

First Name	Last Name	Mentor Name	Research Title
Omega	Abera	Dr. Yingqi Cai	Introducing Hydroxy Fatty Acid Synthesis Machinery Into Plant Leaf Tissues
Anvita	Agarwal	Dr. Yao Han	MARIANA – Multi-Axis Raman Imaging and Analytical System
Leslie	Agwanihu	Dr. Chisom Iwundu	Impact of Health Disparities on Maternal Mortality Rates for Black Mothers of Advanced ages
Ayah	Ahmed	Patrick Horn	Cyclic Fatty Acids in Plants
Sanjana	Anand	Dr. Mohammed Aledhari	Cross-Species Genetic Variations for Uncovering Human Health Disparities: Intersecting Genomics and Machine Learning
Mesonma	Anwasi	Dr. Xiao Li	3D Printing of Liquid Crystal Elastomers
Matheus	Azevedo Coelho Netto	David Hoenighaus	Arthropod community assembly in experimental fecal microhabitats
Shriyaa	Balaji	Dr. Ram Dantu	Is Your Legal Contract Vague? Analyzing with LLMs and Blockchain
Amanda	Bates	Emily Feldman M.S. & Dr. Danica Slavish	Exploring the Role of Insomnia Severity in the Relationship Between Sleep Quality and Negative Affect in Firefighters
Arjun	Baweja	Dr. Moo-yeal Lee	Reproducible Brain Organoid Culture On Pillar/Perfusion Plates For The Predictive Assessment Of Developmental Neurotoxicity
Akaanksha	Bedampeta	Dr. Tae-Youl Choi	Testing Thermoconductivity Differences Between Tumor Cells and Normal Cells Using Tissue Mimicking Material
Pranathi	Beeram	Dr. Mauricio Antunes	Establishing the biochemical determinants of microRNA long-distance mobility in plants
Surya	Bhamidipati	Dr. McMahan	Virtual Human Application for Doctor-Patient Interactions
Sruthi	Bharath Kumar	Dr. Mohammed Aledhari	Development of a Metabolite Biosensor as a New Approach for Psychiatric Treatment
Brianna	Branscomb	Dr. Sasha Sanders	Calling All Killer Bees: Swarm, Afrosurrealism, and Black Feminist Rage.
Carlos	Bucio	Dr. Patrick Horn	Enhancing Understanding of Polyunsaturated Fatty Acid Biosynthesis through Mutagenesis Studies
Anjita	Budhathoki	Dr. Clement T. Y. Chan	Creating Modular regulators with SmeT family members
Sky	Carlin	Dr. Vanessa Macias	Impact of Vasa Cas9 Transgene on Anopheles stephensi Mosquitoes

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Moira	Cartee	Dr. Warren Burggren and Dr. Gil Martinez-Bautista	Revealing Developmental Critical Windows for Body Mass, Length, and Cost of Development in Danio rerio
Vy	Chac	Teresa Golden	Modification of Surface Properties of Nano-Sized Spherical Silica Nanoparticles by Amino Silane Coupling Agents
Allison	Chau	Brian Meckes	Enhancing Nanoparticle Uptake Using Gradient Hydrogels
Tony	Chen	Dr. Krishna Kavi	Summary of Spectre Attacks
Vallerie	Cheng	Dr. Pudur Jagadeeswaran	Knockdown of HOX Genes Results in Thrombocytopenia in Zebrafish
Sadie	Chitwood	Dr. Jannon Fuchs	The Maturation of Oligodendrocytes Within the Corpus Callosum of Mice
Ellen	Christensen	Andrew Nelson, Elyse Zavar	Formations of Space: Formal and Informal Claims in Flood Mitigation Buyout Lots
Allie	Claville	Dr. Anondah Saide	Beyond The Veil: An Examination of Children's Grief Literature
Colton	Clemmer	Dr. Yunhe Feng	PreciseDebias: An Automatic Prompt Engineering Approach for Generative AI to Mitigate Image Demographic Biases
Amelia	Collins	Dr Jamie Johnson	Incentives and Barriers to Participation in the UNT Campus Race 2 Zero Waste
Benjamin	Conant	Dr. Nathan Hutson	Mariupol Population Density 3D Model Projections
Zoe	Crider	Dr. Anondah Saide	Parenting Attitudes Study
Kiran	Daulla	Mauricio Antunes	Molecular Cloning of Bacteriophage Adephagia Genes 20, 23, 25, and 26
Victoria	Dobbs	Douglas Root	Self-Replicating Peptides in the Origin of Nucleic Acids
Haley	Dornberger	Kent Chapman	Subcellular localization of fungal enzymes involved in penicillin G production in plants
Evangeline	Dwelle	Dr. Paul Hudak	Analyzing the Effectiveness of Austin's Watershed Regulations in Protecting Water Quality of Urban Creeks
Sanskriti	Dwivedi	Dr. Ana Alonso	Transformation Methods in Physaria fendleri
Sarthak	Engala	Serdar Bozdag	Prediction of Cell Types using Graph Contrastive Learning
Joanna	Fang	Dr. Yong Yang	The Developmental Processes and Optimal Applications of the Multi-layer Alveolus Organ Chip
Kausar	Fatima	Dr. Mauricio Antunes	Gene Cytotoxicity Analysis of Bacteriophage Adephagia
Diego	Flores	Nur Rabah	Plasmonic Photo Thermal Therapy

