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

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

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**PROFESSOR**

<table>
<thead>
<tr>
<th>(Area)</th>
<th># NEEDED Session</th>
<th>TOPICS</th>
<th>TASKS REQUIRED</th>
</tr>
</thead>
</table>
| Smallman | 485, 491 | 1. Social cognition, affect, judgment and decision-making, broadly construed.  
2. Projects may include studies and research looking at counterfactual thinking, categorization, and a variety of lab-based tasks | • Running experimental sessions  
• Coding-entering data  
• Participating in discussions about ongoing lab projects  
• Attend weekly lab meetings |
| Social | 6 students | 1. Emotion and cognition | 
| | | | • Work with participants  
• Code videos  
• Enter data |
<p>| Lench | 485/491 | 1. Motivation, Emotion, Self-Control, Psychophysiology, Social neuroscience | • Conducting experiments with human subjects |
| Social | 10-15 students | | |
| Schmeichel | 485/491 | 1. Motivation, Emotion, Self-Control, Psychophysiology, Social neuroscience | |</p>
<table>
<thead>
<tr>
<th>Instructor</th>
<th>Email</th>
<th>Courses</th>
<th>Students</th>
<th>Research Description</th>
<th>Activities</th>
</tr>
</thead>
</table>
| Wilcox              | marisaeb@tamu.edu            | 485/491   | 10       | 1. Study infants and how they understand the world. Use eye tracking and optical imaging technologies | • Updating databases  
• Data Collection  
• Subject recruitment  
• Creation of stimuli |
| *Developmental*     | *contact Marisa at email above* |           |          | Application can be found at: http://goo.gl/forms/5FUJSB7xGw                           |                                                                            |
| Yamauchi            | Takashi-yamauchi@tamu.edu    | 485, 491  | 10       | 1. Emotion and cognition, music perception, unconscious processing                    | • Designing and administering experiments  
• Developing stimuli  
• Literature search |
| *Cognitive*         |                              |           |          |                                                                                       |                                                                            |
| Bergman             | mindybergman@tamu.edu        | 485       | 3        | 1. Occupational health psychology, with emphasis on sex discrimination and other forms of workplace mistreatment, women in the leadership and workplace safety | • Transcribing and coding interviews  
• Survey analysis  
• Survey programming  
• Weekly lab meetings |
| *I/O*               |                              |           |          |                                                                                       |                                                                            |
| Meagher             | mnye09@tamu.edu              | 485       | 2        | 1. Compassion and Pain, Human Research                                               | • Literature reading and review  
• experimenter training  
• recording equipment  
• data cleaning and analysis |
| *Psychology*        | *contact Matthew Nye, graduate student* | 485 PSYC or NRSC | 2        |                                                                                       |                                                                            |

**PLEASE NOTE**

To enroll in a 484-485, you must speak with the professor and complete a contract to be turned in to the PSYC Advising Office during open registration.
| Dr. Meagher | 485 | 1. Cognitive and affective components of pain perception
*Human Research |
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<thead>
<tr>
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</thead>
<tbody>
<tr>
<td><a href="mailto:meagherlab.tamu@gmail.com">meagherlab.tamu@gmail.com</a></td>
<td>4</td>
<td>Students can be taken for PSYC or NRSC credit</td>
</tr>
<tr>
<td>Clinical/Neuroscience</td>
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<tr>
<td>Requirements: Minimum 3.5 cumulative GPA and a desire to pursue graduate or professional school</td>
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| Grau | 485 | 2. Learning  
3. Spinal cord plasticity  
4. Recover after spinal injury |
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<tbody>
<tr>
<td><a href="mailto:j-grau@tamu.edu">j-grau@tamu.edu</a></td>
<td>2-3</td>
<td>students</td>
</tr>
<tr>
<td>Learning/Behavioral &amp; Cellular Neuroscience</td>
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- Run experiments, data analysis, literature review, physiological testing and analysis. Motivated students have the potential to present research.

