) Seth Daniel Lammert (Agriculture) Sarah E. McGovern (Agriculture)
Poster #1204 presented 7/30 @ 12:00-1:00pm	Savannah Doty [†] (Grand Canyon University) Estelle Nour Gardner [‡] (Agriculture)	Kyle Aaron Cottrell (Agriculture) Cassandra Smoak (Agriculture) Daniel P Flaherty (Pharmacy) Nagabhushana Chinnenahalli Beeralinga (Pharmacy)
Poster #1205 presented 7/30 @ 12:00-1:00pm	Kendra Eller [†] (Agriculture) Louis Michael Delaby [*] (JMHC)	Hana Hall (Agriculture) Geethma Lirushie Tellambure Vithanage (Agriculture) Kendall Cottingham (Agriculture)
Poster #1206 presented 7/30 @ 12:00-1:00pm	Teresa Hayden [†] (Agriculture) Yuxin Zhuang [‡] (Agriculture) Pragya Jain [*] (Agriculture)	Majid Kazemian (Agriculture Science) An My Nguyen (Agriculture)
Poster #1207 presented 7/30 @ 12:00-1:00pm	Erwin Kingston [†] (Agriculture)	Andrew D Mesecar (Centers & Institutes) Nidhi Walia (Agriculture)
Poster #1208 presented 7/30 @ 12:00-1:00pm	Marlayna Little [†] (Agriculture)	Humaira Gowher (Agriculture) Mudasir Zahoor (Agriculture)

Presentation	Students	Mentors and Other Acknowledgments
Poster #1209 presented 7/30 @ 12:00-1:00pm	Christopher Powell† (Agriculture)	Weiguo Andy Tao (Agriculture Science) Shakhzodjon Uzokboev (Science)
Poster #1210 presented 7/30 @ 12:00-1:00pm	Kyannet Rodriguez-Cruz† (Agriculture)	Xing Liu (Agriculture) Rajasi Somesh Dravid (Agriculture) Leah N Durst (Agriculture)
Poster #1211 presented 7/30 @ 12:00-1:00pm	Nycholas Contreras† (PWL)	Carol B Post (Pharmacy) Rajarshi Roy (Pharmacy) James Richard Ellegate (Pharmacy) Ismaila Adams (Pharmacy) Nicholas Noinaj (Science) Vivek Govind Kumar (Pharmacy)
Poster #1212 presented 7/30 @ 12:00-1:00pm	Sebastian Cruz† (PWL)	Jinho Jang (Pharmacy) Danzhou Yang (Pharmacy)
Poster #1213 presented 7/30 @ 12:00-1:00pm	Laura Dong† (PWL)	Daisuke Kihara (Science) Anika Jain (Science)
Poster #1214 presented 7/30 @ 12:00-1:00pm	Roman Matamoros† (PWL) Olivia Nicole Safraneck* (Science)	Momen Mohamed Am Al-Hindy (Pharmacy) Zhong-Yin Zhang (Pharmacy Science) Nicholas Noinaj (Science)
Poster #1215 presented 7/30 @ 12:00-1:00pm	Tyler Paine† (PWL)	John Tesmer (Science) Sandali Lakmini Piladuwa Gamage (Science)
Poster #1216 presented 7/30 @ 12:00-1:00pm	Isaiah Philip† (PWL) Devanshi Gupta‡ (PWL)	Genki Terashi (Science) Daisuke Kihara (Science)
Poster #1217 presented 7/30 @ 12:00-1:00pm	Emily Truong† (PWL)	Mingqing Liu (Pharmacy) Rong Huang (Pharmacy) Nicholas Noinaj (Science)
Poster #1218 presented 7/30 @ 12:00-1:00pm	Anika Vaz† (Purdue University) Samantha Sarah Lin‡ (Pharmacy JMHC)	Marlyn Michelle Bush (Science) Nicholas Noinaj (Science) Jenny Alejandra Rodriguez Osorio (Science) Rheanna Elizabeth Walther (Science) Matthew Olson (Science) Yi Lien (Science)
Poster #1219 presented 7/30 @ 12:00-1:00pm	Arianis Loraine Hernández Peña† (PWL)	michael Wendt (Vet Med) Yun Li (Vet Med)
Poster #1220 presented 7/30 @ 12:00-1:00pm	Alexander Nikos Koron† (PWL)	Jessica Hsu (HHS)
Poster #1222 presented 7/30 @ 12:00-1:00pm	Erin Rodriguez† (PWL)	Lin Tan (Science) Kevin Zhang (Science)
Poster #1223 presented 7/30 @ 12:00-1:00pm	Lena Yvonne Grace Rotteveel† (PWL)	Yan Cong (Liberal Arts)
Poster #1224 presented 7/30 @ 12:00-1:00pm	Abner Obed Ruiz Pérez† (PWL)	Cary D Troy (Engineering) Kendahl R Klatt (Engineering) Owen R Hodges (Engineering) Max Ahrbecker (Engineering)
Poster #1225 presented 7/30 @ 12:00-1:00pm	Md Sadat Aarik† (Engineering) Ishan Gopu Nair‡ (Engineering) Mudit Pandey‡ (Engineering)	David Warsinger (Engineering) Davide Ziviani (Engineering) Md Ashiqur Rahman (Engineering) Emily R Jakob (Engineering)
Poster #1226 presented 7/30 @ 12:00-1:00pm	Agustin Abt† (Engineering) Aryan Rauniyar‡ (Engineering)	Ethan Wayne Holbrook (Engineering) Alejandro H Strachan (Engineering) Sourabh Vitthal Desai (PWL) Baptiste Tongasoa Martin (Engineering) Robert Joseph Appleton (PWL) Jia Lin Cheoh (Engineering)
Poster #1227 presented 7/30 @ 12:00-1:00pm	Garv Atri† (Engineering Science)	Linlin Li (Engineering) Andres Catalino Castillo Jimenez (Engineering)
Poster #1228 presented 7/30 @ 12:00-1:00pm	Aritra Barman† (Science)	Saghnik Saha (Science) Ming Yu Ngai (Science) Nuela Enebechi (Engineering)

Presentation	Students	Mentors and Other Acknowledgments
Poster #1229 presented 7/30 @ 12:00-1:00pm	Olivia Bell† (Engineering) Alekh Pratish Shah‡ (Engineering) Xavier Thomas Cedric Tribout‡ (PWL)	Craig Goergen (Engineering) Benjamin Zeidler (Engineering) Niharika Narra (Engineering) John Patrick Salvias (Engineering) Alyssa Marine Richards (Engineering) Conner Clair Earl (Engineering) Emily R Jakob (Engineering)
Poster #1230 presented 7/30 @ 12:00-1:00pm	Anushka Bhavet† (Polytechnic) Hiya Samanta‡ (Science)	Caue Sciascia Borlina (Science) Anastasia Kouvaras Ostrowski (Polytechnic) Ali Bramson (Science) Nuela Enebechi (Engineering)
Poster #1231 presented 7/30 @ 12:00-1:00pm	Cole J Burnett† (Engineering) Nicolas Gomez Velasquez‡ (Engineering)	Jan-Anders E Mansson (Engineering) Adeline Nora Ripberger (Engineering) David Matthew Czerwony (Engineering)
Poster #1232 presented 7/30 @ 12:00-1:00pm	Emma Caron† (Engineering JMHC)	Riley Bradley Barta (Engineering) Ganesh Brammanayagam venkatesan (Engineering) David Matthew Czerwony (Engineering)
Poster #1233 presented 7/30 @ 12:00-1:00pm	Anirud Chakkarapani† (Engineering) Mirza Orunav Shahper* (Engineering)	Luz Sotelo (Engineering) Harshith Kumar Adepu (Engineering) Davis Roy Avera (Engineering) Lipi Roy (Engineering)
Poster #1234 presented 7/30 @ 12:00-1:00pm	Pin-Yu Chen† (Engineering Science)	Junyuan Lu (Engineering) Jingang Li (Engineering)
Poster #1235 presented 7/30 @ 12:00-1:00pm	Martinos Christodoulides† (Engineering)	Nathaniel Liam Lazorchak (Engineering) Ken Yoshida (Engineering) Andres Catalino Castillo Jimenez (Engineering)
Poster #1236 presented 7/30 @ 12:00-1:00pm	Allison Clark† (Science)	Sergio Munoz-Gomez (Science) Varun Aggarwal (Engineering)
Poster #1237 presented 7/30 @ 12:00-1:00pm	William Thomas Covington†	Laura Elaine Murray-Kolb (HHS) Emily Rebekah Seiger (HHS)
Poster #1238 presented 7/30 @ 12:00-1:00pm	Sylvia Isabella Diaz† (Engineering) Sarah E Mollan‡ (Engineering)	Sarah Gustafson Wagers (Engineering) Rajamani P Gounder (Engineering) Bereket Tassew Bekele (Engineering)
Poster #1239 presented 7/30 @ 12:00-1:00pm	Abhigyan Doshi† (Engineering)	Pranshu Maan (Engineering) Alexander V Kildishev (Engineering)
Poster #1240 presented 7/30 @ 12:00-1:00pm	Pavle Duric† (Engineering Polytechnic) Spencer Michael Beane* (Engineering) Keri Lyn Christman* (PWL)	Fabio Andres Castiblanco Rubio (Engineering) Yaguang Zhang (Agriculture) Andrew Balmos (Engineering) James V Krogmeier (Engineering)
Poster #1241 presented 7/30 @ 12:00-1:00pm	Emma Foster† (Engineering Science)	Grigori Aleksandrovich Rudakov (Engineering) Tamara L Kinzer-Ursem (Engineering) Leopold Noel Green (Engineering) David Matthew Czerwony (Engineering)
Poster #1242 presented 7/30 @ 12:00-1:00pm	Akshith Garapati† (Engineering)	Dharmendra Saraswat (Agriculture Engineering) David Iseri Inouye (Engineering) Rajiv Ranjan (Agriculture Engineering) Emily R Jakob (Engineering)
Poster #1243 presented 7/30 @ 12:00-1:00pm	Juan Garcia† (Engineering)	Hector Gomez Diaz (Engineering) Mahmoud Golestanian (Engineering) Lin Tan (Science) Jorge Enrique Neira Garcia (Engineering)
Poster #1244 presented 7/30 @ 12:00-1:00pm	Gabriela Garcia Cardenas† (Science)	Dylan Kenji Wainwright (Agriculture Science) Matthew Kaboolian (Engineering) Hana Noell Larkins (Science) Kendra A Erk (Engineering) Jorge Enrique Neira Garcia (Engineering)
Poster #1245 presented 7/30 @ 12:00-1:00pm	Medhansh Garg† (Science)	Danny Milisavljevic (Science) Danielle Dickinson (Science) Varun Aggarwal (Engineering)

