**HAMILTON SCHOLARS 2015 to 2016**

**SUMMER**

Veronica Flores

“Villages of the Saints: A Social Analysis of Spanish American Acculturation in New Mexico”

MENTOR: Sunday Eiselt, Anthropology

River Ribas

“Pathways through Care: Treatment Decision-Making and Drop-out for Youth with Early Psychosis”

MENTOR: Neely Myers, Anthropology

Raymond Cline

“CARe Project”

MENTOR: Chrystyna Kouros, Psychology

Madeleine Boudreaux

“Observing Mindfulness”

MENTOR: Lorelei Simpson, Psychology

Wilson Gomez

“Three Projects in Psychology”

MENTOR: Alan Brown, Psychology

Anika Reza

“Non-Governmental Organization Decision-Making in Kenya”

MENTOR: Karisa Cloward, Political Science

Keon Ebrahimi

“Mechanisms for higher-order correlations in retinal ganglion cells”

MENTOR: Andrea Barreiro, Mathematics

Joseph DiPane

“The Role of FoxP1-Regulated Genes in Cell Culture Models of Huntington Disease”

MENTOR: Santos D’Mello, Biology

**ACADEMIC YEAR 2015-2016**

**DIVISION II**

ANTHROPOLOGY

Gillian Wright

“Pathways through Care: Decision-Making and Treatment Drop-Out in Early Psychosis”

MENTOR: Neely Myers, Anthropology

Miguel Gutierrez

“Interventions for Latino/a Individuals with Psychosis”.

MENTOR: Nia Parson, Anthropology

Bethany Hicks
“Comparing Indigenous and Modern Fire Management in Southwestern US Forests”.

MENTOR: Christopher Roos, Anthropology

ECONOMICS

Tracy Nelson

“Women and Economics; Information, Aspirations and the Dismantlement of Stereotypes”.

MENTOR: Danila Serra, Economics

Emily Towler

“Women and Economics; Information, Aspirations and the Dismantlement of Stereotypes”.

MENTOR: Danila Serra, Economics

PSYCHOLOGY

Raymond Cline

“CARe Project”

MENTOR: Chrystyna Kouros, Psychology

Wilson Gomez

Glimpsing how the brain searches itself:  Semantic versus phonemic patterns in word generation

MENTOR: Alan Brown, Psychology

Lauren Pinzas

The burden of knowing too many words:  High versus low vocabulary students’ success in continuous word retrieval

MENTOR: Alan Brown, Psychology

Rosa Castillo

“Childhood Victimization and Late Adolescent Sexual Assertiveness”

MENTOR: Lorelei Rowe

Madeleine Boudreax

“Developing and Validating an Observational Coding system for Mindful Interaction between Partners in a Couple”

MENTOR: Lorelei Rowe

POLITICAL SCIENCE

Matthew Reitz

“Is Japan Militarized? Whither Japan’s Security Policy?”

MENTOR: Hiroki Takeuchi

SOCIOLOGY

Paul Armstrong FALL 2015 ONLY

“Gender at the Box Office”

MENTOR: Ann Lincoln

**DIVISION III**

BIOLOGY

Yogi Elphick

“The Influence of Pheromones on the Longevity of the Fruit Fly d. Melanogaster”

MENTOR: Johannes Bauer

Elise Mittag FALL 2015 ONLY

The Influence of Tissue-Specific Juvenile Hormone Signaling on the Longevity of the Fruit Fly D. Melanogaster

MENTOR: Johannes Bauer

Alexis Sunshine

“Expression of Multidrug Transporters in Human and Yeast Cells”

MENTOR: Pia Vogel

Averi White

“Developing Lentiviral Inhibitors of Cancer-Survival pathways to Prevent Tumorigenesis”

MENTOR: Robert Harrod

Rachel Gardner

Molecular Mechanisms of Carcinogenesis by HTLV-1 Regulatory Proteins

MENTOR: Robert Harrod

Kate Maddra

Histone Deacetylases in the Developing Mouse Brain

MENTOR: Santosh D’Mello

Joseph Di Pane

The Role of BMP and Activin Membrane Bound Inhibitor (BAMBI) and GTP Binding Protein Overexpressed in Skeletal Muscle (GEM) in Neuronal Apoptosis

MENTOR: Santosh D’Mello

Vicki Wong

“The Activities of PREs with the Regulatory Region of a Drosophila PcG Target Gene”

MENTOR: Rick Jones

Collette Marchesseault

Heterologous Expression of Multidrug Resistance Proteins”

MENTOR: John Wise

CHEMISTRY

Miguel Quimbar

“Chemiluminescent Platform for Smartphone Monitoring of Respiratory Disease”.

MENTOR: Alexander Lippert

Alex Dunaway

Determination of Halidophilicity of Copper Complexes in Protic and Acidic Media

MENTOR: Nicolay Tsarevsky

Patricia Nance

New Phosphazene Materials for Biomedical Applications

MENTOR: Patty Wisian-Neilson

MATHEMATICS

Daniel Peck

“Studies of Stability of Thin films of Aqueous Solutions

MENTOR: Vladimir Ajaev

Micah Thornton

“Quantum Algorithms for Numerical Methods”

MENTOR: Daniel Reynolds

PHYSICS

Andrew Posada

“Increasing the Sensitivity of the XIA Alpha Particle Counter”

MENTOR: Jodi Cooley

Moez Janmohammad

“Continued Studies of Environmental Factors Affecting Material Storage for Next Generation Dark Matter Experiments”.

MENTOR: Jodi Cooley

Nicole Hartman

“The Development of New Methods to Identify Higgs Bosons Dacaying to Bottom Quarks”

MENTOR: Stephen Sekula