

## 2012 Deans' Summer Research Fellows

Student: Mehmet Yavuz Acikalin

Mentor: Michael L. Platt (Neurobiology)

**Advertising for Monkeys: Influences of a Social-Image Based Advertising Campaign on Rhesus Macaque Choice Behavior**

Student: Sara Adam

Mentor: William Chafe (History)

**Exploring the Lived Experiences of Widows in Gituamba Slum, Nairobi, Kenya**

Student: Camille Anderson

Mentor: Charles Piot (Cultural Anthropology)

**Keeping the Togolese Public Abreast: An exploration of societal factors contributing to lack of breast cancer awareness in the lay and medical domains**

Student: Nonie Arora

Mentor: Christopher Kontos (Cardiology)

**Caskin2: A potential PP1alpha regulatory subunit**

Student: Emma Blumstein

Mentor: Brian Hare (Evolutionary Anthropology)

**Duke Canine Cognition Center: Cognitive Studies**

Student: Joel Bray

Mentor: Brian Hare (Evolutionary Anthropology)

**The development of sex differences in infant and juvenile chimpanzees (Pan troglodytes)**

Student: Laura Chao

Mentor: Claire Conceison (Theater Studies)

**Chinese Theater: Translation, Immersion, and Cultural Transmission**

## 2012 Deans' Summer Research Fellows

Student: Donald Ellis

Mentor: Michael Armstrong (Pharmacology and Cancer Biology)

**Role of Mxi1 and Mxi0 in the Pathogenesis of Neuroblastoma**

Student: Katherine Ferguson

Mentor: Alan Boudreau (Earth and Ocean Sciences)

**Sulfide distribution in the Middle Banded Series of the Stillwater Complex, Montana**

Student: Ben Finkel

Mentor: Brian Hare (Evolutionary Anthropology)

**Feeding ecology and social behavior in two chimpanzee communities at Budongo Forest Reserve, Uganda**

Student: Kelly Heo

Mentor: Hwansoo Kim (Religion)

**Moving Outside the Hermit Kingdom: Policies that Aid North Korean Adolescent Refugees in South Korean High Schools**

Student: Andrew Hickey

Mentor: Christina Meade (Global Health)

**Hepatic Tuberculosis: A Descriptive Case Series and Case-control Study among Hospitalized Adults in Durban, South Africa**

Student: Anna Huff

Mentor: Anirudh Krishna (Public Policy)

**Perceptions of Health and their Effects on Health Care Use in India and Ecuador**

Student: Nabeel Hyder

Mentor: Mohamad Mikati (Neurobiology)

**Time-course of TrkB Activation Following Perinatal Hypoxic Insult**

## 2012 Deans' Summer Research Fellows

Student: Agata Kantorowska

Mentor: Patrick Seed (Pediatrics)

**The Enteric Fungal Microbiome in Very Low Birth Weight Infants**

Student: Julianne Kolb

Mentor: John Martin (History)

**Machiavelli's Perception of Gender**

Student: Nelly Kontchou

Mentor: Luciana Fellin (Romance Studies)

**Stigma e malattia mentale: Un'indagine sociologica  
"Stigma and Mental Illness: A Sociological Survey"**

Student: Tyler Lacy

Mentor: Qiu Wang (Chemistry)

**Development of an Affinity Probe for Compound 302 that Selectively  
Eliminates Cancer Stem Cells**

Student: Rachel Leng

Mentor: Kenneth Rogerson (Public Policy)

**Changes in the Political, Social and Cultural Attitudes towards  
Homosexuality as Represented through Comrade Literature and  
Government Policies in China**

Student: Daniel Li

Mentor: Dalene Stangl (Statistical Science)

**The Role of Age in Developing Cocaine Addiction: An Analysis using  
Linear Hierarchical Models and Other Bayesian and Modern Statistical  
Methods**

Student: Carmen Lopez

Mentor: H Frederik Nijhout (Biology)

**Modeling the Transition of the E. Coli Methionine Cycle from a High to  
Low Stress Environment**

## 2012 Deans' Summer Research Fellows

Student: Shamaita Majumdar

Mentor: Susan Murphy (Obstetrics and Gynecology)

