

# Oral Presentations

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## Session IV

Faculty Moderator: Denise Meringolo, History

## Session III

Faculty Moderator: Marc Zupan, Mechanical Engineering

1:30 – 1:45 p.m.	<b>Joshua Betz</b> “Backpropagation Analysis of Silent Cerebrovascular Disease and Cognitive Function in a Community-Dwelling Adult Sample” <b>Professor Shari Waldstein, Mentor</b> <b>Professor Tülay Adali, Mentor</b>	<b>Psychology</b>
1:45 – 2:00 p.m.	<b>Devin Burns</b> “Mechanical Properties of Electroformed Fused Deposition Modeled-Copper-Nickel Hybrid Materials” <b>Professor Marc Zupan, Mentor</b>	<b>Mechanical Engineering</b>
2:00 – 2:15 p.m.	<b>Brandon Johnson</b> “Improving Mechanical Properties of PMMA Bone Cement with Nano and Micro Particles” <b>Professor Tim Topoleski, Mentor</b>	<b>Mechanical Engineering</b>
2:15 – 2:30 p.m.	<b>Anna An</b> “Adventure in Learning the Language of Music” <b>Professor Airl Yoshioka, Mentor</b>	<b>Music</b>
2:30 – 2:45 p.m.	<b>Anastasia Feaster</b> “Hispanic Heritage Month and Hispanic Identity” <b>Professor Denise Meringolo, Mentor</b>	<b>History</b>
2:45 – 3:00 p.m.	<b>Eric Wiczorkowski</b> “Modeling the X-ray Continuum in Seyfert Galaxies” <b>Professor Ian George, Mentor</b>	<b>Physics</b>
3:00 – 3:15 p.m.	<b>Tesla Stephenson</b> “UMB24 Analogs as Potential Metamphetamine Treatments” <b>Professor Andrew Coop, Mentor</b>	<b>Chemistry</b>
3:15 – 3:30 p.m.	<b>Oluwaseun Olayiwola</b> “A Quantitative Model of Rho GTPases Network” <b>Professor Mariajose Castellanos, Mentor</b>	<b>Chemical Engineering</b>