

2026 CSM Showcase of Excellence Presentation Schedule

Session	Group	Poster Title	Faculty Course	Presentation ID
1: 9-10 am	Cassandra Perez Lemus, Claire Irasusta, Diya Taha, Morgan McLaury	Effects of Sucrose Concentration on Bacteria Found in a Nectar Biome	Arroyo, Francine BIOL 152	81458
1: 9-10 am	Kunisha Bangar, Justine Jops, Roxanna Ward, Madison Garcia	Evolution of Acinetobacter Baylyi in high salt conditions	Arroyo, Francine BIOL 152	87006
1: 9-10 am	Yune Moe, Peter Lorenz Anuada, Julissa Topete Sanchez, Nari Chang, Georgiana Hudiburgh	Biofilms said not today: How low dose antibiotics trigger biofilm formation in A. baylyi	Arroyo, Francine BIOL 152	65799
1: 9-10 am	Danya Sumrein, Samantha Ruiz, Melissa Ramirez Flores, Owen Noriega	Addressing the Antibiotic Criss: The Efficiency of Garlic at Inhibiting the Growth of Acinetobacter baylyi	Arroyo, Francine BIOL 152	66476
1: 9-10 am	Deevyam Malik	Improving the Surface Wettability of Polyurethane through Ar/O2 Mixed-Gas Plasma Modification	Hawker, Morgan	72376
1: 9-10 am	Grace Yates	Ar plasma as a tool for tuning crosslinking degree in curcumin-loaded PLA films	Hawker, Morgan CHEM 190	62650
1: 9-10 am	Grace Her	The Knockdown of Mushroom Body Neurons using MB-Switch>UAS-mtt-RNAi	Hsu, Cynthia Biol 189T 46085	64637
1: 9-10 am	Melissa Jauregui	Knockdown of mtt in Dopamine and Serotonin Neurons Using Ddc-Gal4 in Drosophila	Hsu, Cynthia Biol 189T 46085	78196
1: 9-10 am	Fionna Romans	Measuring Depression-Related Behaviors Associated with Gene Knockdown in the Drosophila Model	Hsu, Cynthia Biol 189T 46085	66090
1: 9-10 am	Sulayman Umari, Catherine Blanken, Hudson Burt	TBD (Group 1 - Afternoon)	Maitra, Kalyani CHEM 156 35753	87845
1: 9-10 am	Abelino Garza, Gurmannot Chalotra, Eliana Kahn	Group 4 Afternoon	Maitra, Kalyani CHEM 156 35753	74727
1: 9-10 am	Oscar Garcia-Maldonado, Mary Khalatyan, Leslie Mendoza	Group 5 Afternoon	Maitra, Kalyani CHEM 156 35753	93805
1: 9-10 am	Jacqueline Luna-Zurita, Nemah Alteshi, Reagan Larson	Group 2 afternoon	Maitra, Kalyani CHEM 156 35753	78756
1: 9-10 am	Naylene Velasquez, Padouachi Heu, Shireen Virk	Group 3 Afternoon	Maitra, Kalyani CHEM 156 35753	67529
1: 9-10 am	Imaandeeep Bual	Nitrogen Plasma Surface Modification of Polylactic Acid: Study of pH Shifts During Degradation	Morgan Hawker	61174
1: 9-10 am	Salvador Alvarez, Ashley Martinez, Diego Hernandez, Jocelyn Ramirez-Hernandez	Evaluating the Water Retention Capabilities in Soil Amended with Various Biochars	Murray, Brandy CSM 15	99798

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1: 9-10 am	Jennifer Xiong, Christopher Calderon, Avneet gill, Sergio Vasquez Zapata, Kara Peat	Carbon Sequestration: The Affect of Sand In Soil Carbon Storage	Murray, Brandy CSM 15	95979
1: 9-10 am	Carlos Bravo, Donovan Contreras, Maritzah Cibrian, Paola Barajas Flores, Sarita Yang	Active vs. Traditional Learning in CHEM 1A	Murray, Brandy CSM 15	65794
1: 9-10 am	Daniel Jimenez, Emily Solano, Cooper Lopez, Britzel Mendoza, Douachong Moua	Rate My Professor: Comparing Non-UC vs UC Professors	Murray, Brandy CSM 15	92604
