Abstract Guidelines

Please submit an approximately 250 word abstract. This abstract will appear in print in the Intersections program guide and on the web. The abstract is central to your proposal and must provide a succinct overview of your larger work (i.e. poster, paper, performance). Please discuss this with your mentor.

Please incorporate the following guidelines before submitting your abstract.

- Times New Roman, 10 point font
- At the top of the page, bold and center the proposal title
- Double-space and bold all undergraduate students’ names who will serve as presenters for this project. Provide academic majors of the student presenters.
- Provide the names and department affiliation of all others who contributed to the project.
- Double space and provide the abstract summary. Single space within the paragraph.
- Double space and italicize your faculty mentor’s name and provide the department affiliation.

If you have questions, please do not hesitate to contact Sheila Pedigo (sheila.pedigo@case.edu) or Bethany Pope (bethany.pope@case.edu) in the SOURCE office (Sears Library 451).

Sample Abstracts

Modeling the Vasopressin V2-Renal Receptor and Predicting Interaction with Non-Peptide Antagonists

Nicholas Callahan, Department of Biochemistry; Rosemarie M Dazard, Department of Biochemistry; and Menachem Shoham, Department of Biochemistry

Vasopressin is a peptide hormone implicated in kidney, heart and brain function. The Vasopressin-2 receptor is a seven-helix transmembrane G-protein coupled receptor, which plays a role in water reabsorption and vasodilatation. This research is concerned with creating a computer model of the Vasopressin-2-renal receptor, then using this model to predict how vasopressin and non-peptide antagonists dock to the receptor. We have also investigated how mutations in the receptor would alter the affinity of the antagonists to the receptor. Experiments are underway to experimentally measure the affinity of the compounds to wild type and mutant receptors. The antagonists are OPC21268, OPC31260, OPC41061 obtained from Otsuka Pharmaceuticals (Japan) and SR49059, SR121463B, and SSR149415 obtained from Sanofi Pharmaceuticals (France).

Project Mentor: Professor Menachem Shoham, Department of Biochemistry
Beyond the Lega Nord and Padanian Political Nationalism: A Cultural Explanation for Shifting Group Identities in Northern Italy

Joseph Drungil, Department of Anthropology

In recent decades the Italian state has experienced a highly controversial debate over what has been called a nationalist movement in its northern regions. The ultimate goal of this movement has been for the increased autonomy of Italy’s political regions and at times for the North’s secession from Italy into a state called “Padania”. To date, a majority of the literature concerning this movement has either focused on the Lega Nord, a predominant nationalist political party from the North, or has studied Italian nationalism through a primarily political lens. This research aims to explain the motivations behind this nationalist movement by looking beyond political and economic interests and examining the complex cultural context in which this breed of nationalism began. Patterns such as historical regional allegiances, new and old ethnic identities, rapidly-changing community structures, and a unique trajectory of industrialization have created a particular set of circumstances that has reached beyond standard political and economic interests, instead manifesting those concerns as issues of group identity.

Project Mentor: Professor Charlotte Ikels, Department of Anthropology