

2017 CSUB Student Research & Creative Activity Poster Competition Winners

Biological & Agricultural Sciences			
Undergraduate	Student Name	Title of Research Project	Faculty Advisor
1st Place Undergraduate	Martha Mazariego	Identification of Pheromones in Fresh Water and Brickisk Water Diatoms	Jeroen Gillard
2nd Place Undergraduate	Kathryn Johnston	Cell Viability Studies of Breast Cancer Cells Using Lysyl Oxidase Inhibitors	Karlo Lopez
3rd Place Undergraduate	Natalia Rangel	Detection of Coccidioides immitis in Soil Samples using a DNA and RNA Based Approach	Antje Lauer
Graduate	Student Name	Title of Research Project	Faculty Advisor
1st Place Graduate	Alex Baer	Xylem Structure and Function Relationships as Investigated within Tree Position to Vary Wood Traits in Poplar (Populus Trichocarpa)	Anna Jacobsen
2nd Place Graduate	Mitchell Coleman	Factors affecting Atriplex Polycarpa (Chenopodiaceae) Seedling Recruitment in Non-native annual Grasslands in the San Joaquin Valley of California: The role of Thatch Competition	Brandon Pratt
Engineering & Computer Sciences			
Undergraduate	Student Name	Title of Research Project	Faculty Advisor
1st Place Undergraduate	Alex Rinaldi	Super-resolution of Infrared Thermography with Neural Networks	Alberto Cruz
2nd Place Undergraduate	Korey Cain	Low-Complexity Universal Filtered Multicarrier for 5g Wireless Systems	Vida Vakilian
3rd Place Undergraduate	Amrit Singh	Face Detection for Observation Analysis and Marketing	Alberto Cruz
Physical & Mathematical Sciences			
Undergraduate	Student Name	Title of Research Project	Faculty Advisor
1st Place Undergraduate	Seungju Lee	An Implicit Solver for the One-Dimensional Buckley-Leverette Equation	Prosper Torsu
2nd Place Undergraduate	Andrew Hudson	How We Fall: Modeled Forces and their Mitigation	Brian Street

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3rd Place Undergraduate	Miguel Ochoa	Uniform Expansion of Germanium Nanomembrane for Desired Photonic Properties	Yize Li
Graduate	Student Name	Title of Research Project	Faculty Advisor
1st Place Graduate	Blake Foreshee	Geomorphic Constraints on the Evolution of the Kern Gorge	William Krugh
2nd Place Graduate	Rosetta Lottie	Synthesis of Beta-APN Derivatives for Inhibition of the LOX enzyme	Danielle Solano
Behavioral & Social Sciences			
Undergraduate	Student Name	Title of Research Project	Faculty Advisor
1st Place Undergraduate - Tie	Susie Villarreal	High-Fat Diet Blocks the Effect of Antipsychotic in Rats	Isabel Sumaya
	Devin Hagarty	Operant Novelty seeking as a Differential Predictor of Craving for Cocaine and Water Reinforcers	Amy Gancarz-Kausch
2nd Place Undergraduate	Moriah Cobb	Effects of Chronic Sucrose Exposure in Adolescence on Adult Cocaine Acquisition	Amy Gancarz-Kausch
Healthy, Nutrition, and Clinical Sciences			
Undergraduate	Student Name	Title of Research Project	Faculty Advisor
1st Place Undergraduate	Group: Errysteinn Frondarina & Anu Issac	CPHC Screening Clients: Overweight/Obesity and Diabetes Risk	Judy Pedro
2nd Place Undergraduate	Eryn Chang	Increase Physical Activity, Decrease Metabolic Syndrome	Joshua Miller & Brian Street
3rd Place Undergraduate	Group: Natali Contreras & Daniel Serrano	Metabolic Syndrome and Activity Levels in College Students: Prevalence and Individual Criterion	Joshua Miller & Brian Street
Business, Economics and Public Administration			
Undergraduate	Student Name	Title of Research Project	Faculty Advisor
1st Place Undergraduate	Anh Nguyen	Dual-class Share Structures: When is it good?	Ji Li & Di Wu