1: 9-10 am	Hana Yang, Hannah Lopez, Karissa Garza, Zuri Ochoa, Jayquan Nguyen	Article VS. Post	Murray, Brandy CSM 15	67868
1: 9-10 am	Noah Nicholls, Noah Nicholls, Ryan Vilorio, Titus Risch, Arneet Gill, Tanner Rose	Instagram Forest	Murray, Brandy CSM 15	98825
1: 9-10 am	Sarah Her, Sebastian Avalos-Martinez, Savanna Peralez, Leslie Monserrat Abundis	nutrition health labels	Murray, Brandy CSM 15	85680
1: 9-10 am	Amrit Kaur, Sydney Diaz, Ruby Morquecho, Korra Haase	Graph Communication	Murray, Brandy CSM 15	94863
1: 9-10 am	Manuel Iraheta	Density Depend lifespan	Ross, Joseph BIOL 190	68606
1: 9-10 am	Srishti Kamboj	Investigating male frequency variation across the recombinant strains of Caenorhabditis briggsae	Ross, Joseph BIOL 190	64299
1: 9-10 am	Alyssa Stone	Effect of Temperature on Mitochondrial Inheritance in Caenorhabditis briggsae Hybrid Crosses	Ross, Joseph BIOL 190	93219
1: 9-10 am	Robert Marshall	Variation in Salinity Tolerance Among Mangrove-Associated Fungal Species from Louisiana, USA	Shaffer, Justin BIOL190 36388	69246
1: 9-10 am	Makayla Angulo, Angeles Nunez, Evelyn Casillas, Yazan Shalalkeh	Do Various TLRs Relate To Body Conditions in Finches?	Slade, Joel BIOL 137 36627	92942
1: 9-10 am	Rubi Rivera, Ava Pine, Anthony Montano, Felicia Sandoval	Does Toll-like receptor 4 (TLRs) heterozygosity predict parasitemia in house finches?	Slade, Joel BIOL 137 36627	70805
1: 9-10 am	Brianda Ruiz-Gomez, Emily Rocha, Jorge Flores, Samara Ortiz, Landin Burdeshaw	The impact of Haemosporidian Parasitemia and urbanization on House Finches	Slade, Joel BIOL 137 36627	72601
1: 9-10 am	Oscar Sanchez, Isabella Visciglio, Anneliese Roth, Serenity Vang	Comparative analysis of male and female finch morphology across urban, suburban and rural habitats	Slade, Joel BIOL 137 36627	83178
1: 9-10 am	Sydney Merriweather, Jacey Abrams, Gerardo Romero, Taylor Roth	Are WBC counts related to urbanization in house finches?	Slade, Joel BIOL 137 36627	85153

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1: 9-10 am	Alejandro Zamora Garcia, Vincent Genova, Angel Zamora, Dayeon Moon	Analyzing Differences of White Blood Cell Counts in House Finches, Lesser Goldfinches, and Pine Siskins	Slade, Joel BIOL 137 36627	80193
1: 9-10 am	Bailey Foster	"Hot" Commodities: Radioactive Fossils	Workman Ford, Kerry EES 150T 37646	80998
1: 9-10 am	Blanca Lopez	Beautiful bloody deception	Workman Ford, Kerry EES 150T 37646	74813
1: 9-10 am	Brian Penaranda	Uranium infiltration on water aquifers and soil deposits around mining areas.	Workman Ford, Kerry EES 150T 37646	95427
1: 9-10 am	Brenna Robinson	Neurodegenerative risks caused by volcanic outgassing	Workman Ford, Kerry EES 150T 37646	66733
1: 9-10 am	Hunter Tidd	Superfund sites: Environmental short-sightedness to remediation and protection	Workman Ford, Kerry EES 150T 37646	99380
2: 10-11 am	Rhett German, Brett Villarreal, Mariah Sadeddin, Aaron Cano	Spectroscopic Assay of the Creation and Recombination of F-Centers in Irradiated Sodium Chloride	Berg, Otto CHEM 111 36321	82341