Presentation	Students	Mentors and Other Acknowledgments
Poster #1246 presented 7/30 @ 12:00-1:00pm	Elijah Goodman† (Rochester Institute of Technology)	Dan Jiao (Engineering) Hongyang Liu (Engineering) David Matthew Czerwony (Engineering)
Poster #1247 presented 7/30 @ 12:00-1:00pm	Arsh Gupta† (Science) Connor Siurek† (Science)	Daniel G Aliaga (Science) Eric Samperton (Science) Varun Aggarwal (Engineering)
Poster #1248 presented 7/30 @ 12:00-1:00pm	Caleb Carr Hamilton† (Engineering)	Yue Meng (Engineering) David Matthew Czerwony (Engineering)
Poster #1249 presented 7/30 @ 12:00-1:00pm	Ananya Hegde† (Engineering)	Xiaoping Bao (Engineering) Jingqiao Shen (Engineering) Varun Aggarwal (Engineering)
Poster #1250 presented 7/30 @ 12:00-1:00pm	Valeria Raquel Hernandez Barboza† (Science)	Michael R Gribskov (Science) Jorge Enrique Neira Garcia (Engineering)
Poster #1251 presented 7/30 @ 12:00-1:00pm	Ana Maria Hernandez Conde† (Engineering)	Joaquin Goñi (Engineering) Jorge Enrique Neira Garcia (Engineering) Daniel Guerrero (Engineering) Mahdi Moghaddam (Engineering)
Poster #1252 presented 7/30 @ 12:00-1:00pm	Kenli Hetrick† (HHS) Pia Kapur‡ (Centers & Institutes)	Matthew Louis Scarpelli (HHS) MacKenzie Coon-Haworth (HHS) Monish Mahesh Lokhande (Engineering)
Poster #1253 presented 7/30 @ 12:00-1:00pm	Habin Jang† (Agriculture Engineering) Maxwell J Gootee‡ (HHS Liberal Arts JMHC)	Arezo Ardekani (Engineering) Elham Saberian (Engineering) Monish Mahesh Lokhande (Engineering)
Poster #1254 presented 7/30 @ 12:00-1:00pm	Mia Alexandra Jensen† (Engineering)	Jinyang Du (Engineering) Luis Solorio (Engineering) Lipi Roy (Engineering)
Poster #1255 presented 7/30 @ 12:00-1:00pm	Julia Kang† (Engineering Science) Julian Vuong‡ (Engineering) Ojas Chaturvedi‡ (Science JMHC)	Shubh Parag Mehta (Engineering) Craig Goergen (Engineering) Benjamin Landis (Indiana University)
Poster #1256 presented 7/30 @ 12:00-1:00pm	Pataraphol Keeraswangporn† (Engineering)	Fabio Andres Castiblanco Rubio (Engineering) Yaguang Zhang (Agriculture) James V Krogmeier (Engineering) Monish Mahesh Lokhande (Engineering)
Poster #1257 presented 7/30 @ 12:00-1:00pm	Rohan Kelkar† (Engineering) Hongsen Fang‡ (Engineering)	Dianyun Zhang (Engineering) Yao Sun (Engineering) Nuela Enebechi (Engineering)
Poster #1258 presented 7/30 @ 12:00-1:00pm	Kai X Keller† (Engineering) Jamie Chanadol Henson† (Engineering) Nhuan Boi Duong‡ Haoyu Zhang‡ (Engineering)	Yooseung Choi (Engineering) Ran Dai (Engineering)
Poster #1259 presented 7/30 @ 12:00-1:00pm	Emma M Kindwall† (Engineering)	Nissa Larson (Engineering) Linlin Li (Engineering) David M Umulis (Engineering) Andres Catalino Castillo Jimenez (Engineering)
Poster #1260 presented 7/30 @ 12:00-1:00pm	Joseph Timothy Krittenbrink† (Engineering)	Alex Santiago-Vargas (Engineering) Dimitrios Peroulis (PWL) Jia Lin Cheoh (Engineering)
Poster #1261 presented 7/30 @ 12:00-1:00pm	Caleb Eunho Lee† (Science)	Hector Gomez Diaz (Engineering) Mahmoud Golestanian (Engineering) Jing Gao (Engineering) Monish Mahesh Lokhande (Engineering)
Poster #1262 presented 7/30 @ 12:00-1:00pm	Yoon gi Lee† (Engineering)	Juan Carlos Verduzco Gastelum (Centers & Institutes) Alejandro H Strachan (Engineering) David Matthew Czerwony (Engineering)
Poster #1263 presented 7/30 @ 12:00-1:00pm	Anastasia Patricia Lesniewski† (Liberal Arts Science) Connor Siurek* (Science)	Laura J Pyrak-Nolte (Science) Alexandra Blair Clark (Science) David Matthew Czerwony (Engineering)
Poster #1264 presented 7/30 @ 12:00-1:00pm	Guanting Li† (Science)	Leyu Liu (Science) Zhenhua Zeng (Science) Monish Mahesh Lokhande (Engineering)

Presentation	Students	Mentors and Other Acknowledgments
Poster #1265 presented 7/30 @ 12:00-1:00pm	Ailuen Liu† (Science)	Mina Carpenter (Science) Christopher H Uyeda (Science) David Matthew Czerwonky (Engineering)
Poster #1266 presented 7/30 @ 12:00-1:00pm	Katherine Mader† (University of Texas at Austin)	Amina Asghar (Science) Christina W Li (Science) Mah Gull (Science)
Poster #1267 presented 7/30 @ 12:00-1:00pm	Ryan Y Manley† (Engineering)	Vladimir M Shalaev (Engineering) Alexandra Boltasseva (Engineering) Arnab Banerjee (Science) Abhishek Bharatbhai Solanki (Engineering) Andres Eduardo Llacsahuanga Allcca (Science) Mohan Bikram Neupane (Science) Karthik Pagadala (Engineering) Jia Lin Cheoh (Engineering)
Poster #1268 presented 7/30 @ 12:00-1:00pm	Dominic Nathaniel Muniz† (Engineering) Ana Clara de Medeiros Morais‡ (Engineering)	Laura Helen Blumenschein (Engineering) Priyanka Balkrishna Bhovad (Engineering) Ethan Michael DeVries (Engineering) Jack Rearden Ferlazzo (Engineering) Nuela Enebechi (Engineering)
Poster #1269 presented 7/30 @ 12:00-1:00pm	Abhishek Manoj Nair† (Engineering Libraries)	Kosuke Ando (Engineering) Satyaroop Patnaik (Engineering) Nikhilesh Chawla (Engineering) Lipi Roy (Engineering)
Poster #1270 presented 7/30 @ 12:00-1:00pm	Nathan Nguyen† (Engineering Science)	Arezo Ardekani (Engineering) Prasheel Shivanand Nakate (Engineering) Monish Mahesh Lokhande (Engineering)
Poster #1271 presented 7/30 @ 12:00-1:00pm	Rebecca Rose Phelan† (Engineering) Nasser H Sanwari* (Engineering Science)	Grigori Aleksandrovich Rudakov (Engineering) Tamara L Kinzer-Ursem (Engineering) Monish Mahesh Lokhande (Engineering)
Poster #1272 presented 7/30 @ 12:00-1:00pm	Caleb Jonathan Radtke† (Engineering) Alex Perry† (Engineering)	Matthew Leight (Engineering) Varun Aggarwal (Engineering) Adam Carson Lay (Engineering) Abigayle Elaine Moser (Engineering) Brandon C Chynoweth (Engineering) Joseph S Jewell (Engineering) Zachary Allen McDaniel (Engineering) Siddharth Bhatnagar (Engineering) Chandler J Moy (Engineering)
Poster #1273 presented 7/30 @ 12:00-1:00pm	Rushil Ramchand† (Engineering)	Zheyuan Zhang (Engineering) Muhammad ibtsaam Qadir (Engineering) Fiona Kolbinger (Engineering)
Poster #1274 presented 7/30 @ 12:00-1:00pm	Amrita Rani Raparti† (Engineering)	Deva Chan (Engineering) Ryan Michael Meister (Engineering) Varun Aggarwal (Engineering)
Poster #1275 presented 7/30 @ 12:00-1:00pm	Andrea Rocha Barajas† (Engineering)	Dhiya eddine Belkadi (Engineering) Muhammad Mustafa Hussain (Engineering) Min Sung Kim (Engineering) Yusuf Kolawole Adebakin (Engineering) Jorge Enrique Neira Garcia (Engineering)
Poster #1276 presented 7/30 @ 12:00-1:00pm	Shreeya Roy† (Engineering)	Donghoon Lee (Engineering) Karin F K Ejendal (Engineering) Tamara L Kinzer-Ursem (Engineering) Nuela Enebechi (Engineering)
Poster #1277 presented 7/30 @ 12:00-1:00pm	Hiya Samanta† (Science) Anushka Bhavē‡ (Polytechnic)	Anastasia Kouvaras Ostrowski (Polytechnic) Caue Sciascia Borlina (Science) Ali Bramson (Science) Nuela Enebechi (Engineering)
Poster #1278 presented 7/30 @ 12:00-1:00pm	Fang Rui Shen† (Science)	Ali Mashhadian (Engineering) Arezo Ardekani (Engineering) Monish Mahesh Lokhande (Engineering)

