

Smell of Neuroscience

The Smith lab recruits undergraduate research assistants (volunteer) focusing on neurobiology. If you are interested in gaining research experience in the field of neuroscience, you don't need to go far or spend many months in training before you can record neural activity from a brain. The Smith lab in the School of Life Sciences (<https://sols.asu.edu/people/brian-smith>) has launched a new line of research on investigating the neural mechanisms of odor guided behaviors in the honey bees using multi-unit and intracellular recording methods. Briefly, multi-channel probes or glass electrodes are inserted in the olfactory centers of the bee brain while the bees are sensing volatile stimuli of different qualities. Some odors are preferred and others are not, or they may even be repellent. A key question is how the neural circuits in the bee brain produce percepts of these odor stimuli, and subsequently release different behaviors. Towards this goal, our lab is assembling a research team to be led by Dr. Hong Lei (hong.lei@asu.edu). If you want to be part of these exciting discoveries, please contact Dr. Hong Lei (hlei7@asu.edu).