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Jilawan	Francis	Dr. Bill Acree	Experiment-based Abraham model solute descriptors for 2,3-dimethoxybenzoic acid from measured solubility data
Daniel	Fu	Brian Ayre	Effects of Lanolin-Based Phytohormones on Bast Fiber Development in <i>Gossypium hirsutum</i>
Saanvi	Gaddam	Dr. Brian Meckes	Light-Controlled Oligonucleotide Directed Cell Programming
Darien	Garza-Lund	Molly Atkinson	Undergraduate STEM Students' Perspectives on Navigating the Transfer Process
CHARLOTTE	GEORGE	Dr. Kelcie Slaton, PhD	Visual Merchandising Spectrum Solutions: Retail Innovation Strategies for Autistic Adults
Jacob	Goralczyk	Dr. Elizabeth Skellam	Heterologous Expression of a PKS gene from a Unique Biosynthetic gene cluster in <i>Colletotrichum spinosum</i>
Samanyu	Gudipati	Sanjukta Bhowmick	Graph Theory
Emily	Guo	Dr. Molly B. Atkinson	Understanding of Acid-Base Titrations: An Eye Tracking Study
Gustavo	Gutierrez	Dr. Patrick Horn	Classifying the proteins responsible for lipid droplet storage of cyclic fatty acids in cotton plants.
Jennifer`	Ha	Dr. Fateme Esmailie	Predicting Medical Complications using ARTificial Intelligence Machine Learning
Abigail	Hall	Dr. Elyse Zavar	The Dam Effect: The Impact of Dam Failures and Community (Re)Development
Heather	Harter	Dr. Pudur Jagadeeswaran	Characterization of par2a deficient zebrafish fish mutants.
Ciara	Hendricks	Jara Carrington	Perceptions and Use of Metaphysical Shops and Objects
Axel	Herrera	Xiaoqiang Wang	Biochemical and preliminary crystallographic studies of key enzymes involved in oxalate catabolism
Araceli	Herrera Mondragon	Dr. Duncan Weathers	Stopping of Lithium-7 ions in tissue-like matter
Kami	Hollingshead	Dr. Molly B. Atkinson	Interpretation of Infrared Spectral Data by Chemistry Students
lauren	hughes	Dr. Jannon Fuchs	Observing the relationship between CC1 and primary cilia in Oligodendrocytes
Alyssa Jesse	Hugo	Dr. Francis D'Souza	Long-Lived Excited State in Bisstyryl Nitro and Cyano BODIPY Electron Donor/Acceptor Dyads
Anna	Hung	Dr. Kingman Siu	Non-Isolated Bidirectional Buck-Boost Converter for Renewable Systems