Presentation	Students	Mentors and Other Acknowledgments
Poster #1279 presented 7/30 @ 12:00-1:00pm	Connor Siurek† (Science) Arsh Gupta† (Science)	Daniel G Aliaga (Science) Eric Samperton (Science) Varun Aggarwal (Engineering)
Poster #1280 presented 7/30 @ 12:00-1:00pm	Yuwen Song† (Engineering)	Christina W Li (Science) Mah Gull (Science)
Poster #1281 presented 7/30 @ 12:00-1:00pm	Colleen Ryan Squier† (Agriculture) Stephanie Tirado Rojas* (Agriculture)	Stephen Craig Mills (Agriculture) Christopher G Oakley (Agriculture) Nuela Enebechi (Engineering) Emily Nicole Lancaster (Agriculture) Juan Diego Rojas Gutierrez (Agriculture) Denise L Caldwell (Agriculture) Ian Rimer (Agriculture) Lucille Esther Karakas (Agriculture)
Poster #1282 presented 7/30 @ 12:00-1:00pm	Vincent Stavigt† (Science)	Erica Carlson (Science) Matthew Davis Golden (Science) Po-Yu Chen (Science) Monish Mahesh Lokhande (Engineering)
Poster #1283 presented 7/30 @ 12:00-1:00pm	Christopher Robert Stemporzewski† (Engineering)	Alexey Shashurin (Engineering)
Poster #1284 presented 7/30 @ 12:00-1:00pm	Raveena Venkateshwaran† (Science) Owen Joseph Jungblut‡ (Engineering) Sriyesh Senthil‡ (Science)	Daniel Suter (Science) Jorge Emanuel Hernandez Dominguez (Science) Emily R Jakob (Engineering)
Poster #1285 presented 7/30 @ 12:00-1:00pm	Henan Wang† (Engineering)	Zeshu Wang (Engineering) Haitong Li (Engineering) David Matthew Czerwony (Engineering)
Poster #1286 presented 7/30 @ 12:00-1:00pm	Alissa Weigand† (Pharmacy)	Tonglei Li (Pharmacy) Koushiki Basu (Pharmacy) Monish Mahesh Lokhande (Engineering)
Poster #1287 presented 7/30 @ 12:00-1:00pm	Katie Wilkinson†	Colton Dean Willhardt (Engineering) Daniel Robert Guildenbecher (Engineering) Varun Aggarwal (Engineering)
Poster #1288 presented 7/30 @ 12:00-1:00pm	Lorelei B Xia† (Pharmacy)	Jinho Jang (Pharmacy) Danzhou Yang (Pharmacy) Jia Lin Cheoh (Engineering)
Poster #1289 presented 7/30 @ 12:00-1:00pm	Zihan O Zeng† (Engineering JMHC)	Yuelin Deng (Polytechnic) Upinder Kaur (Agriculture Engineering) Andres Catalino Castillo Jimenez (Engineering)
Poster #1290 presented 7/30 @ 12:00-1:00pm	Francine Yu He Zhang† (Engineering)	Nicole Elizabeth Mertens (Engineering) Tuba Marjan (Engineering) Taimoor Hasan Qazi (Engineering)
Poster #1291 presented 7/30 @ 12:00-1:00pm	Louis Vincent Buonaiuto† (Engineering)	Andrew Owen Fewell (Engineering) Peter Bermel (Engineering) CJ Holdeman (Engineering)
Poster #1292 presented 7/30 @ 12:00-1:00pm	Elisa Chen† (Science JMHC) Grace Ann Kowis‡ (HHS Liberal Arts)	Linda Nie (HHS) Ellen M Wells (HHS) Carolina Gonzalez Canas (HHS) Justin Farmer (Rush University Medical Center) CJ Holdeman (Engineering)
Poster #1293 presented 7/30 @ 12:00-1:00pm	William Eunseok Jo†	Shubhra Bansal (Engineering) Haohan Guo (Engineering) CJ Holdeman (Engineering)
Poster #1294 presented 7/30 @ 12:00-1:00pm	Keegan M Kita† (Science)	Alexander Gregory Sinelli (Engineering) Allen L Garner (Engineering) CJ Holdeman (Engineering)
Poster #1295 presented 7/30 @ 12:00-1:00pm	Aryan Rauniyar† (Engineering) Agustin Abt† (Engineering)	Ethan Wayne Holbrook (Engineering) Alejandro H Strachan (Engineering) CJ Holdeman (Engineering) Rushik Desai (Engineering) Baptiste Tongasoa Martin (Engineering)

Presentation	Students	Mentors and Other Acknowledgments
Poster #1296 presented 7/30 @ 12:00-1:00pm	Luke Alexander Trahin† (Engineering) Samuel Christian Olenick* (Engineering)	Allen L Garner (Engineering) Alexander Gregory Sinelli (Engineering) CJ Holdeman (Engineering) Brodie Ames (Engineering) Cameron James Buerke (Engineering)
Poster #1297 presented 7/30 @ 12:00-1:00pm	Teegan Acres† (Purdue University)	Emma Dell Stapley (Vet Med) Timothy B Lescun (Vet Med) Jesus A Hermida Casas (Vet Med) François-René Bertin (Vet Med)
Poster #1298 presented 7/30 @ 12:00-1:00pm	Katrina Mason† (PWL)	Ahmed Abdelkhale Hassan (Vet Med) Lijia Zhang (Vet Med)
Poster #1299 presented 7/30 @ 12:00-1:00pm	Quynh Lam Nguyen† (Science)	Harm Hogenesch (Vet Med) Nikolaos Neokosmidis (Vet Med) Michelle Anne Poe (Vet Med)
Poster #1300 presented 7/30 @ 12:00-1:00pm	Vianca A. Rios Brito† (PWL)	Michelle L Tucker (Vet Med)
Poster #1302 presented 7/30 @ 12:00-1:00pm	Xander L Tuttle† (Vet Med)	Dianne Little (Vet Med) Camryn Renee Pamedis (Science) Savannah Lee Theurer (Science) Wendy Ann Koss (Centers & Institutes) Robyn R McCain (Centers & Institutes)
Poster #1303 presented 7/30 @ 12:00-1:00pm	Cheyenne Renee Waddell† (Agriculture)	michael Wendt (Vet Med) Sydney P Quijano (Vet Med)
Poster #1304 presented 7/30 @ 12:00-1:00pm	Israel Adenuga† (Homewood-Flossmoor High School) Alessandra Orr† (Homewood-Flossmoor High School) Jolissa Abeh† (Homewood-Flossmoor High School)	Ernest Francis Talarico, Jr. (PNW) Evan Roberts (Homewood-Flossmoor High School) Kathryn Stolzenbach (Homewood-Flossmoor High School) Corinne Zimmerman (Homewood-Flossmoor High School) Caitlin Gallagher (Homewood-Flossmoor High School)
Poster #1305 presented 7/30 @ 12:00-1:00pm	Basil Alojant† (Engineering)	Amanda P Siegel (Engineering) Andres Tovar (PWL) Andrew Nuetzel (Perry Township Schools)
Poster #1306 presented 7/30 @ 12:00-1:00pm	Saishri Bagde† (Engineering) Muhammad Mahdi Marzan† Geetika Chitturi† (Engineering JMHC)	Alexandra Boltasseva (Engineering) Miroslava Marinova Marinova (Engineering) Kyu Ri Choi (Engineering) Jae Ik Choi (Engineering)
Poster #1308 presented 7/30 @ 12:00-1:00pm	Thomas James Haack† (PNW)	Ernest Francis Talarico, Jr. (PNW) Hassan Naji (PNW)
Poster #1309 presented 7/30 @ 12:00-1:00pm	Mia R Hannah† (Science)	Roger Nicholas Bryant (Science)
Poster #1310 presented 7/30 @ 12:00-1:00pm	Ahmed Khan† (Engineering)	Hyewon Seo (Engineering) Behzad Esmaeili (Engineering)
Poster #1311 presented 7/30 @ 12:00-1:00pm	Olivia Lucille Kimmick† (Science) Alessia Lin Heiser† (Science)	Ahmed Abdelkhale Hassan (Vet Med) Ahmed Abdelaleem Abdelhafeez Mohammed (Vet Med) Mahmoud Adel Mohamed Sayed Ahmed (Vet Med)
Poster #1312 presented 7/30 @ 12:00-1:00pm	Jada E Laskowski† (Agriculture)	Subhashree Subramanyam (Agriculture)
Poster #1313 presented 7/30 @ 12:00-1:00pm	Andrew Yicheng Li† (Engineering)	Andres Tovar (PWL) Amanda P Siegel (Engineering)
Poster #1314 presented 7/30 @ 12:00-1:00pm	Seona James Mathew† (PWL) Lorelei Estella ro Fletcher† (JMHC) Morgan Denae Furlow† (Science)	Daniel J Foti (HHS) Reilly Diamond (HHS) Abigail Kathleen Moline (HHS) Kamryn Michelle Witkowiak (HHS) Molly H Sapperstein (HHS) Lilliya Qing Larson (HHS)
Poster #1315 presented 7/30 @ 12:00-1:00pm	Milagros Melhem Bertagni† (PWL)	Andres Tovar (PWL) Amanda P Siegel (Engineering) Ken Yoshida (Engineering)

Presentation	Students	Mentors and Other Acknowledgments
Poster #1317 presented 7/30 @ 12:00-1:00pm	Samuel J Patchin† (PNW)	Ernest Francis Talarico, Jr. (PNW)
Poster #1318 presented 7/30 @ 12:00-1:00pm	Madeline Marie Peterson† (Agriculture)	Lori Hoagland (Agriculture) Laura Elisa Garcia Giraldo (Agriculture)
Poster #1319 presented 7/30 @ 12:00-1:00pm	Aditya Pillai† (Science JMHC)	Viju Vijayan Pillai (Vet Med) Shyamkumar TS (Vet Med)
Poster #1320 presented 7/30 @ 12:00-1:00pm	Alvan Ramee† (Engineering)	Md Ashiqur Rahman (Engineering) David Warsinger (Engineering)
Poster #1321 presented 7/30 @ 12:00-1:00pm	Gregorio Romagnoli Oliveira† (Science)	Angeline M Lyon (Science) Leon Filip Laskowski (Science) Hanna Danielle King (Science)
Poster #1322 presented 7/30 @ 12:00-1:00pm	Julian Leonard Smith† (Agriculture)	Sara Elizabeth Cloft (Agriculture) Darrin M Karcher (Agriculture) Patrice E Baumhardt (Science) Esteban Fernandez-Juricic (Science)
Poster #1323 presented 7/30 @ 12:00-1:00pm	Esha Sury† (Science) Dhruv Upreti† (Science)	Erika Birgit Kaufmann (Science) Ralph Martin Kaufmann (Science)
Poster #1324 presented 7/30 @ 12:00-1:00pm	Shanell Andria Taylor† (Agriculture)	Sara Elizabeth Cloft (Agriculture) Darrin M Karcher (Agriculture)
Poster #1325 presented 7/30 @ 12:00-1:00pm	Jacob Junjie Zhang†	Shaiv Mehra (Engineering) Bradley S Duerstock (Engineering)
Poster #1400 presented 7/30 @ 1:30-2:30pm	Noah Daniel Brooks† (Agriculture Engineering JMHC)	Tian Li (Engineering)
Poster #1401 presented 7/30 @ 1:30-2:30pm	Kayla A Fischer† (Centers & Institutes) Eesha Khalid Faruqi† (HHS) Julian Vuong‡ (Engineering)	Meera Pancholi Doran (Engineering) Craig Goergen (Engineering) Cortland Hannah Johns (Engineering) Shubh Parag Mehta (Engineering)
Poster #1403 presented 7/30 @ 1:30-2:30pm	Prisha Marpu† (Centers & Institutes)	Nan Kong (Engineering) Yingjie Chen (Polytechnic) Haopeng Zhou (Engineering)
Poster #1404 presented 7/30 @ 1:30-2:30pm	Amanda Nesbitt† (Centers & Institutes)	chongli Yuan (Engineering) Xihui Zhao (Engineering)
Poster #1405 presented 7/30 @ 1:30-2:30pm	Paridhi Agarwal† (Engineering) Akshith Garapati* (Engineering)	Martin R Okos (Agriculture Engineering) Dharmendra Saraswat (Agriculture Engineering) Daniel N Hauersperger (Agriculture) Emily R Jakob (Engineering)
Poster #1406 presented 7/30 @ 1:30-2:30pm	Zoe Amerman† (Engineering)	Guang Lin (Engineering Science) Jia Lin Cheoh (Engineering) Junyi Wu (Science)
Poster #1407 presented 7/30 @ 1:30-2:30pm	Ruhaan Batta† (Engineering Polytechnic)	Junyuan Lu (Engineering) Jingang Li (Engineering) Nuela Enebechi (Engineering)
Poster #1408 presented 7/30 @ 1:30-2:30pm	Helen Sophia Brzozowski† (Engineering) Emily Danielle Kushner* (Engineering)	Kenneth H Sandhage (Engineering) Joseph Flanagan (Engineering) Kevin P Trumble (Engineering) Jihoon Park (Engineering) Sudipta Mondal (Engineering) Varun Aggarwal (Engineering)
Poster #1409 presented 7/30 @ 1:30-2:30pm	Nicolas Bustamante† (Engineering)	Li Qiao (Engineering) Samarpan Farmer (Engineering) Jia Lin Cheoh (Engineering)
Poster #1410 presented 7/30 @ 1:30-2:30pm	Eeshwar Ram Chalasani† (Engineering)	Linlin Li (Engineering) David M Umulis (Engineering) Andres Catalino Castillo Jimenez (Engineering)
Poster #1411 presented 7/30 @ 1:30-2:30pm	Anna S Chambers† (Engineering)	Sarah Gustafson Wagers (Engineering) Rajamani P Gounder (Engineering) Roger Saunders (PWL) Waire Olawolu (Engineering)

