Research Assistant Positions in Microscopic Image Analysis of Neurons

Research Assistantships available for graduate (M.S. or Ph.D.) students at Bahçeşehir University & Sabancı University

We are looking for ambitious, hard-working, and committed graduate students from Electrical & Electronics Engineering, Computer Engineering, Biomedical Engineering or Mechatronics Engineering disciplines to fill in the following positions:

One Ph.D Student (available immediately)

36-months research assistantship on the topic of segmentation, clustering, classification, and tracking of dendritic spines from two-photon microscopy images. Background on signals and systems, image analysis, probability theory, and machine learning is expected. Strong software skills (Matlab or C/C++) and good communication skills in English (both oral and written) are required.

One M.S. Student (available immediately)

24-months research assistantship on the topic of segmentation and classification of dendritic spines from two-photon microscopy images. The candidate will closely collaborate with Ph.D. students working on the same project. Background on signals and systems and probability theory as well as interest in image processing is expected. Strong software skills (Matlab or C/C++) and good communication skills in English (both oral and written) are required.

Interested candidates should contact Prof. Devrim Ünay (devrim.unay@bahcesehir.edu.tr) or Prof. Müjdat Çetin (mcetin@sabanciuniv.edu) and send a detailed resume, undergraduate (and if applicable graduate) transcript, a brief statement of research experience and interests, GRE (or ALES) and English Proficiency Exam test results, copies of publications (if applicable), and the names and contact information of two references.

They should also apply for graduate study at Bahçeşehir University (see http://www.bahcesehir.edu.tr/academic/academic/graduadeschoolofnaturelandappliedsciences/onlineapplication) or Sabancı University (see http://fens.sabanciuniv.edu/eng/?Basvuru/lisansustuBasvuru.html)

For information on Prof. Ünay’s and Prof. Çetin’s recent work and publications, please see http://staff.eng.bahcesehir.edu.tr/~unay/

and

http://spis.sabanciuniv.edu