Postdoc and PhD Positions on high-resolution human (functional) MRI Research using 7T at Sungkyunkwan University, South Korea

The Department of Biomedical Engineering (BME) in Sungkyunkwan University has postdoc positions in the newly formed group of **Dr. Kamil Uludag** (https://cnir.ibs.re.kr/_prog/_personnel/index.php?mode=V&user_mng_no=14804&site_dvs_cd=cnir_en&menu_dvs_cd=020202&posi_dvs_cd=922) and is looking for ambitious, outstanding and collaborative scientists to work on high-resolution fMRI in humans using **7 T Terra Siemens scanner** in the Institute for Basic Science (IBS) Center for Neuroscience Imaging Research (CNIR) (http://cnir.ibs.re.kr) (Director: Prof. Dr. Seong-Gi Kim). The postdocs are expected to start in 2019 and the contract duration initially is for 2 years, which can be extended based on the performance and availability of funding. Salary generally follows the NIH postdoc salary guidelines. Ideal candidates have extensive experience in functional brain imaging using high-field MRI.

Recent advances in MRI technology and availability of ultra-high magnetic field human scanners (7T and above) permitted the increasing number of high-resolution (f)MRI studies at submillimeter voxel resolution. The postdocs will utilize advanced MRI sequences and data analysis approaches to address neuroscientific questions on human brain function at the mesoscopic scale.

Sungkyunkwan University, affiliated with Samsung Electronics (https://en.wikipedia.org/wiki/Sungkyunkwan_University), is located at Suwon (southern suburb city of Seoul), where it can be reached by subway from Seoul. The CNIR focusing on brain sciences and neuroimaging research has state-of-the-art MR facilities (Siemens 3T Prisma and 7T Terra human MRI for human and non-human primate research, and 9.4T/30cm and 15.2T/11cm Bruker MRI for animal research), and in-house non-human primate and rodent housing facilities. The CNIR is an ideal place for performing brain science-oriented imaging research since we have multiple faculty members in human fMRI, neurophysiology and MR physics.

Please send CV, motivation letter, and names of two referees Dr. Kamil Uludag (email: kamil.uludag@rmp.uhn.ca). The positions are open until a suitable candidate has been found.