Presentation	Students	Mentors and Other Acknowledgments
Poster #1412 presented 7/30 @ 1:30-2:30pm	Mihir S Chauhan† (Science) Aarav Jain‡ Addison Francis Zucek‡ (Science) Manmeet Singh Dang‡ (Science)	Aniket Bera (Science) Monish Mahesh Lokhande (Engineering)
Poster #1413 presented 7/30 @ 1:30-2:30pm	Andrew Thomas Choung† (Engineering) Jacob Lee Prior* (Engineering)	Amy R Reibman (Engineering) Jia Lin Cheoh (Engineering)
Poster #1414 presented 7/30 @ 1:30-2:30pm	John G Christian† (Engineering)	Ashwin Ramachandran (Engineering) Raghav Ram (Engineering) Shubhonil Sarkar (Engineering) Jia Lin Cheoh (Engineering)
Poster #1415 presented 7/30 @ 1:30-2:30pm	Wen Xun Chua† (Science)	Shaista Ijaz Khan (Science) Zhenhua Zeng (Science) Yilin Lu (Science) Leyu Liu (Science) Lipi Roy (Engineering)
Poster #1416 presented 7/30 @ 1:30-2:30pm	Abigail R Deaton† (Science JMHC)	Grigori Aleksandrovich Rudakov (Engineering) Tamara L Kinzer-Ursem (Engineering) Lipi Roy (Engineering)
Poster #1417 presented 7/30 @ 1:30-2:30pm	Renee Duan† (Engineering)	Andrew James Simonson (Engineering) Collin Michael Queen (Engineering) David Hibbitts (Engineering) Waire Olawolu (Engineering)
Poster #1418 presented 7/30 @ 1:30-2:30pm	Rohan Joseph Eapen† (Pharmacy)	Sandro Matosevic (Pharmacy) Tyler Parker Fritsch (Pharmacy) Zachary Ashton Chu Leung (Pharmacy) Soumyajit Das (Pharmacy) Monish Mahesh Lokhande (Engineering)
Poster #1419 presented 7/30 @ 1:30-2:30pm	Ava Fuchst† (Engineering) Isabelle Anne Hunt‡ (Engineering) Jennifer Marie Bowles‡ (Engineering) Sachenka Katrina Angel Aranguena‡ (Engineering)	Joseph Wallace (Engineering) Olivia Nicole White (Engineering) Dyann Marie Segvich (Engineering) Andres Catalino Castillo Jimenez (Engineering)
Poster #1420 presented 7/30 @ 1:30-2:30pm	Parthav Garg† (Science)	Lei Wang (Science)
Poster #1421 presented 7/30 @ 1:30-2:30pm	Diego Alejandro Hernandez Acosta† (Engineering)	Vitaliy L Rayz (Engineering) Farshid Goudarzian (Engineering) Grace Elizabeth Palahnuk (Engineering) Defne Ekici (Engineering) Kostiantyn Kondratiuk (Engineering) Emily R Jakob (Engineering)
Poster #1422 presented 7/30 @ 1:30-2:30pm	Rinat Ilyussizov† (Science)	Ben K D Pearce (Science) Ishaan Madan (Science) Monish Mahesh Lokhande (Engineering)
Poster #1423 presented 7/30 @ 1:30-2:30pm	Juyeon Im† (Science) Yunsuk Lee‡ (HHS) Tara Ruslen Blanc‡ (Science)	Losha Dasol Jung (Science) David Matthew Czerwonky (Engineering) Neel Tushar Parekh (Science) Nithin Raj Senthil Raj (Science)
Poster #1424 presented 7/30 @ 1:30-2:30pm	Leonardo Isaac de Medeiros† (Engineering)	Luis Sanjuan (Engineering) Luis Solorio (Engineering) Lipi Roy (Engineering)
Poster #1425 presented 7/30 @ 1:30-2:30pm	Delfina B Jackson† (Engineering)	Arezo Ardekani (Engineering) Elham Saberian (Engineering) David Perez Herrera (Science) Rizwan Ullah (Engineering) Monish Mahesh Lokhande (Engineering)
Poster #1426 presented 7/30 @ 1:30-2:30pm	Dev Vishwash Joshi† (Engineering)	Waqas Alam (Engineering) David Warsinger (Engineering) David Matthew Czerwonky (Engineering)
Poster #1427 presented 7/30 @ 1:30-2:30pm	Pradyunn Vikram Kale† (Engineering)	Micah Kurt Condie (Engineering) James Michael Goppert (Engineering) Emily R Jakob (Engineering)

Presentation	Students	Mentors and Other Acknowledgments
Poster #1428 presented 7/30 @ 1:30-2:30pm	Abel Paul Sholey Kallely† (Engineering)	Aaron B Morris (Engineering) Timmy Ngo (Engineering) Carl R Wassgren (Engineering) David Matthew Czerwonky (Engineering)
Poster #1429 presented 7/30 @ 1:30-2:30pm	Adam Lewis Kipp† (Engineering)	Kevin J Webb (Engineering) Hatim Bamoumen (Engineering) Farhan Ishraque Zahin (Engineering) Monish Mahesh Lokhande (Engineering)
Poster #1430 presented 7/30 @ 1:30-2:30pm	Hrishikesh Murli Krishna† (HHS Science)	Jane Ann Mondul (HHS) Nuela Enebechi (Engineering)
Poster #1431 presented 7/30 @ 1:30-2:30pm	Yuet Ching Jolie Lai† (Engineering Science) Gilbert Chang‡ (Engineering Science) Zihan Lin‡ (Science) Andrew Li Niu‡ (Science)	Zachary Kalen Kingston (Science) Nuela Enebechi (Engineering)
Poster #1432 presented 7/30 @ 1:30-2:30pm	Hao-Chen Li† (Engineering)	Haitham Kanakri (Engineering) Maher E Rizkalla (PWL) Andres Catalino Castillo Jimenez (Engineering)
Poster #1433 presented 7/30 @ 1:30-2:30pm	Leland Li† (Engineering)	Can Li (Engineering) PIYUSH SHARMA (Engineering) Quinn Huckaba (Engineering) Waire Olawolu (Engineering)
Poster #1434 presented 7/30 @ 1:30-2:30pm	Khanh Mai† (Science)	Ahreum Lee (Science) Divyansh Rathore (Science) Monish Mahesh Lokhande (Engineering)
Poster #1435 presented 7/30 @ 1:30-2:30pm	Sri Krishna Teja Mannava† (Science)	Andres Eduardo Llacsahuanga Allcca (Science) Leonid P Rokhinson (Science)
Poster #1436 presented 7/30 @ 1:30-2:30pm	Vedha Masuraha† (Engineering Liberal Arts)	Babak Anasori (Engineering) Muhammad Sharif Uddin (Engineering) Krutarth Kiran Kamath (Engineering) Varun Aggarwal (Engineering)
Poster #1437 presented 7/30 @ 1:30-2:30pm	Caden S McCollum† (Science) Zhixin Li* (Science) Zhaoyu Liu* (Science)	Lei Wang (Science)
Poster #1438 presented 7/30 @ 1:30-2:30pm	Sahda Mohammadu Haroon† (Engineering) Isaac Parks* (Engineering) Tejas Pandit* Princess Gloria Onyinyechi Okoli* (Engineering)	Xavier I Morgan-Lange (Engineering) David Warsinger (Engineering) David Matthew Czerwonky (Engineering)
Poster #1439 presented 7/30 @ 1:30-2:30pm	Lucas Munoz† (Polytechnic)	Walter Daniel Leon-Salas (Polytechnic) Emily R Jakob (Engineering)
Poster #1440 presented 7/30 @ 1:30-2:30pm	Saran S Nagubandi† (Science) Aiden Moy‡ (Science)	Jason Wu (Science) Nuela Enebechi (Engineering)
Poster #1441 presented 7/30 @ 1:30-2:30pm	Ishan Gopu Nair† (Engineering) Mudit Pandey* (Engineering) Harishramani Venkatasubramanian* (Engineering) Md Sadat Aarik* (Engineering) Govind Sriram Lanka* (Engineering) Ron Cheng Xuan Chay* (Science)	Md Ashiqur Rahman (Engineering) David Warsinger (Engineering) David Matthew Czerwonky (Engineering)
Poster #1442 presented 7/30 @ 1:30-2:30pm	Malavika Nair† (Engineering)	Tejas Ravindra Kulkarni (Engineering) Sadha Sivam Murugesan (Engineering) Xiaoyue Zhang (Engineering) Ganesh Subbarayan (Engineering) Jia Lin Cheoh (Engineering)
Poster #1443 presented 7/30 @ 1:30-2:30pm	Khoa Duc Khoa Nguyen†	Yu She (Engineering) Zhengtong Xu (Engineering)
Poster #1444 presented 7/30 @ 1:30-2:30pm	Jannah M Noshi† (Science JMHC)	Xiaoling Chen (Pharmacy)
Poster #1445 presented 7/30 @ 1:30-2:30pm	Zoe Noznesky† (Science)	Brandon Delos Parker (Science) Michael Earl Reppert (Science) Lipi Roy (Engineering)

