



Hamilton Undergraduate Research Scholars for the 2012-2013

Biological Sciences

Janice Kim

Regulation of Cellular Metabolism by the Human T-cell Leukemia Virus Type-1 (HTLV-1)

Isolina Rossi

Developing Drugs for the Treatment of Multidrug-resistant Cancer

Charles Wysocki

The Role of the Pentose Phosphate Pathway to Longevity Regulation by Dietary Restriction

Chemistry

Brad Davis

Identification and Characterization of Reducing Agents Suitable for "Green" Atom Transfer

Hilary Hopkins

Regulation of Cellular Metabolism in Response to Blue-Light

Dalton Kim

New Antibacterial Materials Derived from Phosphazene Polymers

George Ross Kunkel

Design, Synthesis, and Evaluation of Antibiotics to Counter Resistant Bacteria

Kimberly Mendoza

Microwave-assisted Rapid, Low-temperature syntheses of Novel Heterocycles with Potential

Anish Patel

Dendrimer Synthesis for Drug Discovery

Earth Sciences

Stephen Tyler Armstrong

Scanning and 3D Computer Model Construction of Mosasaur Fossils and Other Specimens

Claire Jones

Laser Surface Scanning Cretaceous Fossils from Angola

Andrew Lin

Description, Biogeography and Geologic Implications of a Miocene Beaked Whale from the East Africa Rift Valley, Kenya

Katharina Marino

Stabilizing Cretaceous Crocodiles from Texas

Kathleen Masterson

Petrified Wood Survey

Economics

Jean Paul Destarac

The Eurozone Crisis: Causes and Potential Solutions

Mathematics

Brittani Boukather

Model Spaces of Gene Regulatory Networks

Elizabeth Dubret

Insect Outbreaks and Mathematical Theory of Catastrophes

Roman Stolyarov

An Efficient and Accurate Solver for Large Neural Networks

Physics

Santosh Adhikari

Optimizing Angular Asymmetry Observables at High Energy Colliders

Keith Adler

A Universal Materials Database for Low Background Experiments

Matthew Bruemmer

A Universal Materials Database for Low Background Experiments

Ben Wise

A Universal Materials Database for Low Background Experiments

Political Science

Rahfin Faruk

Insular South Asians in Japan: Cultural, Historical and Institutional Barriers

Samantha Jarvis

Language of the Law: The Influence of Law Clerks on the Content of Supreme Court Opinions

Psychology

Andrea Graham

Influence of Affective Forecasting on Exercise Motivation

Elizabeth Neil

Social Cognition Deficits in Pleasant and Unpleasant Situations

Vanessa Stevens

Investigating the Underlying Physiological and Experiential Correlates of Self-Injury

Sociology

Jessica Riley

Constructing the New Republican Woman

Statistics

Anna Skrivanek *Data Collection Via Rankes Set Sample in Two Applications*