### Undergraduate Advising Office
**DEPARTMENT OF PSYCHOLOGY**

[http://psychology.tamu.edu](http://psychology.tamu.edu)

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**Summer 2016**

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<table>
<thead>
<tr>
<th>PROFESSOR</th>
<th>(Area)</th>
<th># NEEDED Session</th>
<th>TOPICS</th>
<th>TASKS REQUIRED</th>
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</thead>
<tbody>
<tr>
<td>Schmeichel</td>
<td>Social</td>
<td>10 week 485</td>
<td>1. Motivation, Emotion, Self-Control, Psychophysiology, Social neuroscience</td>
<td>Conducting experiments with human subjects</td>
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<tr>
<td></td>
<td></td>
<td>30 students</td>
<td></td>
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<tr>
<td>Wilcox</td>
<td>Developmental</td>
<td>10 week 485/491</td>
<td>1. Study infants and how they understand the world. Use eye tracking and optical imaging technologies</td>
<td>Updating databases, Data Collection, Subject recruitment, Creation of stimuli</td>
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<tr>
<td></td>
<td></td>
<td>10 students</td>
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<td>Yamauchi</td>
<td>Cognitive</td>
<td>SSI, SSII, and/or 10wk 485, 491</td>
<td>1. Emotion and cognition, music perception, unconscious processing</td>
<td>Designing and administering experiments, Developing stimuli, Literature search</td>
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<tr>
<td></td>
<td></td>
<td>10 students</td>
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**PLEASE NOTE**

*To enroll in a 484-485, you must discuss it with the professor and complete a contract to be turned in to the PSYC Advising Office during open registration.*
# Psychology Contact Information

**Meagher**  
[mnye09@tamu.edu](mailto:mnye09@tamu.edu)  
Psychology  
Contact Matthew Nye, graduate student  

| SSII 485 | 1. Compassion and Pain, Human Research  
10 week  
485  
PSYC or NRSC  
2 students  
| Literature reading and review  
| experimenter training  
| recording equipment  
| data cleaning and analysis  |

**Dr. Meagher**  
[meagherlab.tamu@gmail.com](mailto:meagherlab.tamu@gmail.com)  
Clinical/Neuroscience  
Requirements: Minimum 3.5 cumulative GPA and a desire to pursue graduate or professional school  

| SSII, SSII 485 | 1. Cognitive and affective components of pain perception  
10 week  
485  
4 Students  
Can be taken for PSYC or NRSC credit  
| Run experiments, data analysis, literature review, physiological testing and analysis. Motivated students have the potential to present research.  |

**Grau**  
[j-grau@tamu.edu](mailto:j-grau@tamu.edu)  
Learning/Behavioral & Cellular Neuroscience  

| SSII, SSII 485 | 2. Learning  
3. Spinal cord plasticity  
4. Recover after spinal injury  
2-3 students  
| The work is conducted using animal subjects (rats). Tasks include surgery, behavioral testing, histology, cellular assays, and data entry. We are particularly interested in students seeking careers in medicine or neuroscience. Students must have a strong GPR (> 3.5) and SAT, GRE, or MCAT scores. Because intensive training is required, we seek students who can make at least a one year commitment  |

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| Jessica Bernard  
Jessica.bernard@tamu.edu  
Cognition & Cognitive Neuroscience |
|--------------------------------------------------|
| SSII 484/485 only  
Up to 4 students |
| 1. Learning & Aging Using Neuroimaging and Brain Stimulation |
| • Students will help on a variety of studies investigating learning and aging. This work will take advantage of brain stimulation and brain imaging. Students will help primarily with running subjects on different tests on the computer, but also may help in administering the brain stimulation, as well as tests of balance. There will be a lot of time spent interacting with subjects from the subject pool, and from the Bryan-College Station community. Students will also help with entering data into spreadsheets and preparing data for analysis. |

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| Dr. Steven Smith  
Dr. Sharon Chu  
sharilyn@tamu.edu  
Cognitive/Social Psych | 3 students |
|---------------------|-----------|
| SSI& SS II  
485-491 |
| 1. The STORYLAB focuses on research at the nexus of human psychology, system interaction, and interface design. Specifically, we investigate approaches to support storytelling in all domains, and approaches to support higher-level thinking in various domains through narratively-based computational means. |
| • Dual language learning through motion-based technology  
• Meaningful game narratives to augment older adults’ cognition  
• Analysis of children’s makerspaces for Maker identity formation |

| Fields  
msferra@neo.tamu.edu  
Clinical |
|---------------------|-----------|
| SSI &SSII  
485 |
| 1. Impulsivity and Smoking/Obesity |
| • Running participants  
• Literature review  
• Data entry  
• Data analysis |

| Joseph Orr  
joseph.orr@tamu.edu  
Cognition and Cognitive Neuroscience Area |
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<tbody>
<tr>
<td>6 students</td>
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| 10 week  
485 or 491 |
| 1. Psychological and neural mechanisms underlying planning, multitasking, learning, and decision making. |
| • Students will run behavioral and human neuroscience studies, process and analyze data, and participate in journal clubs. |

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| **Vani Mathur**  
| **vmathur@tamu.edu**  
| **Social**  
| **10 week 485**  
| **2 students**  
| 1. Pain disparities  
| 2. Social and Cultural Neuroscience  
| 3. Pain Psychophysics  
| 4. fMRI  
| • Collecting data requires extensive training on psychophysical equipment  
| • Support the set up and maintenance of the lab  
| • Data entry  

| **Gerianne Alexander**  
| **ayaugher@tamu.edu**  
| **Clinical Psychology**  
| **485 SSI, SSII**  
| **4-6 students**  
| Minimum of a 2 semester commitment required  
| Must have completed PSYC 203 and 204 (or equivalent/currently enrolled)  
| Must be in good academic standing  
| Must be organized, detail oriented, and have a strong work ethic  
| 1. Brain and gender differences  
| 2. Interactions between hormones and behavior  
| 3. Gender differences in early childhood and emerging adulthood  
| 4. Developmental psychopathology  
| • Interact with participants  
| • Conduct experiments  
| • Code data and learn new software  
| • Enter data  
| • Learn Eye-Tracking Technology  
| • Other duties assigned  

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| Paul Wellman | 10 week | The Role of Nicotine Cessation on Weight Regain | Students will learn to inject high fat diet eating rats with nicotine or saline. The rats will continue to feed on high fat diet for some time following a trial period of exposure to nicotine/saline. Food intake and body weight will be monitored through the study and the effect of nicotine/saline on diet and weight will be analyzed. An antagonist will also be used to see if the changes in weight, as well as feeding behavior, can be manipulated following nicotine/saline exposure. A couple of other studies are in the works and not outlined here. |
| paul-wellman@tamu.edu | 485 | 3-4 students | |
| PSYC/BCN/NRSC | | | |

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