Presentation	Students	Mentors and Other Acknowledgments
Poster #1446 presented 7/30 @ 1:30-2:30pm	Evelynn Marie Papez† (Engineering JMHC)	Elizabeth Tarami Su (Engineering) Kevin John Otto (Engineering) Emily R Jakob (Engineering)
Poster #1447 presented 7/30 @ 1:30-2:30pm	Isaac Parks† (Engineering) Sahda Mohammadu Haroon* (Engineering) Princess Gloria Onyinyechi Okoli* (Engineering) Tejas Pandit*	Xavier I Morgan-Lange (Engineering) David Warsinger (Engineering) Clark Lay (Engineering)
Poster #1448 presented 7/30 @ 1:30-2:30pm	Kavyaa Parmar† (Engineering Science) Atiksh Bhattacharya† (Science)	Shilo Xia (Science)
Poster #1449 presented 7/30 @ 1:30-2:30pm	Truman Carl Parrish† (Science) Ananya Molugu† (Science)	Andy Jung (Science) Ace Rounds (Science) Jia Lin Cheoh (Engineering)
Poster #1450 presented 7/30 @ 1:30-2:30pm	Daniel J V Pike† (Engineering) Sai Kasturi Kamila* (Engineering JMHC)	Zherui Martinez-Guo (Engineering) Adithya Kolisetty (Engineering) Varun Aggarwal (Engineering)
Poster #1451 presented 7/30 @ 1:30-2:30pm	Jacob Lee Prior† (Engineering) Andrew Thomas Choung* (Engineering)	Amy R Reibman (Engineering) Lipi Roy (Engineering) Haochuan Hu (Engineering)
Poster #1452 presented 7/30 @ 1:30-2:30pm	Reyam Roumeih† (Engineering)	Reem Khir (Engineering) Denver John Lobo (Engineering) Andres Catalino Castillo Jimenez (Engineering)
Poster #1453 presented 7/30 @ 1:30-2:30pm	William James Rowe† (Engineering)	Yuto Tanaka (Engineering) Nuela Enebechi (Engineering)
Poster #1454 presented 7/30 @ 1:30-2:30pm	Chris Schoenherr† (Polytechnic)	Kaitlyn Amber Kondos (Engineering) Amit Varma (Engineering) Shivam Sharma (Engineering) Emily R Jakob (Engineering)
Poster #1455 presented 7/30 @ 1:30-2:30pm	Leonel Baskin Sesuraj Baskin† (Science)	Matthew Thomas Tegtmeier (Science) Lipi Roy (Engineering)
Poster #1456 presented 7/30 @ 1:30-2:30pm	Ziqi Shen† (Engineering)	Anubhav Dey (Engineering) Ilias Bilonis (Engineering) Monish Mahesh Lokhande (Engineering)
Poster #1457 presented 7/30 @ 1:30-2:30pm	Leonor Antunes Sinogas† (Science)	Shulan Xiao (Engineering) Linlin Li (Engineering) Andres Catalino Castillo Jimenez (Engineering)
Poster #1458 presented 7/30 @ 1:30-2:30pm	Peter Robertson Skrdla† (Engineering) Joseph Timothy Krittenbrink* (Engineering)	Alex Santiago-Vargas (Engineering) Dimitrios Peroulis (PWL) Jia Lin Cheoh (Engineering)
Poster #1459 presented 7/30 @ 1:30-2:30pm	Aditya Srinivasan† (Science)	Shuaiqing Zhang (Science) Yihang Zeng (Science) Varun Aggarwal (Engineering) Nemanja Ninkovic (Science)
Poster #1460 presented 7/30 @ 1:30-2:30pm	Kaylani Le'mae Tomlin† (Engineering)	Sarah Gustafson Wagers (Engineering) Rajamani P Gounder (Engineering) Waire Olawolu (Engineering)
Poster #1461 presented 7/30 @ 1:30-2:30pm	Gabriel Torres† (Engineering)	Saru Bharti (Agriculture) Upinder Kaur (Agriculture Engineering) Varun Aggarwal (Engineering) Ian Noronha (Agriculture)
Poster #1462 presented 7/30 @ 1:30-2:30pm	Sreeram Vengalloor Madhavan† (Science)	Niranjan Hirisave Shivaram (Science) Russell Lee Zimmerman (Science) Shashank Kumar (Science) Md Ehsanuzzaman (Science) Lipi Roy (Engineering)
Poster #1463 presented 7/30 @ 1:30-2:30pm	Clayton Walden† (Science)	Qixin He (Science) Bianca Shaunessy Broyles (PWL) Nuela Enebechi (Engineering)
Poster #1464 presented 7/30 @ 1:30-2:30pm	Serena Yuanyuan Wei† (Engineering Science)	Jaewon Park (Engineering) Justin Weibel (Engineering) Jia Lin Cheoh (Engineering)

Presentation	Students	Mentors and Other Acknowledgments
Poster #1465 presented 7/30 @ 1:30-2:30pm	Sophie J Wilcox [†] (Pharmacy)	Christina Marie Boody (Science) Andres Catalino Castillo Jimenez (Engineering)
Poster #1466 presented 7/30 @ 1:30-2:30pm	Ty Richard Yaguchi [†] (Engineering)	Hosop Shin (PWL) Mahmudul Hoq (Engineering)
Poster #1467 presented 7/30 @ 1:30-2:30pm	Eric Y Yang [†] (Engineering) Bingrui Luke Wang* (Engineering)	chongli Yuan (Engineering) Xihui Zhao (Engineering) Junkai Xie (Engineering) David Matthew Czerwonky (Engineering)
Poster #1468 presented 7/30 @ 1:30-2:30pm	Eloise Zambrano [†] (Science)	Elizabeth I Parkinson (Pharmacy Science) Carson Bailey Roberts (Science) Varun Aggarwal (Engineering)
Poster #1469 presented 7/30 @ 1:30-2:30pm	Caleb Enos Zhang [†] (Engineering JMHC) Sarthak Tandon [‡] (Engineering)	Alexander V Kildishev (Engineering) Pranshu Maan (Engineering)
Poster #1470 presented 7/30 @ 1:30-2:30pm	Sana Azat [†] (Science)	Austin Jacob Pronk (Science) Emily R Jakob (Engineering)
Poster #1471 presented 7/30 @ 1:30-2:30pm	Owen Chen [†] (Engineering) James Arthur Spezzano* (Engineering) Sean Ross Klein* (Engineering Libraries) Brandon Anthony Farber* (Engineering)	Peter Bermel (Engineering)
Poster #1472 presented 7/30 @ 1:30-2:30pm	Nathan Grant Clark [†] (Engineering) Junyi Xiu* (Vanderbilt University) Olyver Fierro* (Engineering) Eileen Koh* (Engineering)	Shauna Nicole Adams (Engineering) Kerrie Douglas (Engineering) Jill Anne Folkerts (Engineering) CJ Holdeman (Engineering) Gabriella Coloyan Fleming (Purdue University)
Poster #1473 presented 7/30 @ 1:30-2:30pm	John W Fabian [†]	Majid Khorsandi (HHS) Linda Nie (HHS) CJ Holdeman (Engineering)
Poster #1474 presented 7/30 @ 1:30-2:30pm	Olyver Fierro [†] (Engineering) Eileen Koh [‡] (Engineering) Junyi Xiu* (Vanderbilt University) Nathan Grant Clark* (Engineering)	Shauna Nicole Adams (Engineering) Kerrie Douglas (Engineering) Jill Anne Folkerts (Engineering) CJ Holdeman (Engineering) Gabriella Coloyan Fleming (Purdue University)
Poster #1475 presented 7/30 @ 1:30-2:30pm	Richard Zhixiong Li [†] (Engineering)	Yingru Song (Engineering) Jungmin Lee (Engineering) Amy M Marconnet (Engineering) CJ Holdeman (Engineering)
Poster #1476 presented 7/30 @ 1:30-2:30pm	Nadine Yifei Poon [†] (Engineering)	Matthew M Niichel (Engineering) Stylianios Chatzidakis (Engineering) Peter Bermel (Engineering)
Poster #1477 presented 7/30 @ 1:30-2:30pm	Nikhil K Raman [†]	Fariha Haq (Engineering) Marisol Koslowski (Engineering) CJ Holdeman (Engineering)
Poster #1478 presented 7/30 @ 1:30-2:30pm	Junyi Xiu [†] (Vanderbilt University) Olyver Fierro* (Engineering) Nathan Grant Clark* (Engineering) Eileen Koh* (Engineering)	Shauna Nicole Adams (Engineering) Kerrie Douglas (Engineering) Jill Anne Folkerts (Engineering) CJ Holdeman (Engineering) Gabriella Coloyan Fleming (Purdue University)
Poster #1479 presented 7/30 @ 1:30-2:30pm	Harol Esteban Botero Soto [†] (Engineering)	Satish Kumar Adari (Engineering) Rodrigo Salgado (Engineering) Monica Prezzi (Engineering)
Poster #1480 presented 7/30 @ 1:30-2:30pm	Luis Felipe Pardo Diaz [†] (Polytechnic)	Soowon Chang (Polytechnic) Heung Jin Oh (Polytechnic) Daniel Francisco Castro (Polytechnic)
Poster #1481 presented 7/30 @ 1:30-2:30pm	Maria Alejandra Saavedra Mogotocoro [†] (PWL) Ian Edward Bowley [‡] (Engineering)	Michael Titus (Engineering)
Poster #1482 presented 7/30 @ 1:30-2:30pm	Abigail Catherine Alexander [†] (Vet Med)	Marxa Figueiredo (Vet Med) Gabriel Steven Harris (Vet Med) Kurt Ristroph (Agriculture Engineering) Herman O Sintim (Science)
Poster #1483 presented 7/30 @ 1:30-2:30pm	Kaya Aypek [†] (Engineering) Adam Zhang [‡] (Science)	Sabine Brunswicker (Polytechnic)

