

Presbyterian College Undergraduate Summer Research Symposium

Wednesday July 29, 2026

Presbyterian College Summer Fellows (PCSF)

South Carolina IDeA Networks of Biomedical Research Excellence (SC INBRE*)

South Carolina Independent Colleges & Universities (SCICU)

South Carolina NASA Space Grant Consortium (SC NASA)

Coffee and Refreshments | 8:45 a.m. – 9:00 a.m. | Harrington-Peachtree (HP) Lobby

Introduction & Welcome | 9:05 a.m. – 9:20 a.m. | HP 214 (Amphitheater)

Dr. Drew Brandel, Director of Summer Fellows Program, Associate Professor of Psychology

Dr. Erin S. McAdams, Provost and VP for Academic Affairs

Presentations I | 9:20 a.m. – 10:35 a.m. | HP 214 (Amphitheater)

9:20-9:45 Ezra Marks (PCSF)

Restoration of Richardson Creek: Linking Tree Communities and Creek Bank Conditions

Advisor: Sabrina Moore, Ph. D.

9:45-10:10 Garrett Oliver (PCSF)

Beyond Words: Celtic Contact and English Grammatical Shift

Advisor: Justin Brent, Ph. D.

10:10-10:35 Aisha Edmond (SC INBRE)

Carbon Monoxide Generation From Ascorbic Acid Degradation Under Fenton Conditions

Advisor: Ladie Kimberly De La Cruz, Ph. D.

Break | 10:35 a.m. – 10:45 a.m. | Harrington-Peachtree (HP) Lobby

Remarks | 10:45 a.m. – 11:00 a.m. | HP 214 (Amphitheater)

Dr. Anita O. Gustafson, President of Presbyterian College

Presentations II | 11:00 a.m. – 12:15 p.m. | HP 214 (Amphitheater)

11:00-11:25 Reagan Myers (PCSF)

Separation of Strontium Using Redox Active Ligands

Advisor: Caleb Tatebe, Ph. D.

11:25-11:50 Ayanna Hawthorne (PCSF)

Unfit for the Record: Black Women and the Archival Silences of Virginia Eugenics

Advisor: Jaclyn Sumner, Ph. D.

11:50-12:15 Carlie Edwards (SC INBRE)

Global Histone Modification Profiling Reveals Enrichment of H3K14 Acetylation Following p53/PTEN Loss

Advisor: Austin y. Shull, Ph.D.

Lunch Talk | 12:15 p.m. – 1:30 p.m. | HP 214 (Amphitheater)

Tomeika Bennett, MS, GCDF, Director of Presby First+

Poster Session | 2:00 p.m. – 3:15 p.m. | Library Reading Room (Main Floor)

Note: Posters are listed in alphabetical order by student's last name.

Walton Bost (SC INBRE)

The Mobilization of a Granular-Based, Soft-Robotic Gripper

Advisor: Eli T. Owens, Ph.D.

Dalton Carroll (SC INBRE)

Evaluating the Effectiveness of Electrodeposited Copper/Graphene as an Electrochemical Sensor for Dopamine in the Presence of Ascorbic Acid

Advisor: S. Clay Wright, Ph.D.

Aisha Edmond (SC INBRE)

Carbon Monoxide Generation From Ascorbic Acid Degradation Under Fenton Conditions

Advisor: Ladie Kimberly De La Cruz, Ph.D.

Carlie Edwards (SC INBRE)

Global Histone Modification Profiling Reveals Enrichment of H3K14 Acetylation Following p53/PTEN Loss

Advisor: Austin Y. Shull, Ph.D.

Sam Gearheart (PCSF)

Aqueous Electrodeposition of Metals on Insulating and Conducting 2D Materials

Advisor: S. Clay Wright, Ph.D.

Anna Lewallen (SCICU)

Ascorbic Acid as a ROS-Activated Scaffold for Carbon Monoxide Release

Advisor: Austin Y. Shull, Ph.D.

Mohammad Rasasi (SC INBRE)

Ascorbic Acid-Coated Gold Nanoparticles as Potential Antimicrobial Agents against E. coli.

Advisor: Latha Gearheart, Ph.D.

Courtney Williams (SC INBRE)

Computational Study of the HDAC10 E274K Mutation Effects on Structure and Enzymatic Activities

Advisor: Qi Wang, Ph.D.

Veby Youssef (SC NASA)

Magnetic Manipulation of the Granular Jamming Transition

Advisor: Eli T. Owens, Ph.D.

Group Picture (All summer programs) | 3:20 p.m. | Front steps of the Library

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