2: 10-11 am	Lily Barrett, Isabella Sanchez, Brizeth Nunez	The binding affinity of DNA intercalators vs DNA groove binders as evaluated by fluorescence spectroscopy	Berg, Otto CHEM 111 36321	73204
2: 10-11 am	Aneisha Goodlow, Oscar Garcia	Suzuki Coupling Synthesis of Arylthiophene-Substituted Nitroaromatic Ethers	Berg, Otto CHEM 111 36321	85707
2: 10-11 am	Elizabeth Kirkpatrick, Samantha Luna-Cavallini, Emily Xayyamountry, Kenneth Camacho, Isaiah Yang	Energy content of the brine shrimp Artemia salina at different life stages	Berg, Otto CHEM 111 36321	74114
2: 10-11 am	John Cisneros, Tony Dias, Billy Simmanotham, Cristy Avetisyan	Effect of Microwave Irradiation on the Kinetics of Amide Formation	Berg, Otto CHEM 111 36321	74461
2: 10-11 am	Batool Abdelruhman	Characterizing the Competitive Binding of VHH10 Nanobody and Maltose to Maltose-Binding Protein	Brooks, Cory CHEM 190	87394
2: 10-11 am	Maelys Fraise, Annette Velazquez	The role of Non-Canonical Disulfide Bonds in Enzyme Inhibitory Nanobodies	Brooks, Cory CHEM 190	96827
2: 10-11 am	Sulayman Umari, Daniel Mirzaeian	The Role of Non-Canonical Disulfide Bonds in Nanobodies	Brooks, Cory CHEM 190	86902
2: 10-11 am	Natalia Mendoza, Hannah Mettee, Fatima Calderon	Non-Canonical Disulfide Bonds in Enzyme-Inhibitory Nanobodies	Brooks, Teresa CHEM 156	69551
2: 10-11 am	Victormanuel Berber-Lopez, Jesus Reveles, Cara Coombs	Noncanonical Disulfide Bonds Significance in Camelid Nanobodies	Brooks, Teresa CHEM 156	84986

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2: 10-11 am	Louise Christelle Ramos, Lisa Zhou, Daniela Ceja Barboza	Non-Canonical Disulfide Bonds in Enzyme Inhibitory Nanobodies	Brooks, Teresa CHEM 156	99985
2: 10-11 am	Alyssa Stone, Melanie Zepeda-Esquivel, Nicholas Brockie	The Role of Non-Canonical Disulfide Bonds in Enzyme Inhibitory Nanobodies	Brooks, Teresa CHEM 156	92825
2: 10-11 am	Mina Abdelmessih, Nicholas Shows	Impact of non-canonical disulfide bonds on stability of camelid antibodies	Brooks, Teresa CHEM 156	70346
2: 10-11 am	Jack Lewis	Four-Step Synthesis of a Thalidomide-Piperazine CRBN-Linker Intermediate for AR-Targeting PROTACs	Chen, Qiao-Hong CHEM 190 35610	98901
2: 10-11 am	Dayeon Moon	An SNAr-Oxidation-Suzuki Sequence to m-Nitro/o-Methylsulfone (Hetero)biaryl Sulfones	Chen, Qiao-Hong CHEM 190 35610	83907
2: 10-11 am	Daniel Hidalgo, Danya Sumrein	Structure Determination and Anti-proliferative effect of Central California Grown Hiary Fleabane on Prostate Cancer cells	Chen, Qiao-Hong CHEM 290 35621	70900
2: 10-11 am	Hannah Blackmon	Determination of the Ground-State Landscape and Electronic Excitations of Sulfamethoxazole Using DFT	Garrett, Melissa CHEM 160H 36880	67073
2: 10-11 am	Felix Breine	Synthesis and determination of the rate constant of inhibition of 2-dimethylamino-4,6-dimethyl-5-pyrimidinol using ¹⁹ F NMR peroxy radical clock	Garrett, Melissa CHEM 160H 36880	65418