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

Presentation	Students	Mentors and Other Acknowledgments
Poster #1484 presented 7/30 @ 1:30-2:30pm	Gabrielle Marie Barrido† (PWL)	Marxa Figueiredo (Vet Med) Gabriel Steven Harris (Vet Med) Kurt Ristroph (Agriculture Engineering)
Poster #1485 presented 7/30 @ 1:30-2:30pm	Jacob Bastian† (PWL)	Chad C Carroll (HHS) Gordon Carl Smilanich (HHS)
Poster #1486 presented 7/30 @ 1:30-2:30pm	Akshita Bhavanishankar† (Engineering)	Grace Ulmer (Engineering) Marcelo Invitti (Whirlpool)
Poster #1487 presented 7/30 @ 1:30-2:30pm	Ivana Naomi Bilic† (Science)	Douglas R Schmitt (Science)
Poster #1488 presented 7/30 @ 1:30-2:30pm	Phoebe Burrell† (Liberal Arts Science)	Elizabeth I Parkinson (Pharmacy Science) Manuela Frias Gomez (Science)
Poster #1490 presented 7/30 @ 1:30-2:30pm	Daniel Michael Carrel† (Science)	Brady Layman (Science) Jeffrey Edward Dick (Science)
Poster #1491 presented 7/30 @ 1:30-2:30pm	Kaleb Caudle† (Science)	Megan Leigh Hill (Science) Jeremy Hugh Lawrence (Science) Md Arif Faisal (Science) James Hoang Nguyen (Science) Jeffrey Edward Dick (Science)
Poster #1492 presented 7/30 @ 1:30-2:30pm	Nha Chau† (Unknown) Quang Vo‡ (Unknown) Pham Phan‡ (Unknown) Ngoc Nguyen‡ (Unknown) Quang Hoang‡ (Unknown)	Ernest Francis Talarico, Jr. (PNW) Thach Nguyen (Tan Tao University)
Poster #1493 presented 7/30 @ 1:30-2:30pm	Hannah Everette† (Agriculture) Mia Constance Schechter‡ (Agriculture) Keirstyn Amponsah‡ (Agriculture)	Moriah Tziviva Bilenky (Agriculture)
Poster #1494 presented 7/30 @ 1:30-2:30pm	Karis Ge Fu† (HHS JMHC)	Reeya Tanwar (HHS)
Poster #1495 presented 7/30 @ 1:30-2:30pm	Matthew Tomasz Galej† (PWL)	Mary Anne Smart (Science)
Poster #1496 presented 7/30 @ 1:30-2:30pm	Michael David Gardner† (Science)	Brian Metzger (Science)
Poster #1497 presented 7/30 @ 1:30-2:30pm	Huda Touqeer Hussain† (HHS JMHC) Mahmoud Adel Mohamed Sayed Ahmed‡ (Vet Med)	Ahmed Abdelkhale Hassan (Vet Med)
Poster #1498 presented 7/30 @ 1:30-2:30pm	Andrea Carmen Jacobson† (Agriculture Science)	Sharon A Kessler (Agriculture) Sowmiya Devi Venkatesan (Agriculture)
Poster #1499 presented 7/30 @ 1:30-2:30pm	Lucas O Johnson† (Science)	Elizabeth I Parkinson (Pharmacy Science) Paisley Lilliana Jeannette (Science) Zachary Logan Budimir (Science)
Poster #1500 presented 7/30 @ 1:30-2:30pm	Aditya H Joshi† (Engineering) Brayden Kauffmann* (Science)	Tiancong Zhu (Science) Daniel Johannes Jung (Science)
Poster #1501 presented 7/30 @ 1:30-2:30pm	Sai Kasturi Kamila† (Engineering JMHC) Melody Christine Yang† (Engineering) Daniel J V Pike* (Engineering)	Zherui Martinez-Guo (Engineering) Adithya Kolisetty (Engineering) Tyler Dillard (Engineering)
Poster #1502 presented 7/30 @ 1:30-2:30pm	Ian Kim† (DSB JMHC)	Seema Mattoo (Science)
Poster #1503 presented 7/30 @ 1:30-2:30pm	Khanh Le† (Unknown) Thy Le‡ (Unknown) Van Hoang‡ (Unknown) Thi Chau‡ (Unknown) Khanh Le‡ (Methodist Hospitals)	Ernest Francis Talarico, Jr. (PNW) Thach Nguyen (Tan Tao University)
Poster #1504 presented 7/30 @ 1:30-2:30pm	Belinda Xintian Li† (University of Illinois)	Daniel S Elliott (Engineering Science) Diego Esteban Garcia (Engineering)
Poster #1505 presented 7/30 @ 1:30-2:30pm	Dhruva Magesh† (Unknown) Mateusz Wlodarczyk†	Ernest Francis Talarico, Jr. (PNW) Thach Nguyen (Tan Tao University)
Poster #1506 presented 7/30 @ 1:30-2:30pm	Aditi Magesh† (Engineering JMHC)	Laia Vancells Lopez (Engineering) Nan Kong (Engineering)
Poster #1508 presented 7/30 @ 1:30-2:30pm	Ashlynn R McLaughlin† (Agriculture)	Maria Soledad Sepulveda (Agriculture)

Presentation	Students	Mentors and Other Acknowledgments
Poster #1509 presented 7/30 @ 1:30-2:30pm	Noah Miller† (PWL) Beatrice V Dyas‡ (Science) Laurel Frances Tayloe‡ (Science)	Pranav Ballaney (Science) Madduri Srinivasarao (Centers & Institutes)
Poster #1510 presented 7/30 @ 1:30-2:30pm	Ngoc Nguyen† (Unknown) Thuy Nguyen‡ (Unknown) Thi Chau‡ (Unknown) Nghia Nguyen‡ (Unknown) Quang Hoang‡ (Unknown)	Ernest Francis Talarico, Jr. (PNW) Thach Nguyen (Tan Tao University)
Poster #1511 presented 7/30 @ 1:30-2:30pm	Thai Nguyen† (Unknown) Sanad Ahmad‡ (Unknown) Thy Le‡ (Unknown) Quang Vo‡ (Unknown) Van Hoang‡ (Unknown)	Ernest Francis Talarico, Jr. (PNW) Thach Nguyen (Tan Tao University)
Poster #1512 presented 7/30 @ 1:30-2:30pm	Ngoc Anh T Nguyen† (PNW) Nghia Nguyen‡ (Unknown)	Ernest Francis Talarico, Jr. (PNW)
Poster #1513 presented 7/30 @ 1:30-2:30pm	Muneera Shoaib Rasheed† (Engineering) Korphiena Kimona Stephen‡ (Engineering)	Shaiv Mehra (Engineering) Bradley S Duerstock (Engineering)
Poster #1514 presented 7/30 @ 1:30-2:30pm	Amanda Rodriguez-Gonzalez† (Engineering) Keeley Vonne Farmer* (Science) Ali Jo Crouse* (Science)	Mobina Masdari (Science) Jeffrey Edward Dick (Science) Dane Christophe Wagner (Science) Uttam Pal (Science)
Poster #1515 presented 7/30 @ 1:30-2:30pm	Timothy A Schmiedl† (Science JMHC) Diya Shivpuje† (PWL)	Yihang Zeng (Science) Nemanja Ninkovic (Science)
Poster #1516 presented 7/30 @ 1:30-2:30pm	Muhammad F Shaaban† (Engineering)	Joseph Gerard Makin (Engineering)
Poster #1517 presented 7/30 @ 1:30-2:30pm	Jayden Shah† (Lake Central High School) Ngoc Anh T Nguyen† (PNW)	Ernest Francis Talarico, Jr. (PNW) Thach Nguyen (Tan Tao University)
Poster #1518 presented 7/30 @ 1:30-2:30pm	Maia Stef-Praun† (Engineering)	Lia A Stanciu-Gregory (Engineering) Zhijian Wang (Engineering) Amit Kumar Barui (Engineering) Majid Kazemian (Agriculture Science) Matthew Olson (Science) Rahim Rahimi (Engineering) Devendra Nikhil Sarnaik (Engineering)
Poster #1519 presented 7/30 @ 1:30-2:30pm	Korphiena Kimona Stephen† (Engineering) Muneera Shoaib Rasheed‡ (Engineering)	Shaiv Mehra (Engineering) Bradley S Duerstock (Engineering)
Poster #1520 presented 7/30 @ 1:30-2:30pm	Devikaa Prashant Thakker† (Engineering)	Douglas R Schmitt (Science)
Poster #1521 presented 7/30 @ 1:30-2:30pm	Vo Uyen† (Tan Tao University)	Ernest Francis Talarico, Jr. (PNW) Thach Nguyen (Tan Tao University) Loc Vu (Tan Tao University)
Poster #1522 presented 7/30 @ 1:30-2:30pm	Tomas Vargas-Bernal† (Engineering JMHC)	Pablo D Zavattieri (Engineering) Marie Kate Palau Andrade (Engineering)
Poster #1523 presented 7/30 @ 1:30-2:30pm	Alexander Webb† (Science)	Brian Metzger (Science)
Poster #1524 presented 7/30 @ 1:30-2:30pm	Jennifer Hyerin Yang† (Pharmacy)	Robyn Krystal De Dios (Science) Stephanie M Gardner (Science) Emily R Jakob (Engineering)
Poster #1525 presented 7/30 @ 1:30-2:30pm	Richard Z Zhang† (Engineering) Zonghan Lei‡ (Science JMHC)	Linda Nie (HHS)
Talk #7000 presented 7/30 @ 10:00am	Johanna Walther† (Engineering)	Ram Eknath Munde (Engineering) Raisul Islam (Engineering) Varun Aggarwal (Engineering) Krutarth Kiran Kamath (Engineering) Brian Cecil Wyatt (Engineering)
Talk #7001 presented 7/30 @ 10:20am	Levi Hammerbeck† (Engineering)	Amogh Natu (Engineering) Daniel Robert Guildenbecher (Engineering) Nuela Enebechi (Engineering)
Talk #7002 presented 7/30 @ 10:40am	Boyang Zhang† (Engineering) Pranav Tallapaka‡ (Engineering)	Jan-Anders E Mansson (Engineering) Daniel Castro Mesa (Engineering) Lipi Roy (Engineering)

