

# Zahorik Auditory Perception Lab (ZAPL)

<https://louisville.edu/psychology/zahorik/lab>

We value the diverse experiences and backgrounds of all students at University of Louisville and are committed to making an inclusive lab experience for all members. We encourage historically underrepresented or marginalized undergraduates to apply.



**Professor:** Dr. Pavel Zahorik

**Type of position:** volunteer for first semester, PSYC 491 credit for following semesters

**Time Commitment:** two semesters minimum of involvement; 8 – 10 hours per week around RA's schedule, typically between 9:00 AM – 6:00 PM Monday – Friday

**Semesters Available:** fall and spring of every semester, possibility of summer

**Location:** 303 Life Sciences | Heuser Hearing Institute

**Requirements:** Minimum 3.0 GPA

**Brief description of project:** We broadly seek to understand how people use spatial cues for hearing in their daily lives or to achieve certain goals such as communication. Our lab has ongoing studies relating to spatial hearing in realistic room environments, multisensory (audio / visual) integration in auditory space perception, virtual reality audio using a loudspeaker array, and virtual reality audio using headphones and an Oculus VR headset. We also aim to extend many of the previously listed topics to individuals with hearing impairment from our connection with the Heuser Hearing Institute in downtown Louisville and research sponsors from the hearing aid industry.

**Specific tasks:** specific tasks vary by semester and project, but most include participant recruitment, data collection, data entry/scoring, programming in MATLAB or R (if RA has experience/desire to learn), and data management/organization.

**How to apply:** Email Dr. Zahorik at [zaplab@louisville.edu](mailto:zaplab@louisville.edu) with the following information:

- Unofficial transcript
- Resume or CV
- Estimated range of time (based on class schedule) for the current and/or upcoming semester which would be available for lab work
- A description of any past research experience in a lab or for a class
- A brief explanation of why you're interested in working in our lab or on a particular project
- A brief statement about how research experience fits into your current or future career goals