**Role of Long Noncoding H19 RNA in Ovarian Cancer**

Student: Deandra Mann

Mentor: John Martin (History)

**Anxieties of Power: Cosimo de Medici and the Politics of Art**

Student: Jackson Matteucci

Mentor: Al Goshaw (Physics)

**CERN Summer Research Opportunity**

Student: Brian McSteen

Mentor: Tony Moody (Duke Human Vaccine Institute)

**The Use of Quantum Dot Nanocrystals in Increasing the Specificity of Flowcytometric Typification in Immunological Cellular Analysis.**

Student: Emily Mendenhall

Mentor: Michael Orbach (Nicholas School of the Environment)

**Changing Policy effects on Moroccan Artisanal Fishers and Business**

Student: Sami Natour

Mentor: Michel Bagnat (Cell Biology)

**Characterization of genes involved in cell differentiation and maintenance in the developing zebrafish (*Danio rerio*) notochord**

Student: Adrienne Niederriter

Mentor: Erica Davis (Cell Biology)

**Development of in Vivo Models for the Genetic Dissection of Craniosynostosis**

Student: Hunter Nisonoff

Mentor: Ute Hochgeschwender (Neurobiology)

**Multimodal Control of Neural Circuits by Combining Optogenetics with Bioluminescence**

## 2012 Deans' Summer Research Fellows

Student: Crystal Owens

Mentor: Meng Chen (Biology)

**Phytochrome photobodies and protein degradation**

Student: Faith Robertson

Mentor: Neil Spector (Pharmacology and Cancer Biology)

**Elucidating the Biological Mechanisms Underlying the Tumor Flare Phenomenon**

Student: Maria Romano

Mentor: Charles Piot (African and African American Studies)

**Youth Migration in Togo**

Student: Sammie Truong

Mentor: Chay Kuo (Cell Biology)

**The Functional Analysis of Ependymal-Specific Genes Implicated in Rodent Postnatal Neurogenesis**

Student: Chirag Vasavda

Mentor: Vann Bennett (Cell Biology)

**Regulatory Role of 270 kDa Ankyrin-G of NDE1/NDEL1 in Epithelial Cells and Neurons**

Student: Jessica Wang

Mentor: Paulo Ferreira (Ophthalmology and Pathology)

**Characterization of Cell Death Pathways Triggered by the Genetic Ablation of RanBP2**

Student: Archer Wang

Mentor: Eileen Chow (Asian and Middle Eastern Studies)

**In Search of Chineseness**

## 2012 Deans' Summer Research Fellows

Student: Catherine Wang

Mentor: Hai Yan (Pathology)

**Role of IDH mutations in development and progression of gliomas**

Student: Joshua Weiss

Mentor: Daniel Wechsler (Pharmacology and Cancer Biology)

**THERAPEUTIC TARGETING OF CALM-AF10 NUCLEAR EXPORT IN PEDIATRIC LEUKEMIAS**

Student: Kelly Williams

Mentor: Mohammed Abou-Donia (Pharmacology and Cancer Biology)

**The Role of CaMKII in Organophosphate-Induced Neuronal Cell Death**

Student: Benfeard Williams

Mentor: Nicolas Buchler (IGSP)

**Measuring cell-cycle dynamics in budding yeast at single cell resolution**

Student: Sean Wu

Mentor: Ryan Baugh (Biology)

**Phenotypic Analysis of Candidate Antagonists to the DAF-2 Insulin-Like Receptor**

Student: Jenny Xue

Mentor: Pei Zhou (Biochemistry)

**Inhibition of Translesion Synthesis for Cancer Therapy**

Student: Sunhay You

Mentor: William Chafe (History)

**Illuminating the Present through the Past: A look into the life of Sara M. Evans**

Student: Ruth Zhang

Mentor: David Sherwood (Biology)

**Identifying adhesion proteins mediating anchor cell invasion of vulval cells in *C. elegans***

## 2012 Deans' Summer Research Fellows

Student: Yuqi Zhang

Mentor: Daniel Kiehart (Biology)

**Deciphering the molecular mechanism of morphogenesis in *Drosophila melanogaster***