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Danya	Husein	Emily Feldman M.S. & Dr. Danica Slavish	Exploring the Moderating Role of Insomnia on the Relationship Between Sleep Duration & Criterion D PTSD Symptoms in Firefighters
Emily	Jenkins	Dr. Jerraco Johnson	The Association between Parent's Perception and Child's Actual Motor Skills in Preschool-age Children
Joe	Joseph	Dr. Hassan Qandil	Mechanical Engineering Education Using Virtual Reality
Kely	Juan	Dr. Molly B. Atkinson	Equitable Improvement of Undergraduate STEM Student Transfer
Adithi	Kadle	Dr. Jannon Fuchs	Exploring Ciliated Oligodendrocytes as an mTOR Inhibitor for the Treatment of Tuberous Sclerosis
Trisha	Kandi	Dr. William Acree	Updated Abraham model correlations for both 2-Pentanol and 3-Methyl-1-butanol based on much larger data sets
Annika	Kang	Dr. Kimi King	Understanding Intimate Partner Violence Around the World
Ryan	Kappil	Dr. Tae-Youl Choi	Integrating Machine Learning into the Analysis of Thermal Conductivity within Water-Glycol Mixtures
Louis	Keating	Yuzhe Xiao	Depth Thermography in Micron-Scale Porous Media
alexis	kent	Dr. James Bednarz	Dispersal Movements of Marked Harris's Hawks Among Territories in South Texas
Phoebe	Kim	Dr. Yunhe Feng	Can You Trust What They See? Unmasking Bias in Multimodal AI
Nayeon	Kim	Dr. Mark Albert	Individual Tree Segmentation from LiDAR Point Cloud
Makayla	Kubasiak	Dr. Kat Aoyama	Acoustic Analysis of /s/ and /a/
Om	Kulkarni	Warren Burggren	Elucidating the Role of Senescence in Zebrafish Cardiac Recovery
Sehej	Kumar	Dr. Ting Xiao	Comprehensive Dataset Utilizing Meteorological and Topographical Feature Data For Next-Day Wildfire Spread Prediction
Dyuksha	Kunder	Dr. Gil Martinez Bautista	Phenotypic plasticity and developmental critical windows in the Zebrafish Danio rerio
Emma	Land	Jaime Baxter-Slye, Zacchaeus Compson	Percent Plant Coverage Assessment of Bison Range and Barn Owl Ridge
Tarci	Lang	Karine Narahara	Snail Anthropolgy: A Multispecies Ethnography

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Kevin	Li	Dr. Mark V. Albert	OpenTest: Implementing an Assessment Tool for Incoming MS Students in CSE
Timothy	Lim	Dr. Elizabeth Skellam	Investigating the Secondary Metabolites of <i>Sarocladium zeae</i> (<i>Acremonium zeae</i>)
Victor	Lin	Dr. Yuanxi Wang	Quantum computing with crystallographic defects: design principles from first-principles materials theory and transfer learning
Leigh	Loewenstein	Dr. Katsura Aoyama	Patterns of place and manner of articulation in young children's speech
Daphne	Lynd	Dr. Anondah Saide	Beyond the veil: Examining underrepresented identities in children's literature about death
Graciela	Lyons	Dr. Jara Carrington	The Role of NAGPRA in Art Museums
Arlene	Makia	Dr. Mark Albert	Video Sensor Sync Project
Kathryn	Mann	Dr. Kelsey Lee	The Institutional Entity: Conceptualizations and Medicalization of Disability Experiences in Northeast and Central Texas
Marian	Martinez	Dr. Molly B. Atkinson	Comparing Perspectives on Undergraduate STEM Student Transfer
Tushar Shivanand	Masti	Dr. Rebekah Purvis	Exploring Magnetic Switchbacks in Various Plasma Beta Regimes using Parker Solar Probe Observations
Marshall	Maxwell	Dr. Konstantina Kapetangianni; Dr. Katie Crowder	Anime, Japanese Vocabulary, and Phatic Speech
Anirudh	Mazumder	Dr. Rajeev Azad	Deciphering microbial shifts in the gut and lung microbiomes of COVID-19 patients
Sorrel	McCarthy	Erika Knapp	Exploring the Inclusive Teaching Practices of Secondary Choral Educators
Bailey	McCorkendale	Patrick Horn	Characterizing the proteins involved in lipid droplet packaging of cyclic fatty acids in cotton
Saanvi	Mhatre	Dr. Ting Xiao	Creating Dataset to Model Next-day Wildfire Spread Implementing Data of Topographical and Meteorological Features
Arianna	Michaud	Dr. Jara Carrington	ADHD and Gender: Lived Experiences
Liliana	Mlcak	Dr. Anondah Saide	Beyond the Vail: A content analysis of children's death literature

