

19TH ANNUAL **COLORADO SPRINGS** UNDERGRADUATE RESEARCH FORUM

WHEN:

Saturday, April 22, 2003 8 a.m - 5 p.m.

Colorado College 14 E Cache La Poudre WHERE: Colorrado Springs, Colorado Cornerstone Arts Building and Armstrong Hall

WHAT:

This collaborative venture is designed to highlight the research and creative works of undergraduates from Pikes Peak State College, Colorado College, the United States Air Force Academy, and the University of Colorado Colorado Springs.

FOR MORE INFO: CSURF.UCCS.EDU/ REGISTRATION OPENS IN JANURARY

For more information on a specific event, directions, or disability accommodation, email Lisa Schwartz at lschwartz@coloradocollege.edu.









Armstrong Hall, Colorado College



Cornerstone Arts Center Colorado College

Keynote Address

Juan Miguel Arias, PhD

Visiting Assistant Professor, Environmental Education, Colorado College

Title: Axe Sharpening: Undergraduate research in a constantly changing world

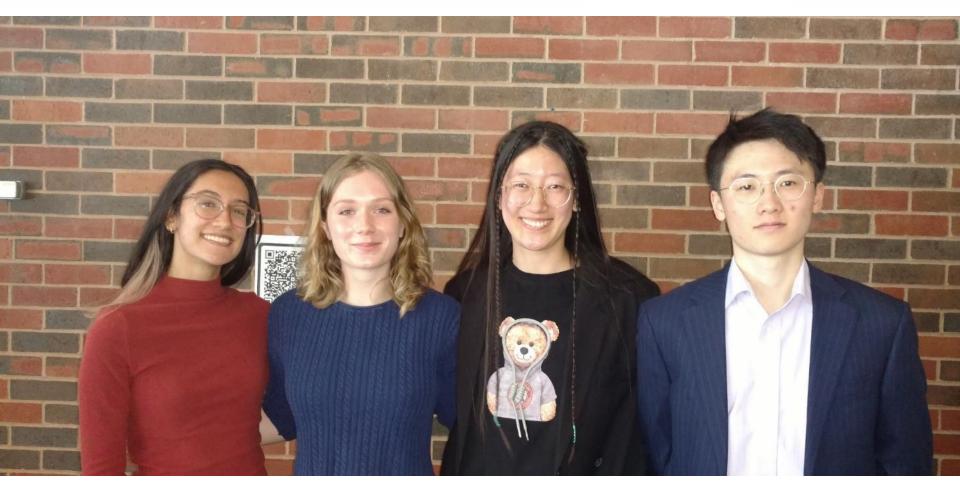


Abraham Lincoln (allegedly) once said, "If I only had an hour to chop down a tree, I would spend the first 45 minutes sharpening my axe." Taking this and any Lincoln quote with a historical grain of salt, the lesson nevertheless holds true. This is especially so in our world today, when we realize that the figurative trees we face in our work are not ones we will face for an hour but rather years and lifetimes, and that these trees are changing with every new technology and cultural pattern we create. In the face of this magnitude, undergraduate research—often the first opportunity to "add a tiny bit of knowledge to a field"—can feel at once

overwhelming and superficial. In this talk, however, I draw from psychology, education, history, environmentalism, and critical social theory to propose that the divergence of thought made possible by the undergraduates themselves doing such research is necessary for our resilience and adaptability in this constantly changing world.



