



## 2010-2011 Loyola University Chicago Provost Fellows

### **Jamal Adas**

Senior, Biology

*Migratory Path of Cyanide from Cytochrome C*

Faculty Mentor: Dr. Kenneth Olsen, Chemistry

### **Christina Amaro**

Senior, Psychology

*Preschoolers' Self-Regulations and School Success: Concurrent and Longitudinal Linkages*

Faculty Mentor: Dr. Christine P. Li-Grining, Psychology

### **Zainub Ashrafi**

Senior, Psychology

*Low Income Children's Self-Regulation: Risk Factors and Promotion Processes*

Faculty Mentor: Dr. Christine P. Li-Grining, Psychology

### **Ian Barber**

Senior, Psychology

*Communication and Nonviolence: Latin American Peace Activists and US Solidarity Networks*

Faculty Mentor: Dr. Elizabeth Lozano, School of Communication

### **Brianna Biggers**

Senior, Philosophy

*Communication and Nonviolence: Latin American Peace Activists and US Solidarity Networks*

Faculty Mentor: Dr. Elizabeth Lozano, School of Communication

### **Miraj Chokshi**

Junior, Psychology

*The Effect of Personal Perceived Power on Reasoning Strategy Selection*

Faculty Mentor: Dr. Robert Morrison, Psychology

### **Amanda Cimaroli**

Junior, Social Work

*Project MENTOR*

Faculty Mentor: Dr. Julia Pryce, Social Work

### **Elizabeth Dennis**

Junior, International Studies

*South Asian Muslim American “Girl Spaces” in Chicago*  
Faculty Mentor: Dr. Marcia Hermansen, Theology

**Caitlin DeRango**

Senior, Anthropology

*Skeletal and Isotopic Indicators of Health and Identity in 19<sup>th</sup>-Century Peoria, IL*

Faculty Mentor: Dr. Rhonda Quinn, Anthropology

**Ellen Glover**

Senior, Social Work and Sociology

3 Projects: Health of Indian Women, Children and School, and Immigrant Women and Mental Health

Faculty Mentor: Dr. Shweta Singh, Social Work

**Jennifer Gomulka**

Senior, Biology

*Does Eph/ephrin Signaling Contribute to the Targeting of Sensory Nerves and Taste Bud Organization in the Embryonic, Postnatal, and Adult Rat and Mouse Tongue?*

Faculty Mentor: Dr. William Rochlin, Biology

**Vicky Ha**

Senior, Psychology and Social Work

*The Burgos Consent Decree: A Case Example of Social Work and Legal Advocacy for Child Welfare Reform*

Faculty Mentor: Dr. Maria Vidal de Haymes, Social Work

**Michael Halagan**

Senior, Bioinformatics

*Creating Consensus Sequences from Transposable Elements*

Faculty Mentor: Dr. Howard Laten, Biology

**Marguerite Hoving**

Senior, Bioinformatics

*New Data Structures for Heterogeneous Genetic Data*

Faculty Mentor: Dr. Catherine Putonti, Biology and Computer Science

**Nicole Howver**

Junior, Social Work

*The Burgos Consent Decree: A Case Example of Social Work and Legal Advocacy for Child Welfare Reform*

Faculty Mentor: Dr. Maria Vidal de Haymes, Social Work

**James (Alex)Keena**

Senior, Political Science and Anthropology

*Culture and Conflict Management*

Faculty Mentor: Dr. Molly Melin, Political Science

**Ashton Kemerling**

Junior, Computer Science and Mathematics

*Fast and Simple Computation for All Longest Common Subsequences*

Faculty Mentor: Dr. Ronald Greenberg, Computer Science

**Rachel Kooistra**

Senior, Biology

*The Role of Mitochondrion in the Survival of Plasmodium within the Mosquito*

Faculty Mentor: Dr. Stefan Kanzok, Biology

**Angelica Krajewski**

Sophomore, International Film and Media Studies

*The History and Philosophy and the Memoir in Polish Culture*

Faculty Mentor: Dr. Dan Vaillancourt, Philosophy

**Nicholas Kreifels**

Senior, Accounting and Finance

*Tunisia: Economic Success on a Struggling Continent*

Faculty Mentor, Dr. Peter Schraeder, Political Science

**Devon Langston**

Senior, English

*Peripheral Functionalization of the Novel Cyclophane N3-CTV*

Faculty Mentor: Dr. Daniel Becker, Chemistry

**Lana Larcher**

Junior, Elementary Education

*COUNTDOWN in Extracurricular Tutoring, Part II*

Faculty Mentor: Dr. Diane Schiller, Education

**Alexandra Luterek**

Junior, Psychology

*Project MENTOR*

Faculty Mentor: Dr. Julia Pryce, Social Work

**Katarzyna Majewska**

Senior, Chemistry

*Is the Air Healthy? Air Pollution and Chicago*

Faculty Mentor: Dr. Martina Schmeling, Chemistry

**Elias Majid**

Senior, Biology

*Project Victory Garden*

Faculty Mentor: Charles White, Natural Science

**Jacob Marshall**

Sophomore, Biology and Psychology  
*Study of Teen Adjustment in Affluent Communities*  
Faculty Mentor: Dr. Amy Bohnert, Psychology

**Sarah Massarani**

Junior, Biology  
*Nitrogen Cycling by Cave Bacteria*  
Faculty Mentor: Dr. Domenic Castignetti, Biology

