9th Annual Undergraduate Research Conference
Awards Winners

**Oral Session Awards**

**Engineering Oral Session:**

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

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

1st Place – Sam Ruesing – Analysis of the Second Virial Coefficient of Glycosylated Proteins by Light Scattering – Research Advisor / Dr. Daniel Forcini / Chemical & Biological Engineering

**Sciences Oral Session:**

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

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

1st 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:**

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

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

1st 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:**

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

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

1st 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:**

2nd 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

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

**Research Proposal Poster Session:**

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

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

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

**Engineering Poster Session:**

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

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

1st 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:

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

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

1st 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