2: 10-11 am	Ryan Hayashi	Impact of a computer simulation versus an immersive virtual reality approach on undergraduate student learning outcomes and perspectives in introductory chemistry	Garrett, Melissa CHEM 160H 36880	62792
2: 10-11 am	Sabrina Olmedo	Development of Dehydroabietylamine Derivatives as Potential Castration-Resistant Prostate Cancer and Triple-Negative Breast Cancer Treatments	Garrett, Melissa CHEM 160H 36880	70823
2: 10-11 am	Ziyue Xue, Anhad Kaur	To what extent does Mobile Making increase Science confidence & Interest? How does this differ based on ethnicity, gender, and grade level?	Hansen, Alexandria BIOL 190 36377	77644
2: 10-11 am	Landin Burdeshaw, Samara Ortiz	Does Facilitator Background Matter? Comparing STEM and Liberal Studies Undergraduates' Impact on Children's STEM Interest and Confidence	Hansen, Alexandria BIOL 190 36393	88483
2: 10-11 am	Yashdeep Grewal, Srishti Kamboj, Mandi Luellen, Sommer Sekhon	Temperature-dependent competition between temperate and tropical <i>Caenorhabditis briggsae</i> strains	Kendoyan, Sosse BIOL 104 35838	63954
2: 10-11 am	Israel 1, Antonio Rodriguez, Jose Villalva	Blue Oak Research JAI	Richaud, Mathieu CSM 15 36347	79030
2: 10-11 am	Dillon Unruh, Carlos Blancaz, Elijah Vasquez, Felipe Medina	California Blue Oaks and Soil Quality	Richaud, Mathieu CSM 15 36347	94630
2: 10-11 am	Anreet Aujla, Daya_Saini, Madison Enos	California Blue Oaks and Soil Quality	Richaud, Mathieu CSM 15 36347	68687

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2: 10-11 am	Celeste Garcia, Evelyn Acevedo Valdez, Hannah Von Ah, Samantha Kong	Blue Oaks and Effects on the Earth	Richaud, Mathieu CSM 15 36347	97581
2: 10-11 am	Tammy Lee, Kate Thammavong, Jenna Estrada, Leah Annette Gomez-Prado, Mary Sanchez	Soil Findings Presentation	Richaud, Mathieu CSM 15 36347	80996
2: 10-11 am	Benjamin Calonje-Quintero, Lucas Cortez, Muachin Thao	California Blue Oaks and Soil Quality	Richaud, Mathieu CSM 15 36347	82194
2: 10-11 am	Ailani Ika, Madison Earls	Group Undergraduate Research Paper	Richaud, Mathieu CSM 15 36347	75613
2: 10-11 am	David Flores-Orillana, mohammad dereieh, Jose Coronado	CSM 15 project	Richaud, Mathieu CSM 15 36347	63802
2: 10-11 am	Hanz Dominic Obana, Raul Garcia, Sergio Sanchez	Differences in Soil Quality Affect Plants.	Richaud, Mathieu CSM 15 36347	62398
2: 10-11 am	Odalys Aranda	Affects of Uranium on Human Health	Workman Ford, Kerry EES 150T 37646	67582
2: 10-11 am	Kylie Gonzalez	How heavy metals released from the soil industry affect human health.	Workman Ford, Kerry EES 150T 37646	76629
2: 10-11 am	Kellie Nakazawa	Burned into Memory: How Wildfires Can Affect Mental Health	Workman Ford, Kerry EES 150T 37646	95336
2: 10-11 am	Sydney Peters	Groundwater Contamination Across the US	Workman Ford, Kerry EES 150T 37646	80772
2: 10-11 am	Jeffrey Thibodeaux	Remediation of Leached Elements in Soil through Biochar	Workman Ford, Kerry EES 150T 37646	88357
3: 11-noon	Andrew Alvarez, Grace Her, Miso Castaneda, Merlyn Aquino, Yelena Luna	Sense Of Belonging In STEM Across Demographic Groups	Brooks, Teresa CSM 15 36268	80774