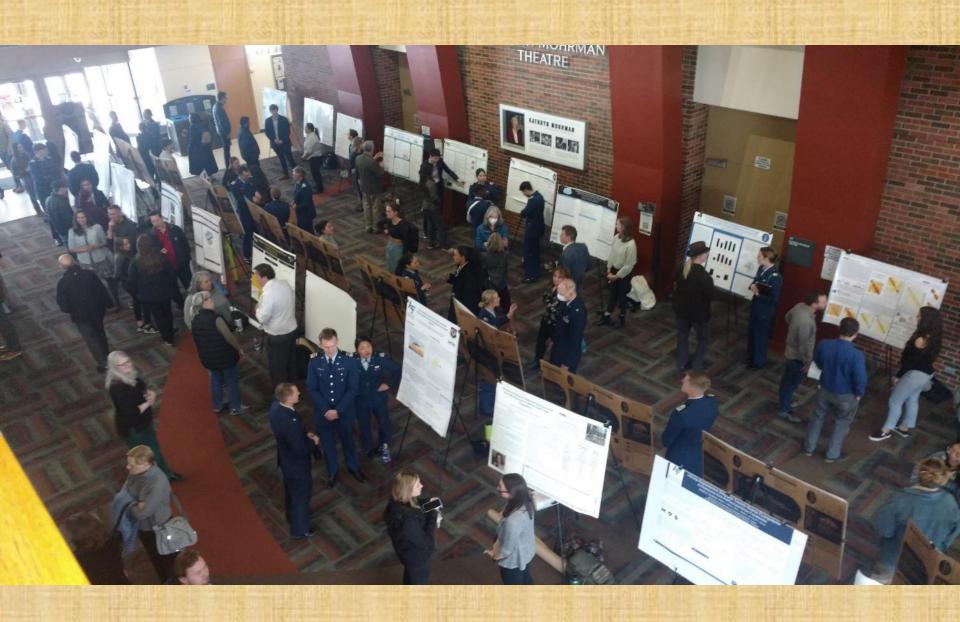




Lena Saunders Rhetta Power Zimin Guo

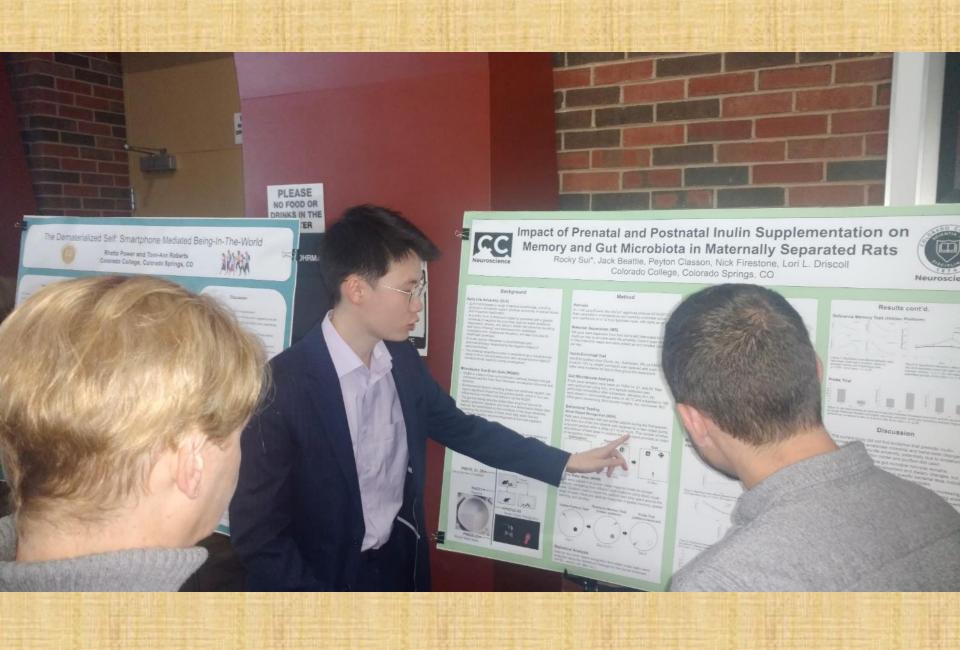
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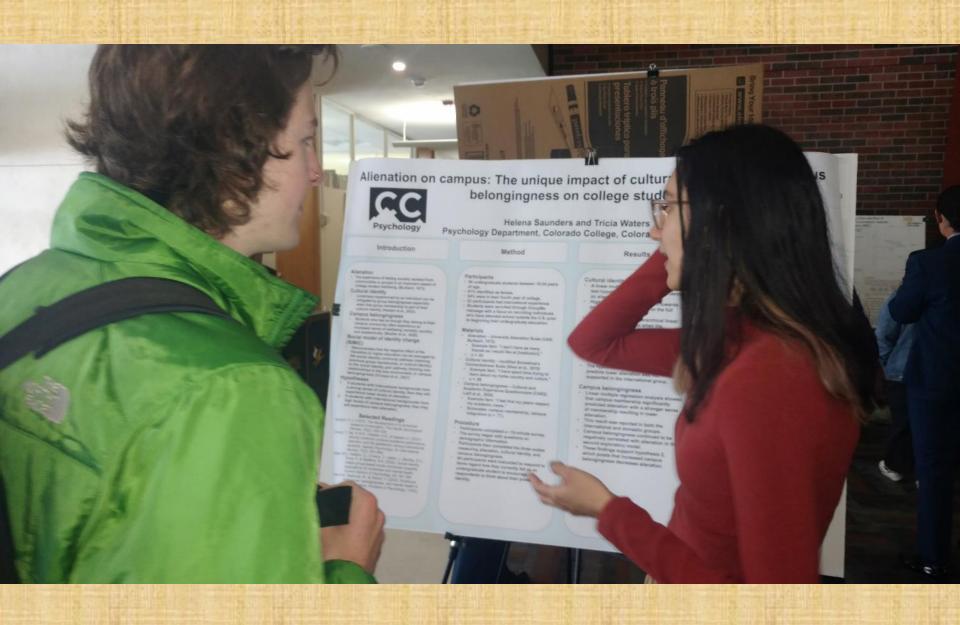