- 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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# Learning and Decision-Making

Details: The lab examines a number of issues aimed at understanding the mechanisms and factors that influence human learning and decision-making processes. Some of the topics we will examine include how emotion, personality, and situational factors like motivation and concurrent tasks affect learning and decision-making. We will also examine the neurobiological basis of learning and decision-making by analyzing genetic polymorphisms that modulate the level of available neurotransmitters like dopamine and serotonin in brain regions like the prefrontal cortex and striatum that mediate learning and decision-making processes. Our lab will also measure eye-blink rate, which has been shown to be correlated with extracellular dopamine levels, and galvanic skin response, which has shown to be related to emotional arousal. Lab members will have the opportunity to run participants from the psychology subject pool and individuals from the community, like older adults, to investigate the effects of aging on cognitive processes.

- Conduct Experiments

**Worthy**

**worthyda@tamu.edu**

**Cognitive**

| 485, 491 | Up to 12 students |

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### Please Note

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| Dr. Steve Smith  
Dr. Sharon Chu  
sahrainly@tamu.edu  
Cognitive/Social Psych | 485/491  
3 students | 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 |
| --- | --- | --- | --- |
| Les Morey  
morery@tamu.edu  
Clinical | 485  
2 students | 1. Personality research | • Running studies using research participants from subject pool, attending lab meetings |
| Dr. Lisa Geraci  
lgeraci@tamu.edu  
Cognitive Psychology | 485 or 491  
4 students | 1. Memory, personality, education, memory, and/or age related research | • Running experiments, Entering data, Assisting in data analysis, Reading and learning about project-related literature, Helping plan or construct future investigations |
### Gerianne Alexander
**Email:** ayaugher@tamu.edu

**Clinical Psychology**

To schedule an interview, contact:

Ashley Yaugher, M.S.

**Email:** ayaugher@tamu.edu

Brain and Gender Laboratory Web-Link:
http://www.geriannealexander.com/

- 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

**485**
4–6 students

1. Brain and gender differences
2. Interactions between hormones and behavior
3. Gender differences in early childhood and emerging adulthood
4. Developmental psychopathology

### Vani Mathur
**Email:** vmathur@tamu.edu

**Social**

*a commitment of at least two semesters is required*

- Collecting data requires extensive training on psychophysical equipment
- Support the set up and maintenance of the lab
- Data entry

<table>
<thead>
<tr>
<th>485</th>
<th>16 students</th>
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</thead>
<tbody>
<tr>
<td>1. Pain disparities</td>
<td></td>
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<tr>
<td>2. Social and Cultural Neuroscience</td>
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<tr>
<td>3. Pain Psychophysics</td>
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<tr>
<td>4. fMRI</td>
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</table>

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<thead>
<tr>
<th>MacNamara</th>
<th>485/491</th>
<th>Emotion and anxiety in the brain</th>
<th>• Run neuroscience experiments, in which you will collect EEG and/or fMRI data from human participants.</th>
</tr>
</thead>
<tbody>
<tr>
<td><a href="mailto:amacnamara@tamu.edu">amacnamara@tamu.edu</a></td>
<td>Up to 15 students</td>
<td><strong>Clinical</strong></td>
<td></td>
</tr>
</tbody>
</table>

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<thead>
<tr>
<th>Vaid</th>
<th>485</th>
<th>1. Bilingualism and the mind 2. Gender and race in psychological inquiry 3. Writing systems journal editorial help</th>
<th>• Library research  • Data collection and coding  • Proofreading  • Some literature review writing</th>
</tr>
</thead>
<tbody>
<tr>
<td><a href="mailto:jvaid@tamu.edu">jvaid@tamu.edu</a></td>
<td>3-4 students</td>
<td><strong>Cognitive</strong>  <strong>Interested in WGST and/or Latino Studies minors also</strong></td>
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