



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

<http://psychology.tamu.edu>

**Summer 2018**

PROFESSOR (Area)	# NEEDED Session	TOPICS	TASKS REQUIRED
<b>Schmeichel</b> <a href="mailto:schmeichel@tamu.edu">schmeichel@tamu.edu</a> <b>Social</b>	<b>10 Week only</b> 485/491 30 students	1. Motivation, Emotion, Self-Control, Psychophysiology, Social neuroscience	<ul style="list-style-type: none"> <li>• Conducting experiments with human subjects</li> </ul>
<b>Yamauchi</b> <a href="mailto:yamauchi@tamu.edu">Takashi-yamauchi@tamu.edu</a> <b>Cognitive</b>	SSI and SSII 485, 491 10 students	1. Emotion and cognition, music perception, unconscious processing	<ul style="list-style-type: none"> <li>• Designing and administering experiments</li> <li>• Developing stimuli</li> <li>• Literature search</li> </ul>
<b>Grau</b> <a href="mailto:j-grau@tamu.edu">j-grau@tamu.edu</a> <b>Learning/Behavioral &amp; Cellular Neuroscience</b>	SSI, SSII and 10 Week 485 2-3 students	1. Learning 2. Spinal cord plasticity 3. Recover after spinal injury	<ul style="list-style-type: none"> <li>• 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 (&gt; 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</li> </ul>

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<p><b>Carlos Bolanos</b>  <a href="mailto:bolanos-guzman@tamu.edu">bolanos-guzman@tamu.edu</a>  <b>Neuroscience</b></p>	<p>485/491            SSI, SSII and            10 week              2-3 students</p>	<p>Mechanisms of stress and antidepressant response.</p>	<p>Student will work closely with senior graduate students offering support in daily tasks, learning behavioral and molecular techniques, as well as collecting and analyzing data.</p>
<p><b>Rachel Smith</b>  <a href="mailto:rachelsmith@tamu.edu">rachelsmith@tamu.edu</a>            website: <a href="http://rachelsmithlab.sites.tamu.edu">rachelsmithlab.sites.tamu.edu</a>  <b>Behavioral &amp; Cellular Neuroscience</b></p>	<p><b>10 week only</b>            485            2-3            students</p>	<p>Neuroscience of drug addiction</p>	<p>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 &gt;3.2. Can receive either PSYC or NRSC credit.</p>
<p><b>Jessica Bernard</b>  <a href="mailto:Jessica.bernard@tamu.edu">Jessica.bernard@tamu.edu</a>  <b>Cognition &amp; Cognitive Neuroscience</b></p>	<p>SSI and SSII            484/485            only              Up to 4            students</p>	<p>1. Learning &amp; Aging Using Neuroimaging and Brain Stimulation</p>	<ul style="list-style-type: none"> <li>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.</li> </ul>

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<p><b>Dr. Isaac Sabat</b>  <a href="mailto:sabatpsyclab@gmail.com">sabatpsyclab@gmail.com</a>  <b>Industrial/Organizational</b></p>	<p><b>10 week only</b>  485  8  students</p>	<p>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.</p>	<p>Assist with all aspects of the research process, including literature reviews, article reviews, weekly lab meetings, study design, data collection, data analysis, and writing.</p>
<p><b>Brian Anderson</b>  <a href="mailto:brian.anderson@tamu.edu">brian.anderson@tamu.edu</a>  (lab website: <a href="http://andersonlab.sites.tamu.edu/">http://andersonlab.sites.tamu.edu/</a>)  <b>Cognition and Cognitive Neuroscience</b></p>	<p><b>10 week only</b>  485  2 students</p>	<p>Cognitive neuroscience. The lab does behavioral and neuroimaging studies examining how learning influences what people pay attention to.</p>	<p>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.</p>

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<p><b>Rebecca Brooker</b>  <a href="mailto:rebeccabrooker@tamu.edu">rebeccabrooker@tamu.edu</a>  <b>Developmental psychologist,</b>  <b>but my technical area in the department is CCN</b></p>	<p>485/491  6 students</p>	<p>Developmental affective neuroscience; how biology and the environment interact to predict children's emotional development (though I'm also doing some stuff with mothers, so if students have a particular interest in parents, they might also be a good fit).</p>	<p>Students will largely be working with behavioral (emotion coding) and psychophysiological (EEG) data, as well as learning how to record neural and cardiac signals and helping with general lab setup.</p>
<p><b>Bergman</b>  <a href="mailto:mindybergman@tamu.edu">mindybergman@tamu.edu</a>  <b>I/O</b></p>	<p>SSI, SSII and  10 week  485  2-4 students</p>	<p>1. Occupational health psychology, with emphasis on sex discrimination and other forms of workplace mistreatment, women in the leadership and workplace safety</p>	<ul style="list-style-type: none"> <li>• Transcribing and coding interviews</li> <li>• Survey analysis</li> <li>• Survey programming</li> <li>• Weekly lab meetings</li> </ul>
<p><b>MacNamara</b>  <a href="https://goo.gl/forms/udx1NrQYPzefYTxX2">https://goo.gl/forms/udx1NrQYPzefYTxX2</a>  <b>(complete form)</b>  <b>Clinical</b></p>	<p>SSI, SSII and  10 week  485/491  Up to 15 students</p>	<p>Emotion and anxiety in the brain</p>	<ul style="list-style-type: none"> <li>• Run neuroscience experiments, in which you will collect EEG and/or fMRI data from human participants.</li> </ul>

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<p><b>Dr. Winfred Arthur, Jr.</b>  <a href="mailto:w-arthur@tamu.edu">w-arthur@tamu.edu</a>  <b>I-O Psychology</b></p>	<p>484/485  6 students</p>	<p>Personnel psychology (e.g.,  personnel selection,  training, etc.)</p>	<p>Proctor experiments, conduct  literature reviews, etc.</p>
<p><b>Orr</b>  <a href="mailto:joseph.orr@tamu.edu">joseph.orr@tamu.edu</a>  <b>Cognition &amp; Cognitive  Neuroscience</b></p>	<p><b>10 week only</b>  485 or 491  4-6 students</p>	<ul style="list-style-type: none"> <li>• Research in our lab examines how the brain keeps us on task while shielding goals from distraction.</li> <li>• - These executive functions allow us to focus on work and multitask more efficiently.</li> <li>• - These abilities are disrupted in illnesses such as addiction and schizophrenia.</li> <li>• - Most of our work involves healthy adults, but may involve patient populations.</li> <li>• - We use a variety of neuroscience techniques such as magnetic resonance imaging (MRI) and brain stimulation.</li> <li>• - This research will give you excellent experience for applying to medical school or graduate school in cognitive/health sciences.</li> <li>• - Students with experience in programming (python, matlab, R) are highly encouraged to apply</li> </ul>	<p>Task: running research participants in psychology and neuroscience experiments, literature reviews, preprocessing data, participating in lab meetings.</p>

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<p><b>Dr. Lisa Geraci</b>  <a href="mailto:lgeraci@tamu.edu">lgeraci@tamu.edu</a>  <b>Cognitive Psychology</b></p>	<p>485 or 491    4  students</p>	<p>1.Memory, personality,  education, memory,  and/or age related  research</p>	<ul style="list-style-type: none"> <li>Running experiments, Entering data, Assisting in data analysis, Reading and learning about project-related literature, Helping plan or construct future investigations</li> </ul>
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