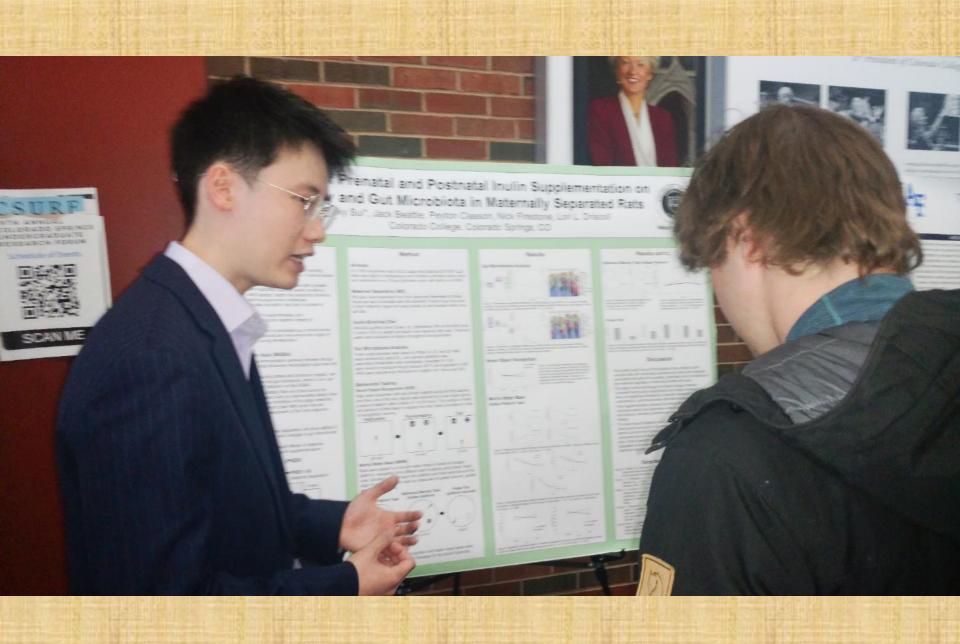














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