



COLLEGE SCIENCE SCHOLARS

*A Joint Program of the Departments of
Astronomy, Biology, Chemistry, Computer Science,
Environmental Sciences, Mathematics, Physics, Psychology and Statistics*

College Science Scholars Research Symposium October 23rd, 2013, 4 - 6pm, 166 Gilmer

Jessica Yoo, 2nd Year CSS Student

“Co-crystallization of the broad range *Thermoplasma acidophilum* nucleoside kinase (TaNK) with substrates”
Mentor: Prof. Linda Columbus, UVa Biochemistry; Topic Area: Structural Genomics

Usnish Majumdar, 2nd Year CSS Student

“Caspase 3-mediated cleavage of the vacuolar proton-pumping ATPase subunit ATP6V1B2”
Mentor: Prof. James Mandell, UVa Medical Center Department of Pathology; Topic Area: Neuroscience

Debbie Pan, 2nd Year CSS Student

“Algorithmic microdeletion detection and verification in RWPE-1 and WPE1-NB26 prostate cell lines”
Mentor: Dr. Anindya Dutta, UVa SOM Department of Biochemistry and Molecular Genetics; Topic Area: Molecular Genetics

Eric Teplitz, 2nd Year CSS Student

“Novel Regulation of Cdc25C Phosphatase by CRL4^{Cdt2} E3 Ligase”
Mentor: Dr. Anindya Dutta, University of Virginia Medical School; Topic Area: Biochemistry and Molecular Genetics

Mark Gordon, 3rd Year CSS Student

“Microwave manipulation of atomic energy levels”
Mentor: Prof. Thomas Gallagher, UVa Physics; Topic Area: Atomic Physics

Haina Li, 3rd Year CSS Student

“Analytical Applications of Luminescent Lead Complexes”
Mentor: Prof. James Demas, UVa Chemistry; Topic Area: Photochemistry

Staige Davis, 4th Year CSS Student

“Can certain bumblebees defend themselves against fatal infections by parasitic fly larvae?”
Mentor: Prof. T'ai Roulston, UVa Dept. of Environmental Sciences; Topic Area: Ecology

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