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Gautham	Mohanraj	Dr. Huaxiao Yang	Modeling Arrhythmogenicity of Nanopatterned hiPSC-CMs Co-Cultured with Cardiac Fibroblasts
Kennedy	Montgomery	Dr. Naomi Meier	Everything's Bigger in Texas, Including Disparities: Exploring the Intersection of Race and Geography on Pregnancy Outcomes
Saikiran	Motati	William Acree	Dr., Professor of Chemistry
Ramya	Motati	Dr. William Acree	Professor
Isha	Murugesan	Dr. Huaxiao Yang	Modulating mechanical microenvironment for modeling hypertrophic cardiomyopathy using a biocompatible and photosensitive hydrogel
Neha	Nayak	Dr. Mark V. Albert	Machine Learning based alloy design for deformation induced transformation in high entropy alloys
Abigail	Ngan	Adam (Huaxiao) Yang	Assistant Professor
Tram	Nguyen	Sydney Schoellhorn	Heterologous Expression in Aspergillus oryzae and Chemical Extraction for Secondary Metabolites
Matthew	Nguyen	Dr. April Becker	Seeking Natural Units in Multi-Organism Interactions
Funmi	Owolabi	Andrea Traylor	Comparative Analysis of Childhood Vaccine Compliance between Rural and Urban Counties in Texas
Alessandra	Palladino	Dr. Melanie Ecker	Measuring the Antimicrobial Properties of Bioactive Glasses
Kapil	Panda	Dr. Stephen Owen	Artificial Intelligence-based Analysis of Change in Public Finance between US and International Markets
Dhroov	Pandey	Dr. Sanjukta Bhowmick	Network alignment for HPC Event graph Non-Determinism detection
Deepti	Patil	Dr. Rajeev Azad	Deciphering microbial shifts in the gut and lung microbiomes of COVID-19 patients
Sasha	Peiris	Dr. Beth Link	Empowering Pedagogy: Reflective Insights on Creating Culturally Responsive Curriculum
Meghna	Penumudi	Dr. Warren Burggren, Dr. Gil Martinez Bautista	Developmental Critical Windows of Zebrafish Affecting Developmental Times
Audrey	Perry	Dr. Huaxiao Yang	Creating Complex Molds Using Hydrogel-Assisted Double Molding
Sampadaa	Prakash	Dr. Yuan Li	The Mass Distribution of Cool Clouds in Galaxy Clusters

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David	Purvis	Dr. Hao Yan	Pressure Mediated Conformational Transition in Oxygenated Dicopper Cores
Abida	Raheem	Dr. Moo-Yeal Lee	Study of Dexamethasone-Induced Depressive Disorders with 3D Neurosphere Models on a Pillar Plate
Harini	Rajmohan	Warren Burggren	Inheritance of Hypoxia Tolerance Within Zebrafish Generations: Exploring Epigenetic Factors
Justin	Ratliff	Dr. Francis D'Souza	A Spectroelectrochemical Investigation of Metal Organic Frameworks in the Context of Nitrogen Reduction Reactions
Mahith	Ravulapati	Dr. Calvin Henard	Engineering Methylococcus Capsulatus for the Synthesis of Value-Added Products
Ethan	Rebello	Dr. Serdar Bozdog	Disease Risk Prediction Using the All of Us Research Database
Kaitlyn	Reis	Dr. Kimberly Wren	Attitudes and Opinions Regarding the Native American Graves Protection and Repatriation Act
Lilley	Roane	Dr. Daphne C. Harris	Maternal Mortality in Texas: The effects on the Family system
Abigail	Rogers	Beth Link	Vulnerability in Diversity: Exploring Culturally Responsive Teaching Practiced in Art Education
Valerie	Rojas	Dr. April Becker	Super Lab OBM Performance Analysis
Luisa	Ruiz	Dr. Marcus Young	Processing of NiTiCu and NiTiHf Shape Memory Alloy Wire for Composite Structures
Lucia	Ruiz	Dr. Marcus Young	Modeling of NiTiCu and NiTiHf Shape Memory Alloy Wire Hot Rolling for Composite Structures
Alan	Samineedi	Dr. Fred McMahan	Virtual Human Application for Doctor-Patient Interaction
Kenneth	Sanders	Dr. Jincheng Du	Physical Experimentation and Atomistic Simulations of Carbon Dioxide Capture in Magnesium-containing Borosilicate Glasses
Scott	Sennetti	Sarah Crowder	Vox Populi: An Analysis of Rhetoric Used by Populist and Non-Populist Politicians
Naomy	Serrano	Dr. Samir Aouadi	An Investigation of HfC-SiC-TaC/HfC-SiC-WC Ceramic Matrix Composites Produced by Pressure less Sintering and Hot Isostatic Press
Bethany	Shaffer	Katsura Aoyama	Consonant Frequency in the Spanish Language
Zulfiqar	Shaik	Dr. Yunhe Feng	New Emoji Requests from Twitter Users
Nikita	Shanmugam	William E Acree	2-pentanol and 3-methyl-1-butanol