**Nathan Meister**

Senior, Communication  
*Communication and Nonviolence: Latin American Peace Activists and US Solidarity Networks*  
Faculty Mentor: Dr. Elizabeth Lozano, School of Communication

**Amara Mian**

Junior, Biology  
*Identifying Antioxidant Genes in Plasmodium Mitochondria*  
Faculty Mentor: Dr. Stefan Kanzok, Biology

**Sophie Mir**

Junior, Psychology and Biology  
*Understanding the Socialization of Children's*  
Faculty Mentor: Dr. Christine P. Li-Grining, Psychology

**Kelsey Oseid**

Senior, Visual Communications and Sociology  
*Developing Well-Designed, Well-Researched Informational Materials to Aid Refugees and Volunteers who Serve Them*  
Faculty Mentor: Joyce Epolito, MFA, Fine Arts

**AuBre Parnicky**

Senior, Social Work  
3 Projects: Health of Indian Women, Children and School, and Immigrant Women and Mental Health  
Faculty Mentor: Dr. Shweta Singh, Social Work

**Bhavik Patel**

Senior, Biochemistry and Classical Civilizations  
*Oxygen Exiting Pathways of the Heme-PAS Domain Protein, EcDOS, of Escherichia coli*  
Faculty Mentor: Dr. Kenneth Olsen, Chemistry

**Nirav Patel**

Senior, Biology  
*Generation and Analysis of an *efna1b* Transgenic Zebrafish*

Faculty Mentor: Dr. Eric Schroeter, Biology

**Purvi Patel**

Senior, History

*Women in Academy*

Faculty Mentor: Dr. Bridget Kelly, Education

**Eric Pedone**

Senior, Biochemistry and Spanish

*Preparation of Complexes for Photodynamic Therapy*

Faculty Mentor: Dr. David Crumrine, Chemistry

**Steven Portnoy**

Junior, Psychology

*"I Love You, I Love You Not": Narcissists' Evaluation of Romantic Partners after Perceived Rejection*

Faculty Mentor: Dr. Tracy DeHart, Psychology

**Lauren Potthoff**

Senior, Psychology

*College Women and the Thin Ideal: Risk Factors Contributing to Body Image Disturbance and Low Self-Esteem*

Faculty Mentor: Dr. Scott Leon, Psychology

**Zachary Romer**

Junior, Bioinformatics

*Correlating Virus Genome Sequence Composition and Virulence*

Faculty Mentor: Dr. Catherine Putonti, Biology and Computer Science

**Joseph Saelens**

Senior, Bioinformatics

*Co-Evaluation of Flaviviruses and their Hosts*

Faculty Mentor: Dr. Catherine Putonti, Biology and Computer Science

**Patrick Schreiner**

Junior, Bioinformatics and Biology

*Evolution of Segmented RNA-based Viruses*

Faculty Mentor: Dr. Catherine Putonti, Biology and Computer Science

**Shaan Setia**

Junior, Biology

*Determination of Oxygen Pathways in R-State Hemoglobin Bound to Biophosphoglycerate*

Faculty Mentor: Dr. Kenneth Olsen, Chemistry

**Saloni Shah**

Senior, Political Science

*The Application of Democratic Principles to the Functioning of the European Union*

Faculty Mentor: Dr. Alex Grigorescu, Political Science

**Yoni (Jonathan) Siden**

Junior, Social Work, Women and Gender Studies

*Social Causation and Determinants of Risk Behavior among Men who have Sex with Men*

Mentors: Dr. John Orwat, Social Work and Dr. Michael Dentato, Social Work

**Kelly Silay**

Junior, Psychology

*Perceived Discrimination, Stigma Consciousness, and Romantic Relationship Functioning*

Faculty Mentor: Dr. Tracy DeHart, Psychology

**Maria Smith**

Senior, Psychology

*Risk Reduction Project*

Faculty Mentor: Dr. Maryse Richards

**Nausheen Syed**

Senior, Psychology

*Cognitive Development in Infants: Studies of Attention and Distractibility*

Faculty Mentor: Dr. Kathleen Kannass, Psychology

**Joseph Tasch**

Senior, Biochemistry and Mathematics

*Structural and Functional Studies for the Regulation of Bacterial Glycogen Synthesis*

Faculty Mentor: Dr. Miguel Ballicora, Chemistry

**Naomi Titean**

Junior, Elementary Education

*Extra Time for Improved Academics*

Faculty Mentor: Dr. Diane Schiller, Education

**Nishit Vora**

Senior, Anthropology and Biology

*Gas Ligand Pathways in Human Oxyhemoglobin*

Faculty Mentor: Dr. Kenneth Olsen, Chemistry

**Lauren Wedel**

Senior, Psychology

*Promoting Self Care in African American Teens with Asthma*

Faculty Mentor: Dr. Barbara Velsor-Friedrich, Nursing

**Morgan Woosley**

Senior, Biophysics

*Dose Escalation in Image-Guided Radiation Therapy (IGRT) of Lung Cancer Patients*

Faculty Mentor: Dr. Anil Sethi, Radiation Oncology, Loyola University Medical Center

**Madison Zuverink**

Senior, Biology

*Mutagenesis of Catalytic Residues of Escherichia coli ADP-glucose Pyrophosphorylase*

Faculty Mentor: Dr. Miguel Ballicora, Chemistry

