<table>
<thead>
<tr>
<th>PROFESSOR (AREA)</th>
<th># NEEDED SESSION</th>
<th>TOPICS</th>
<th>TASKS REQUIRED</th>
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</thead>
</table>
| **Yamauchi**  
takashi-yamauchi@tamu.edu  
Cognition/Cognitive Neuroscience | SSI, SSII, and 10 week  
485/491  
8 Students | Computer Game, Brain Computer Interface, Machine Learning and AI, Mental Disorders | Help design, develop, and administer computer game (experiments) that assess mental disorders |
| **Brian Anderson**  
brian.anderson@tamu.edu  
lab website: https://andersonlab.sites.tamu.edu/  
Cognition/Cognitive Neuroscience | 10 week  
485  
15-18 students | Cognitive neuroscience. The lab does behavioral and neuroimaging studies examining how learning influences what people pay attention to. | Assist with lab operations, including data collection, management, and analysis. Students will also have the opportunity to attend lab meetings and contribute to discussions of research. |
| **Rachel Smith**  
Application instructions: rachelsmithlab.sites.tamu.edu  
Behavioral & Cognitive Neuroscience | 10 week  
485  
2-3 students | Neuroscience of drug addiction | Task: Lab work involves behavioral experiments with drug self-administration in rats, and histology on brain tissue. Due to the technical training needed for these tasks, requirements include 10 hours/week, 1-2 year commitment, and GPA >3.2. Can receive either PSYC or NRSC credit. |
| **MacNamara**  
| Complete form  
| https://forms.gle/pqsY3DdSyT5gCbc7  
| Clinical  
| 10 week  
| 485/491  
| Up to 15 students  
| Emotion and anxiety in the brain  
| Run neuroscience experiments, in which you will collect EEG and/or fMRI data from human participants.  

| **Schmeichel**  
| schmeichel@tamu.edu  
| Social  
| 10 week  
| 485/491  
| 30 students  
| Motivation, Emotion, Self-Control, Psychophysiology, Social neuroscience  
| Conducting experiments with human subjects  

| **Grau**  
| j-grau@tamu.edu  
| Learning/Behavioral & Cellular Neuroscience  
| 10-week  
| 485  
| 1-3 students  
| 1. Learning  
| 2. Spinal cord plasticity  
| 3. Recover after spinal injury  
| The work is conducted using animal subjects (rats). Tasks include surgery, behavioral testing, histology, cellular analysis, and data entry. We are particularly interested in students seeking careers in medicine and 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.
| Dr. Isaac Sabat  
sabatpsyclab@gmail.com  
I/O                                      | SSI, SSII and 10 week  
485  
8 students                                      | We research all aspects of diversity in employment, including but not limited to a) disclosure of stigmatized identities (e.g., LGBT, pregnancy, religious, and political orientation minorities), b) intersectionality of multiple identities (e.g., experiences of black women), and allies in the workplace. | Assist with all aspects of the research process, including literature reviews, article reviews, weekly lab meetings, study design, data collection, data analysis, and writing. |
|------------------------------------------|-------------|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Shoshana Eitan  
seitan@tamu.edu  
BCN                                      | SSII  
485/491  
3-4 students                                      | The involvement of AhR and neuroinflammation in depression (using rodent models) | Assist in Behavioral experiments, stereotaxic surgeries, mouse colony maintenance, breeding transgenic animals, genotyping, oral presentation in lab meetings. |
| Vani Mathur  
vmathur@tamu.edu  
Social & Neuroscience  
***Online application available at:  
https://goo.gl/forms/v633OwPS1RWGnXW03  
I do ask at least a 2 semester commitment.                                      | SSI, SSII, and 10 week  
485 only for first semester  
RA's  
5 students                                      | • Pain Disparities  
• Experimental Social Psychology  
• Social Modulation of Pain  
• Social and Cultural Neuroscience  
• Pain Psychophysics | 1) Collecting data requires extensive training on psychophysical equipment. Therefore, a commitment of at least two semesters is strongly recommended.  
2) Support the set up and maintenance of the lab.  
3) Data entry.  
4) Assist with literature reviews - some RAs will be working directly with graduate students and/or post-doctoral fellows on specific projects. |
| Lench          | SSI, SSII and 10 week 485/491 | Emotion and cognition | Work with participants  
Code videos  
Enter data |
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<tbody>
<tr>
<td><a href="mailto:kaitlyn.kaiser@tamu.edu">kaitlyn.kaiser@tamu.edu</a> Social</td>
<td>10-15 students</td>
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</tbody>
</table>
| Brian Albanese  
albanese@tamu.edu Clinical  
Apply via: https://tamu.qualtrics.com/jfe/form/SV_eEv4Rn4PHgKIKrg  
SSI, SSII and 10 week 485/491 | 5-6 students                 | Using event-related potentials (ERPs) and behavioral tasks to better understand risk factors for Posttraumatic Stress Disorder (PTSD), suicidal thoughts and behaviors, and related forms of psychopathology. | Undergraduate research assistants will be involved in a variety of tasks, including setting up participants with an EEG cap, running lab-based sessions with participants, processing EEG data, coding/entering data, and attending weekly lab meetings where we discuss ongoing projects and research. |
| Vaid           | SSII 485                      | 1. Bilingualism and the mind  
2. Gender and race in psychological inquiry  
3. Writing systems journal editorial help | ● Library research  
● Data collection and coding  
● Proofreading  
● Some literature review writing |
| jvaid@tamu.edu Cognitive  
**Interested in WGST and/or Latino Studies minors also** | 3-4 students                 |                       |                         |
| Heather Burte  
|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| **heather.burte@tamu.edu**  
| **Cognitive Neuroscience**  
| **Spatial Cognition:** 1. Investigating the relationship between analogies and spatial thinking. 2. Evaluating the reliability and validity of a new measure of spatial thinking in adults (and potentially, in elementary students). 3. Connecting directional knowledge and sense-of-direction in familiar large-scale environments (such as TAMU campus).  
| **10 week**  
| **485/491**  
| **2-3 students**  
| **Designing stimuli for experiments and developing experimental protocols. Data collection, data entry, and coding of data. Data analysis using SPSS, R, and/or Python. Literature reviews: reading and interpreting articles. Attending weekly meetings.**  
| **Rebecca Brooker  
|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| **domelab@tamu.edu**  
| **Developmental Psychology**  
| **Research interests in our lab include developmental affective neuroscience, individual differences in emotional reactivity and regulation, interplay between biological and environmental factors of development, and the effects of context on emotional behavior and physiological reactivity during the toddler and pre-Kindergarten years.**  
| **SSI, SSII and 10 week**  
| **485 only for first semester RA's**  
| **2-3 students**  
| **•preparing materials for laboratory visits with children and families  
•administering standardized paradigms with research participants  
•coding, scoring, and entering collected data  
•gaining an understanding of multiple psychophysiological techniques  
•reading empirical articles from the field of developmental science  
•attending weekly lab meetings**