3: 11-noon	Layla Perrine, Jaci Zuniga, Nauz Vang, Eloiee Yang, Sarah Dominguez	The Adoption Divide: Public Opinion and Farmer Decision-Making on GMO Crops	Brooks, Teresa CSM 15 36268	82444
3: 11-noon	Maxine Ly, Maggie Vang, Ellianet Arbelaez, Joseph Graney, Leila Zinzun	Microplastics around the Valley	Brooks, Teresa CSM 15 36268	96072
3: 11-noon	Lucas Wong, Marcus Grijalva, Angelique Hernandez, Lupita Tafolla	Soils health with and without Biochar	Brooks, Teresa CSM 15 36268	84793
3: 11-noon	Bella Keohavong, Narriman Kiran, Katelyn Zamora, Angel Diaz	Assessing Science Motivation Among Undergraduate Students Using the Science Motivation Questionnaire II (SMQ-II)	Brooks, Teresa CSM 15 36268	62035

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3: 11-noon	Karissa Magana, Nick Madrigal, Genexis Diaz, Jaibir Gill, Estevan Caro, Annabel Saenz	Invasive Species Populations In Different Terrains and Enclosures of the Central Valley	Brooks, Teresa CSM 15 36268	99245
3: 11-noon	Talia Solak	Synthesis of a Key Alkyne Intermediate for IMTPPE-Inspired AR-Targeting PROTACs	Chen, Qiao-Hong CHEM 190 35610	80388
3: 11-noon	Jacob Rojas	Isolation of Bioactive Compounds from <i>Urtica urens</i>	Chen, Qiao-Hong CHEM 190 35615	83202
3: 11-noon	Riddhi Chatrola	A Focused Library of Nitrile- and Ester-Substituted Biaryls as Putative AR-NTD Modulators.	Chen, Qiao-Hong CHEM 290 35621	80329
3: 11-noon	Lynne Sims	Investigations of Low-Angle Coherent X-ray Scattering on Plastics	Gherase, Mihai PHYS 190 2375	97507
3: 11-noon	McKenna Abbiss	Building Community Through STEM: Exploring the Impact of the Mobile Making Program on Collaboration and Communication in Fresno Unified School Districts Youth	Hansen, Alexandria BIOL 190 36377	60552
3: 11-noon	Jennifer Simmons	Repeated Participation in Mobile Making and its Effects on Students' Confidence and Interest in STEM	Hansen, Alexandria BIOL 190 36377	74842
3: 11-noon	Reagan Larson	Influence of Substrate Placement on Functional Group Retention in 1,8-Cineole Plasma-Deposited Films	Hawker, Morgan CHEM 190	89842
3: 11-noon	Aneisha Goodlow, Ariana De La Torre, Ernesto Juarez	Group 2 Morning Session TBD	Maitra, Kalyani CHEM 156 37908	88101
3: 11-noon	Joshua Hall, Avery Ramirez, Samantha Luna-Cavallini	Group 5 Morning Section TBD	Maitra, Kalyani CHEM 156 37908	99658
3: 11-noon	Ryan Sloan, Billy Simmanotham, Cristy Avetisyan, Marisa Adame	Group 4 Morning Session TBD	Maitra, Kalyani CHEM 156 37908	74292
3: 11-noon	Lily Barrett, Isabella Sanchez, Brizeth Nunez	Group 1 Morning Section TBD	Maitra, Kalyani CHEM 156 37908	80001
3: 11-noon	Nemah Alteshi	Expression, purification, and characterization of ubiquitin for nuclear magnetic resonance (NMR)-based binding studies	Masaki Uchida and Krish Krishnan Chem 190	79882
3: 11-noon	Hannah Lee, Alvina Voon, Elizabeth Moua, Ashvin Virk, Mia Trevino	Geography, Gender, and Species Diversity: Patterns of Female Authorship in Vertebrae Taxonomy	Muller, Ulrike Biol 143 36228	76355
