



THE UNIVERSITY OF CHICAGO

Postdoctoral Position on Cellular Communication

Applications are invited for an immediate opening at the Cellular Communication Group with Dr. Demet Araç, at the Department of Biochemistry and Molecular Biology, University of Chicago (<http://arac.uchicago.edu>).

We are interested in understanding how cellular communication in the nervous system is mediated by adhesion molecules on cell surfaces and how cell-cell interactions regulate cellular signaling at the molecular level. The following papers describe the current direction of our research program:

- Structural basis for teneurin function in circuit-wiring: A toxin motif at the synapse. Li, Shalev-Benami, Sando, ..., Südhof, Skiniotis, Araç. **Cell** (2018) *In press*
- *Stachel*-independent modulation of GPR56/ADGRG1 signaling by synthetic ligands directed to its extracellular region. Salzman, Zhang, ..., Koide, Araç. **PNAS** (2017)
- Structural basis for regulation of GPR56/ADGRG1 by its alternatively spliced extracellular domains. Salzman, Ackerman, ..., Koide, Araç. **Neuron** (2016)
- Structural Basis of Latrophilin-FLRT-UNC5 Interaction in Cell Adhesion. Lu, Nazarko, ..., Südhof, Araç. **Structure** (2015)

Applications from a range of backgrounds including biochemistry, molecular biology, and cell biology are invited. Required skills include cell culture, molecular cloning and protein biochemistry. Experience in protein expression/purification, structure determination, and GPCR signaling pathways are a plus.

Our laboratory is located at the University of Chicago, and is affiliated with the Department of Biochemistry and Molecular biology (<http://bmb.uchospitals.edu/>) and the Grossman Institute for Neuroscience, Quantitative Biology and Human Behavior (<http://neuroscience.uchicago.edu/grossman-institute/>). The researcher recruited through this project will have the opportunity to visit and collaborate with interdisciplinary scientists on campus (<https://www.uchicago.edu/>).

Highly motivated candidates with a strong track record of publications should send an application package with research interests, full CV with experimental skills listed in detail, names and contact information of 3 references to Demet Araç (arac AT uchicago.edu).

The University of Chicago is an Affirmative Action/Equal Opportunity/Disabled/Veterans Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, protected veteran status or status as an individual with disability.