**Apply Via:**  
https://docs.google.com/forms/d/e/1FAIpQLSeOCkJe1TPTXWbztz-bW5P_vVbuGe6SctVR-iLwbcnHCAGYg/viewform
<table>
<thead>
<tr>
<th>Dr. Winfred Arthur, Jr.</th>
<th>10 Week</th>
<th>Proctor in-person data collection sessions</th>
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<tbody>
<tr>
<td><a href="mailto:w-arthur@tamu.edu">w-arthur@tamu.edu</a></td>
<td>485</td>
<td>Prepare study documents and materials</td>
</tr>
<tr>
<td>Industrial-Organizational Psychology</td>
<td>8 students</td>
<td>Data entry and management</td>
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<tr>
<td>Interested students should complete our application using this link</td>
<td>Training; selection and assessment</td>
<td>Perform statistical analyses</td>
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<tr>
<td><a href="https://forms.gle/VhxuwDdbygT2kUoUA">https://forms.gle/VhxuwDdbygT2kUoUA</a></td>
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<td>Conduct literature reviews</td>
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<td>Participate in training activities and meetings</td>
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<tr>
<td>Vaid</td>
<td>1. Bilingualism and the mind</td>
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<tr>
<td><a href="mailto:jvaid@tamu.edu">jvaid@tamu.edu</a></td>
<td>2. Gender and race in psychological inquiry</td>
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<tr>
<td>Cognitive</td>
<td>3. Writing systems journal editorial help</td>
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- **Library research**
- **Data collection and coding**
- **Proofreading**
- **Some literature review writing**

| SSII 485         | 3-4 students |

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<th>Joseph Orr</th>
<th>10 week</th>
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<td>Cognition &amp; Cognitive Neuroscience</td>
<td>485/ 491</td>
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<tr>
<td>If you are interested in working in the lab, please complete this application:</td>
<td>3-4 students</td>
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Research assistants will perform a variety of tasks based on interests and prior experience. Possible tasks include: website design, coding and analyzing qualtrics questionnaires, administering and analyzing eye tracking experiments, setting up and analyzing EEG studies, escorting participants to the brain imaging center, performing literature reviews, performing quality control of behavioral and brain data, coding behavioral tasks, and writing analysis scripts.

| We prefer people available 2-3 credits and who are available 2 or more semesters. | |