

# 9<sup>th</sup> Annual Undergraduate Research Conference Awards Winners

## Oral Session Awards

### Engineering Oral Session:

**3<sup>rd</sup> Place – Trevor Wilson and Erik O’Riley** – Visual Computer Representation for Seven Axis Manipulator – *Research Advisor, Dr. Frank Liou / Mechanical & Aerospace Engineering*

**2<sup>nd</sup> Place – Derek Schloemann** – Attachment of Peptides to Amino-Polystyrene Microspheres – *Research Advisor, Dr. Daniel Forciniti / Chemical & Biological Engineering*

**1<sup>st</sup> Place – Sam Ruesing** - Analysis of the Second Virial Coefficient of Glycosylated Proteins by Light Scattering - *Research Advisor / Dr. Daniel Forciniti / Chemical & Biological Engineering*

### Sciences Oral Session:

**3<sup>rd</sup> Place – Alex Korff** – Analyzing Critical Drinking Water Parameters in Rural India - *Research Advisor, Dr. Daniel Oerther / Civil, Arch & Environ Engr*

**2<sup>nd</sup> Place – Katie Payne** – “Insulin Neck”: Is this the Earliest Sign of Insulin Resistance?, *Dr. William Van Stoecker / Computer Science*

**1<sup>st</sup> Place – Clayton Buback and Patrick McCarver** – Assembly of Polymeric Nanoparticles in Fibers versus Clusters: Experiment and Simulation - *Research Advisor, Chariklia Sotiriou-Leventis / Chemistry*

### Arts and Humanities Oral Session:

**3<sup>rd</sup> Place – Matthew Eakins** – The Role of Women in Literature: From King Arthur to Margaret Atwood - *Research Advisor, Dr. Olivia Burgess / English & Technical Communication*

**2<sup>nd</sup> Place – Georgina Quiros** – A Brief Historiography of Joseph McCarthy and McCarthyism - *Research Advisor, Dr. Petra Dewitt / History & Political Science*

**1<sup>st</sup> Place – Nelson Shreve** – Mark Twain and Faïza Guène: the Coalescence of Style with Cause - *Research Advisor, Dr. Audra Merfeld-Langston / Arts, Languages & Philosophy*

## Poster Session Awards

### Sciences Poster Session:

**3<sup>rd</sup> Place – Hannah Frye** – Modifying Muscarinic Signaling through Mutation of the Neurotransmitter Receptor M2's G-Protein - *Research Advisor, Dr. Robert Aronstam / Biological Sciences*

**2<sup>nd</sup> Place –Kathryn Czeschin** – Kinetics of GSK3 Phosphorylation of Tau Protein - *Research Advisor, Dr. Daniel Forciniti / Chemical & Biological Engineering*

**1<sup>st</sup> Place – Colin Ryan** – Conversion of Rare Earth Doped Borate Glass to Rare Earth Phosphate Solid Solution Compounds - *Research Advisor, Dr. Richard Brow / Materials Science & Engineering*

### Arts & Humanities Poster Session:

**2<sup>nd</sup> Place – Mary Frey** – From Frontier Town to America's Playground: 50 years of Promotion by the Las Vegas Nevada Chamber of Commerce - *Research Advisor, Dr. Larry Gragg / History*

**1<sup>st</sup> Place – Laura Welsh** – The Promotion of Las Vegas by Local Newspaper Editors (1905-1950) – *Research Advisor, Dr. Larry Gragg / History*

### Research Proposal Poster Session:

**3<sup>rd</sup> Place – Tiffany Edwards** – Early Detection of Cancer Cells Using an Angiogenic Receptor in E. Coli - *Research Advisor, Dr. Westenberg and Dr. Shannon / Biological Sciences*

**2<sup>nd</sup> Place – Levi Malott and Pasha Palangpour** – Investigating Internet Usage Behavior Modeling: A Multifractal Approach - *Research Advisor, Dr. Sriram Chellappan / Computer Science*

**1<sup>st</sup> Place – Anamaria Gaitan** – E.coli Administration of GLP1 in the Presence of Glucose – *Research Advisor, Dr. David Westenberg / Biological Sciences*

### Engineering Poster Session:

**3<sup>rd</sup> Place – Yun Bai** – A study of metal properties repaired by Laser Deposition – *Research Advisor, Dr. Frank Liou / Mechanical & Aerospace Engineering*

**2<sup>nd</sup> Place – Julia Kuebrich** – Methamphetamine Contamination in Household Materials and the Effects of Skin Oil - *Research Advisor, Dr. Glenn Morisson / Civil, Architectural & Environmental Engineering*

**1<sup>st</sup> Place – Zhe Yuan** – Parameter study of polymer-flooding-enhance-oil-recovery with the use of CMG - *Research Advisor, Dr. Mingzhen Wei / Geological Sciences & Engineering*

## Poster Session Awards Continued

### Social Sciences Poster Session:

**3<sup>rd</sup> Place – Jacob Goldsmith** – The Effectiveness of an Online Plagiarism Intervention Module  
– *Research Advisor, Dr. Dr. Amber Henslee / Psychology*

**2<sup>nd</sup> Place – Samantha Kempker** – Evaluating the Acceptability of GAMMA Among Greek-affiliated Students - *Research Advisor, Dr. Amber Henslee / Psychology*

**1<sup>st</sup> Place – Emily Gardner** – Family Interactions and Mood - *Research Advisor, Dr. Don Sharpsteen / Psychology*

### 2013-14 OURE Fellows / Award Recipients:

- **Brittney Abel, Daykin Schnell, Rachel Stancil and Jordan Verslues** – Optimal Number of Factors for Choice Experiments in Mining Community Consultation/Surveying - Dr. Brandi Klein and Dr. Kwame Awuah-Offei/ Psychological Science and Mining Engineering, Research Advisors
- **Dylan Courtney** – Rate Determination of 1,3-Propanediol Production From Glycerol Utilizing Halanaerobium Hydrogenoformans - Dr. Melanie Mormile and Dr. Oliver Sitton/ Biological Sciences and Chemical and Biological Engineering, Research Advisors
- **Matthew Glascock** – Plasmonic Force Propulsion for Small Satellites - Dr. Josh Rovey and Dr. Xiaodong Yang / Mechanical Engineering and Aerospace Engineering, Research Advisors