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Sonia	Sheth	Dr. Jannon Fuchs	Reactive Astrocytes and their Cilia Signaling in Alzheimer's Disease
Saksham	Shori	Qing Yang	Efficient Object Detection for Autonomous Vehicles
Harvey	Simpson	Dr. Patricia Cukor-Avila	Creating an Online Corpus for Rural African American English
Nehal	Singh	Dr. Yuanxi Wang	Quantum Computing with Crystallographic Defects: Design Principles from First-Principles Materials Theory and Transfer Learning
Aditya	Singirikonda	Dr. Ting Xiao	Comprehensive Dataset Utilizing Meteorological and Topographical Feature Data for Next-Day Wildfire Spread Prediction
Charchit	Sisodia	Dr. King Man Siu	Buck Converter Research Project
Jacob	Spencer	Dr. Andrey Voevodin	Laser-Induced Breakdown Spectroscopy for Graded Alloys
Cedric	Steed	Christopher Meerdo	Artistic Applications of Risograph Printing
Ella	Stinson	Chris Meerdo	Artistic Applications of Risograph Printing
Nikhil	Sunkavalli	Dr. Brian Meckes	DEVELOPING HETEROGENOUS HYDROGELS WITH CHEMICAL/PHYSICAL TUNABILITY TO IMPROVE TISSUE SIMULATION
Abby	Tian	Dr. Shengqian Ma	Controlled Drug Delivery Using Porous Liquid
Natalie	Torres	Dr. April Becker	The Importance of the Cholinergic Basal Forebrain for Attention and Learning
Marc	Torres	Dr. Melanie Ecker	Thiol-clickable gelatin-based hydrogels for 3D cell cultures
Esohe	Uzamere	Dr. Neda Habibi	Capsule Loading and Release
Simran	Verma	Dr. Nicoladie Tam	An alternative method for estimating neural activation using deoxyhemoglobin levels
Advay	Vyas	Dr. Fred McMahan	A Dynamic Video Game to Assess Personality Complexes with EEGs
Raine	Walker	Dr. Lauren Fischer	COVID-19's Implications for the Future of Public Transit
Paige	Walsh	Shenqian Ma	EPR to Scan MOFs entering proteins
Tiffany	Wilbourn	Dr. Rose Baker	Digital Applications for ADHD Symptom Management
Rita	Xing	Mohammed Aledhari	Using deep learning to identify genetic markers associated with breast cancer susceptibility
Emily	Yao	Dr. William E. Acree	Using the Abraham Model to Design Less Environmentally Hazardous Derivatives of Medicinal Molecules and Pesticides

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Aron	Yewoor	Fred McMahan	A Dynamic Video Game to Assess Personality Complexes with EEGs
Logan	Yu	Calvin Henard	Engineering Methanotrophs for the Synthesis of Value-Added Products
Hailey	Yu	Dr. Oliver Chyan	Corrosion Protection Strategies of Cu-Al Wire-bonded Devices in Ion-rich Environments
Donovan	Zhang	Dr. Yuede Ji	n Empirical Study on the Security and Privacy Threats in Container Images of HPC Infrastructure
Sunny	Zhang	Dr. Ting Xiao	Comprehensive Dataset Utilizing Meteorological and Topographical Features for Next-Day Wildfire Spread Prediction
Ashley	Zhao	Dr. Lingzi Hong	Replies to Conflict that Deescalate the Hate
Amy	Zhou	Dr. William Acree	Analyzing Environmental Effects of Polydimethylsiloxane in the Air by Comparing Abraham Solvation Parameter Model Coefficients