3: 11-noon	Christian Santos, Harpreet Dhillon, Donnel Gray, Rakesh Kode, Dayeon Moon, Dillon Moua, Bella Tumoine	From Single-Authorship to Larger Teams: How Time and Geography Shape Species Descriptions	Muller, Ulrike Biol 143 36228	85818
3: 11-noon	Angel Zamora, Lina Rodriguez, Hawwa Alshoabi	Gender Disparity in Authorship of Species Descriptions: An Analysis of Academic Age	Muller, Ulrike Biol 143 36228	79680

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3: 11-noon	Anoshka Choudhury, Prisila Gallardo, Gurleen Kaur	Who Gets Honored? Raising Awareness Through Understanding Gender Disparities in the Taxonomic World	Muller, Ulrike Biol 143 36228	84827
3: 11-noon	Samara Ortiz, Robert Marshall, Manraj Ladhar, Samantha Arredondo, Deevyam Malik, Manuel Irahete	Does Empire Predict Taxonomic Output? A Comparative Study of Four Colonial Powers	Muller, Ulrike Biol 143 36228	82726
3: 11-noon	Hend Ali, Ziyue Xue, Garry Randhawa	Who Gets Named—and Why? Gender, Geography, and Author Ties in Species Naming	Muller, Ulrike Biol 143 36228	89529
3: 11-noon	Julissa Topete Sanchez	Investigating Paternal Mitochondrial DNA Inheritance in <i>C. briggsae</i> hybrids	Ross, Joseph BIOL 190	74021
3: 11-noon	Edwin Martinez	Mollusk Microbiome	Shim, Hyunjin BIOL 190	73886
3: 11-noon	Melika Pesyan Soltani	Generative AI Models for Biological Sequences.	Shim, Hyunjin BIOL 190	88632
3: 11-noon	Xianzhi Chub	Enhanced Mn Incorporation via Multidentate Capping Ligands Produces Orange-Emitting Mn/ZnS Quantum Dots for Sensing Applications	Wei, He CHEM 102 35880	88935
3: 11-noon	Yonatan Viramontes-Ramos, Jacqueline Ortiz, Yuna Ha, Alisa Gonzalez	Magnetically Recyclable Nanoparticle Platforms for PFAS Detection and Treatment in Natural Water Systems	Wei, He CHEM 227 37166	61263
3: 11-noon	Gurshaan Mann, amrit tiwana, Juan Prado Jr	The difference of carbon in specific urban and agricultural areas on fresno state's campus	Weinman, Beth CSM 15 36179	84103
3: 11-noon	Yuritzi Bueno, Ashley Cortes, Anali Torres-Davalos, Naomi Mendez, Monique Acosta	Examining the Reality of Summer Programs and Academic Performance at Fresno State	Weinman, Beth CSM 15 36179	70905
3: 11-noon	Adrian Chavez, Farhan Khan, Jasmine Randhawa	Biochar Microscopy Study of: Pore Size, Structure, and Texture	Weinman, Beth CSM 15 36179	76568
3: 11-noon	Noah Eskandar, Freddy Rubacalva	Biochar: Water Retention	Weinman, Beth CSM 15 36179	82730
3: 11-noon	John Thao, Hayley Oke, Yaneli Rodriguez, Ryan Tovar, Hayden Estrada, Danielle Molina	The Impact of Visual Media on Non-STEM Fresno State Students Understanding of Scientific Concepts	Weinman, Beth CSM 15 36179	92358
3: 11-noon	Raavi Riar, Roua Sarama, Gurneet Kaur, Amarleen Kaur	First Year STEM Data Visualization Literacy: A Test Case With Fresno State Students	Weinman, Beth CSM 15 36179	79054
3: 11-noon	Mikaela Cui, Sophia Rivera-Chavez, Adrian Turner	Fresno State Net CO2 intake	Weinman, Beth CSM 15 36179	72026
3: 11-noon	Valarie Deniz, Ubaldo Perez	Water retention of soil w/ and w/o the use of various biochar	Weinman, Beth CSM 15 36179	83963