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

Presentation	Students	Mentors and Other Acknowledgments
Talk #7003 presented 7/30 @ 10:00am	Azeem Ehtisham† (Polytechnic)	Xinyu Zhang (Engineering) Ehijie Ebebele (Polytechnic) Jia Lin Cheoh (Engineering)
Talk #7005 presented 7/30 @ 10:40am	Mihir Samanyu Talamudipi† (Engineering)	Kris Villez (Oak Ridge National Laboratory) David Warsinger (Engineering) David Matthew Czerwonky (Engineering)
Talk #7006 presented 7/30 @ 10:00am	Tyler Hughes† (Centers & Institutes)	Sudharshan Anandan (Engineering)
Talk #7007 presented 7/30 @ 10:20am	Samuel D Bryan† (Science) Erick Vazquez Torres† (Science)	Andy Jung (Science) Ace Rounds (Science)
Talk #7008 presented 7/30 @ 10:40am	Liliana Triscari† (Science) Aaron Lee Perrault* (Science) Miah KeAnna Sinks* (Science)	Ali Bramson (Science) Briony H Horgan (Science) Kelsey Prissel (Science)
Talk #7009 presented 7/30 @ 10:00am	Kabir Jain† (Science)	Sabine Brunswicker (Polytechnic) Jayanth Shreekumar (Engineering)
Talk #7010 presented 7/30 @ 10:20am	Julian Vuong† (Engineering) Julia Kang‡ (Engineering Science)	Shubh Parag Mehta (Engineering) Craig Goergen (Engineering) Benjamin Landis (Indiana University)
Talk #7011 presented 7/30 @ 10:40am	Taher Mustafa Mukadam† (Engineering) Mackenzie Hathaway* (Engineering JMHC)	Ali Naderi Beni (Engineering) David Warsinger (Engineering) Sandra Patricia Cordoba Renteria (Engineering)
Talk #7012 presented 7/30 @ 10:00am	Keeley Ann Rohrer† (Agriculture JMHC)	Kyle Aaron Cottrell (Agriculture) Addison Anton Young (Agriculture)
Talk #7013 presented 7/30 @ 10:20am	Mei Qi Gordon-Washington† (PWL)	Ryan George Peters (Science) Richard J Kuhn (Science)
Talk #7014 presented 7/30 @ 10:40am	Anna Boeva† (PWL)	Kristy Rochon (PWL) Samuel Hartzler (Science) Lauren Ann Metskas (Science)
Talk #7015 presented 7/30 @ 11:00am	Samridh Tiwari† (Engineering)	Om Tejas Kolhe (Engineering)
Talk #7016 presented 7/30 @ 11:20am	Alex Perry† (Engineering) Caleb Jonathan Radtke† (Engineering)	Matthew Leight (Engineering) Varun Aggarwal (Engineering) Adam Carson Lay (Engineering) Abigayle Elaine Moser (Engineering) Zachary Allen McDaniel (Engineering) Brandon C Chynoweth (Engineering) Joseph S Jewell (Engineering) Siddharth Bhatnagar (Engineering) Chandler J Moy (Engineering)
Talk #7018 presented 7/30 @ 11:00am	Vahin Pichairaj† (Engineering)	Tae Yoon Kim (Engineering) Jeffery Robert Coulter (Engineering) Andres Catalino Castillo Jimenez (Engineering)
Talk #7019 presented 7/30 @ 11:20am	Huy Bao Huynh† (Engineering)	Danial Davarnia (Engineering) Emily R Jakob (Engineering)
Talk #7020 presented 7/30 @ 11:40am	Rohan Patel† (Engineering)	Sergey Gusev (Engineering) Anja Hribljan (Engineering) David Esteban Bernal Neira (Engineering) Waire Olawolu (Engineering)
Talk #7021 presented 7/30 @ 11:00am	Chee Ying Tay† (Engineering Science)	Pranshu Maan (Engineering)
Talk #7022 presented 7/30 @ 11:20am	Helen Yee†	Craig Goergen (Engineering) Benjamin Zeidler (Engineering) Ashlyn Marie Felton (Interdisciplinary and Special Programs)
Talk #7023 presented 7/30 @ 11:40am	Michael Oscar Greenlee† (Engineering)	Brandon C Chynoweth (Engineering)
Talk #7024 presented 7/30 @ 11:00am	Yi Yang Hsu† (Engineering)	Daniel Robert Guildenbecher (Engineering) Amy Chang (Engineering)
Talk #7025 presented 7/30 @ 11:20am	Elena Pias Ferreira† (Engineering)	Wenzhuo Wu (Engineering) Pedro Henrique de Souza Barbosa (Engineering)

Presentation	Students	Mentors and Other Acknowledgments
Talk #7026 presented 7/30 @ 11:40am	Shashank Varamballi† (Engineering Science)	Leonid P Rokhinson (Science) Nuela Enebechi (Engineering)
Talk #7027 presented 7/30 @ 11:00am	Annella Bellot† (PWL) Qianyu Chen* (PWL)	Jan-Frederik Schulte (Science) Yao Yao (Science)
Talk #7028 presented 7/30 @ 11:20am	Manaswini Singh† (Science) Priya Mishra‡ (Science) Sagarika Menon‡ (Science)	Tiancong Zhu (Science) Kyung Jun Lee (Science) Christopher Antonio Ulate (Science)
Talk #7029 presented 7/30 @ 11:40am	Nicole Shashurin† (Science)	Shalini T Low-Nam (Science) Sreetama Pal (Pharmacy Science) Pradip Bajgain (Vet Med) Brendan Ball (Vet Med)
Talk #7031 presented 7/30 @ 12:20pm	Lucas K Philip† (Engineering) Samuel B Angus* (Engineering) Cory Berlin Stephenson* (Engineering)	Joseph F Pekny (Engineering) Parker Haven LaTour (Engineering) Varun Aggarwal (Engineering)
Talk #7032 presented 7/30 @ 12:40pm	Roy Liu† (Engineering)	Qi Guo (Engineering) Andres Catalino Castillo Jimenez (Engineering)
Talk #7033 presented 7/30 @ 12:00pm	Luis Mariano Avalos Campa† (Science)	Isabelle Schaekel (Science) Jonathan J Wilker (Science) David Matthew Czerwonky (Engineering)
Talk #7034 presented 7/30 @ 12:20pm	Samuel Kinstlinger† (Engineering)	Shraman Pal (Engineering) Can Li (Engineering) Waire Olawolu (Engineering)
Talk #7035 presented 7/30 @ 12:40pm	Raina Wang† (Engineering) Halaya Vann‡ (Engineering)	Chao-Hsiang Chang (Engineering) Michael T Harris (Engineering) Waire Olawolu (Engineering)
Talk #7036 presented 7/30 @ 12:00pm	Caihla Timbang† (Pharmacy JMHC)	Ellen M Schellhase (Pharmacy) Monica Miller (Pharmacy)
Talk #7037 presented 7/30 @ 12:20pm	Donovan Dewitt† (PWL)	Abigail Marie Wight (Science) Nipuni Maleesha Pannala (Science) Chittaranjan Das (Science)
Talk #7038 presented 7/30 @ 12:40pm	Jalynn Somerville† (PWL) Angel Ortiz‡ (PWL)	Ramaswamy Subramanian (Engineering Science) Trung T. Thach (Agriculture)
Talk #7039 presented 7/30 @ 12:00pm	Kevin Santiago Pineda Rojas† (PWL) Aryan Dayal‡ (Engineering) Nicholas Joseph Ostendorf‡ (Engineering)	Carlos J Martinez (Engineering)
Talk #7040 presented 7/30 @ 12:20pm	Justin Babilino† (Engineering JMHC)	Amy Chang (Engineering) Daniel Robert Guildenbecher (Engineering) David Matthew Czerwonky (Engineering)
Talk #7041 presented 7/30 @ 12:40pm	Samuel Timothy Bibeau† (Engineering)	Yu She (Engineering) Md Rakibul Islam Prince (Engineering) Monish Mahesh Lokhande (Engineering)
Talk #7042 presented 7/30 @ 12:00pm	Aaruni Singh† (Engineering)	Saeed Mohammadi (Engineering) Babak Ziaie (Engineering) Archana Dharanipragada (Engineering)
Talk #7043 presented 7/30 @ 12:20pm	Ediz Guzey† (PWL)	Shreyas Sundaram (Engineering) Younggil Chang (Engineering)
Talk #7044 presented 7/30 @ 12:40pm	Bea Olivia Cabot† (HHS Science)	Shubh Parag Mehta (Engineering) Cortland Hannah Johns (Engineering) Craig Goergen (Engineering) Benjamin Landis (Indiana University)
Talk #7045 presented 7/30 @ 1:00pm	Drake R Augustine† (Engineering) Kyle Landon Friedrich‡ (Engineering) Megan Rose Magee‡ (Engineering)	Jan-Anders E Mansson (Engineering) Adeline Nora Ripberger (Engineering) Nuela Enebechi (Engineering)
Talk #7047 presented 7/30 @ 1:40pm	Wyatt Soberg Catz†	Jaewon Park (Engineering) Justin Weibel (Engineering) Andres Catalino Castillo Jimenez (Engineering)
Talk #7048 presented 7/30 @ 1:00pm	Juan Pablo Monge Mesen† (Engineering)	Juan Camilo Osorio Pinzon (Engineering) Jhonatan Steven Rincon Angarita (Engineering) Andres Arrieta Diaz (Engineering)

Presentation	Students	Mentors and Other Acknowledgments
Talk #7050 presented 7/30 @ 1:40pm	Camila Uribe [†] (Engineering) Juan Pablo Monge Mesen [‡] (Engineering)	Juan Camilo Osorio Pinzon (Engineering) Jhonatan Steven Rincon Angarita (Engineering) Andres Arrieta Diaz (Engineering) Jorge Enrique Neira Garcia (Engineering)
Talk #7051 presented 7/30 @ 1:00pm	Atharva Bhatta [†] (Science)	Kanaga Vijayan Dhanabalan (Science) Hima bindu Kovvali (Science)
Talk #7052 presented 7/30 @ 1:20pm	Josiah W Beauchaine [†] (Science) Truman Carl Parrish [‡] (Science)	Ace Rounds (Science) Andy Jung (Science)
Talk #7053 presented 7/30 @ 1:40pm	Olivia Nicole Safranek [†] (Science) Ruoqin Rachel Yang [*] (Science)	Nicholas Noinaj (Science) Laszlo Csonka (Science) Marlyn Michelle Bush (Science) Yi Lien (Science) Nourin Ferdausi (Science)
Talk #7054 presented 7/30 @ 1:00pm	Logan M Murray [†] (Engineering)	Leopold Noel Green (Engineering) Derrick Dankwa (Engineering) Nicholas Jakalski (Engineering)
Talk #7055 presented 7/30 @ 1:20pm	William Zheng [†] Benjamin Tencza [‡] (Engineering) Nicolas Bustamante [‡] (Engineering)	Holman Lau (Engineering) Li Qiao (Engineering)
Talk #7056 presented 7/30 @ 1:40pm	Alana N White [†] (Engineering)	Rajamani P Gounder (Engineering) Sarah Gustafson Wagers (Engineering) Waire Olawolu (Engineering)
Talk #7057 presented 7/30 @ 1:00pm	Japteg Singh Bamrah [†] (Polytechnic) Charis Knoerr [†] (PWL) William K Boyer [‡] (Polytechnic) Martha Cherop Boss [‡] (Polytechnic)	Anne M Lucietto (Polytechnic)
Talk #7058 presented 7/30 @ 1:20pm	Ishaan Brar [†] (Engineering)	Ujjawal Arya (Engineering) Ganesh Subbarayan (Engineering) David Matthew Czerwony (Engineering)
Talk #7059 presented 7/30 @ 1:40pm	Maxwell J Gootee [†] (HHS Liberal Arts JMHC) Agampreet Kaur [‡] (HHS JMHC)	Jennifer Freeman (HHS) Umamaheswari Sathisaran (HHS)
Talk #7060 presented 7/30 @ 2:00pm	Isabelle Anne Hunt [†] (Engineering) Ava Fuchs [‡] (Engineering) Sachenka Katrina Angel Aranguena [‡] (Engineering) Jennifer Marie Bowles [‡] (Engineering)	Joseph Wallace (Engineering) Dyann Marie Segvich (Engineering) Olivia Nicole White (Engineering) Andres Catalino Castillo Jimenez (Engineering)
Talk #7061 presented 7/30 @ 2:20pm	Ana Martinez [†] (Science)	Jonathan Lopez (Science) Catherine L Searle (Science) Jorge Enrique Neira Garcia (Engineering)
Talk #7062 presented 7/30 @ 2:40pm	Halaya Vann [†] (Engineering) Raina Wang [‡] (Engineering)	Chao-Hsiang Chang (Engineering) Michael T Harris (Engineering) Waire Olawolu (Engineering)
Talk #7063 presented 7/30 @ 2:00pm	Samiya Balu [†] (Engineering) Sahana Mukund [‡] (Science)	Aidan Damian Pantoya (Engineering) Alejandro H Strachan (Engineering) Rushik Desai (Engineering) CJ Holdeman (Engineering)
Talk #7064 presented 7/30 @ 2:20pm	Ashwin Natarajan [†]	Abu Sayed Mohammed Sayam (HHS) Aaron James Specht (HHS) CJ Holdeman (Engineering)
Talk #7065 presented 7/30 @ 2:40pm	Jack G Darby [†] (Engineering)	Rusi P Taleyarkhan (Engineering) Stepan Ozerov (Engineering) Everett John Nally (Engineering) CJ Holdeman (Engineering)
Talk #7066 presented 7/30 @ 2:00pm	Natasha Catherine Farias Cisneros [†] (PWL)	Reem Khir (Engineering) Zoila Castillo (Universidad Tecnológica de Panamá)
Talk #7067 presented 7/30 @ 2:20pm	Jesus Esteban Ladino Giraldo [†] (PWL)	Christina R Ferreira (Centers & Institutes) Ryan T Hilger (Science) Devender Arora (Other) Venkatesh P Thirumalaikumar (Agriculture)
Talk #7068 presented 7/30 @ 2:40pm	Jeronimo Contreras Castaneda [†] (Engineering)	Ramses Martinez (Engineering)

Presentation	Students	Mentors and Other Acknowledgments
Talk #7069 presented 7/30 @ 2:00pm	Eain Drae Oot [†] (Engineering) Denyse Isingizwe [†] (Engineering)	Timothy M Whalen (Engineering)
Talk #7070 presented 7/30 @ 2:20pm	Henry Ewald [†] (Engineering) Alvin Hu [‡] (Engineering)	D. Marshall Porterfield (Agriculture Engineering)
Talk #7072 presented 7/30 @ 2:00pm	Nina Rose Hall [†] (Science)	Ximena Bernal (Science) Richa Singh (Purdue University)
Talk #7073 presented 7/30 @ 2:20pm	Ambhranee Yakkundi [†] (Science)	Chi Zhang (Science)
Talk #7074 presented 7/30 @ 2:40pm	Aindri Abhishek Singh [†] (PWL)	Shreyas Ganesan Iyer (Science) Andrea L Kasinski (Science) Digambar Kumar Waiker (Science) Alejandra Romero Alzate (Science)
Talk #7075 presented 7/30 @ 3:00pm	Carman Stanton [†] (Engineering)	Hatim Bamoumen (Engineering) Farhan Ishraque Zahin (Engineering) Kevin J Webb (Engineering)
Talk #7076 presented 7/30 @ 3:20pm	Pranav Tallapaka [†] (Engineering) Boyang Zhang [‡] (Engineering)	Jan-Anders E Mansson (Engineering) Daniel Castro Mesa (Engineering) Lipi Roy (Engineering)
Talk #7077 presented 7/30 @ 3:40pm	Ana Clara de Medeiros Morais [†] (Engineering) Dominic Nathaniel Muniz [‡] (Engineering)	Laura Helen Blumenschein (Engineering) Priyanka Balkrishna Bhovad (Engineering) Ethan Michael DeVries (Engineering) Jack Rearden Ferlazzo (Engineering) Nuela Enebechi (Engineering)
Talk #7078 presented 7/30 @ 3:00pm	Aarush Agarwal [†] (Engineering)	Linlin Li (Engineering)
Talk #7079 presented 7/30 @ 3:20pm	Aryan Daga [†] (Engineering)	Anelya Zhussupbekova (Engineering) Alberto Castillo (Engineering) Jan Olek (Engineering) Raikhan Tokpatayeva (Engineering) Varun Aggarwal (Engineering)
Talk #7080 presented 7/30 @ 3:40pm	Rishab Sai Vempati [†] (Science)	Jason Wu (Science) Nuela Enebechi (Engineering)
Talk #7081 presented 7/30 @ 3:00pm	Kaylei Lank [†] (PWL) William Scott Akert [‡] (PWL) Seyedeh Nooshan Mir mohammad ali [‡] (HHS) Brandon M Kistler [‡] (HHS) Allison Melissa Meilner Moffitt [‡] (PWL)	Annabel Biruete (HHS)
Talk #7082 presented 7/30 @ 3:20pm	Ana Susana Deng Guan [†] (PWL)	Young-Jun Son (Engineering) Seung Ho Woo (Engineering) Kamelia Sepanloo (Engineering) Seonho Woo (Engineering)
Talk #7084 presented 7/30 @ 3:20pm	Brandon Anthony Farber [†] (Engineering)	Andrew Owen Fewell (Engineering) Peter Bermel (Engineering) CJ Holdeman (Engineering)
Talk #7085 presented 7/30 @ 3:00pm	Cara Suht [†] (Science)	Miaoyuan liu (Science) Andrew James Wildridge (Science) Jack Patrick Rodgers (Science)
Talk #7087 presented 7/30 @ 3:40pm	Yutika Vasudeo Sawant [†] (Science JMHC)	Arun Kumar Mannodi Kanakkithodi (Engineering) Yi Yang (Engineering) Bipasa Samanta (Engineering)
Talk #9000 presented 7/27-7/31 virtually	Angello Bravo [†] (PWL) Shelby Stall [†] (PWL)	LJ Lumas (PWL) Frank C Bakhit (PWL)
Talk #9001 presented 7/27-7/31 virtually	Eric Jin [†] (Science JMHC) Howie Lin [†] (PWL)	Mihir Ahlawat (PWL) Haniye Kashgarani (PWL)
Talk #9002 presented 7/27-7/31 virtually	Howie Lin [†] (PWL) Eric Jin [†] (Science JMHC)	Mihir Ahlawat (PWL) Haniye Kashgarani (PWL)
Talk #9003 presented 7/27-7/31 virtually	Shelby Stall [†] (PWL) Angello Bravo [†] (PWL)	LJ Lumas (PWL) Frank C Bakhit (PWL)
Talk #9004 presented 7/27-7/31 virtually	Branden Turner [†] (PWL)	Guangzhen Jin (PWL) Bithi De (PWL)

Presentation	Students	Mentors and Other Acknowledgments
Talk #9005 presented 7/27-7/31 virtually	Utkarsh Bali† (DSB) Xuanyu Chen† (Science)	Pengyi Shi (DSB)
Talk #9006 presented 7/27-7/31 virtually	Eileen Koh† (Engineering) Olyver Fierro‡ (Engineering) Junyi Xiu* (Vanderbilt University) Nathan Grant Clark* (Engineering)	Shauna Nicole Adams (Engineering) Kerrie Douglas (Engineering) Jill Anne Folkerts (Engineering) CJ Holdeman (Engineering) Gabriella Coloyan Fleming (Purdue University)
Talk #9007 presented 7/27-7/31 virtually	Peyton Rose Collier† (Pharmacy)	Ellen M Schellhase (Pharmacy) Monica Miller (Pharmacy)
Talk #9008 presented 7/27-7/31 virtually	Shashwat Goel† (PWL) Srivalli Akella†	Sanket Goel (Bits Pilani Hyderabad Campus)
Talk #9009 presented 7/27-7/31 virtually	Ansh Grover† (Science)	Sabine Brunswicker (Polytechnic)
Talk #9010 presented 7/27-7/31 virtually	Kylie Elizabeth Hall† (Pharmacy)	Ellen M Schellhase (Pharmacy)
Talk #9011 presented 7/27-7/31 virtually	Vianca Jelu† (Science JMHC)	Qing Deng (Science) Shelly Guo Tan (Science)
Talk #9012 presented 7/27-7/31 virtually	Ikechi M Johnson† (Engineering) Lara Teresa Muniz‡ (Engineering)	Leopold Noel Green (Engineering) Luis Gabriel Montalvo Gonzalez (Science) Jeffery Godwin Chibueze Ibekwe (Engineering) Nicholas Jakalski (Engineering)
Talk #9013 presented 7/27-7/31 virtually	Emma Claire Kruyer† (Pharmacy)	Ellen M Schellhase (Pharmacy)
Talk #9014 presented 7/27-7/31 virtually	Jessica Anna Malecki† (Pharmacy)	Ellen M Schellhase (Pharmacy) Monica Miller (Pharmacy)
Talk #9015 presented 7/27-7/31 virtually	Maximilianne Manuel† (Engineering JMHC)	Michelle S Ulmer (Engineering)
Talk #9016 presented 7/27-7/31 virtually	Stefan Teodor Maxim† (Science) Arjun Sandeep Gupte‡ (Engineering) Ahmed Tarek Ibra Elmersawy‡ (Engineering) Andre Lee‡ (Engineering)	James C Davis (Engineering) Huiyun Peng (Engineering)
Talk #9017 presented 7/27-7/31 virtually	Akhil Pinnapareddy† (Liberal Arts Vet Med)	Ranjie Xu (Vet Med) Yanru Ji (Vet Med)
Talk #9018 presented 7/27-7/31 virtually	Ramya Prasanna† (Science JMHC)	Nan Kong (Engineering) Laia Vancells Lopez (Engineering) Shen Chang (Engineering)
Talk #9019 presented 7/27-7/31 virtually	Sloka Sanampudi† (Polytechnic)	Marcus K Rogers (Polytechnic) Tatiana Ringenberg (Polytechnic)
Talk #9020 presented 7/27-7/31 virtually	Eric Tang† (Science)	Shen Chang (Engineering) Nan Kong (Engineering)
Talk #9021 presented 7/27-7/31 virtually	Brooke Thornburg† (Pharmacy JMHC)	Ellen M Schellhase (Pharmacy)
Talk #9022 presented 7/27-7/31 virtually	Taylor Scott Vicente† (PWL)	Xiaoyu Liu (PWL)
Talk #9023 presented 7/27-7/31 virtually	Sahil Yadav† (PWL)	Karthik Sankaranarayanan (Agriculture Engineering) Sowmya Alichy (Agriculture)