

## **Postdoc Position high-resolution human functional MRI Research at Sungkyunkwan University in South Korea**

The Department of Biomedical Engineering (BME) in Sungkyunkwan University has one postdoc position in the newly formed group of Dr. Kamil Uludag (<https://www.maastrichtuniversity.nl/kamil.uludag>) and is looking for an ambitious, outstanding and collaborative scientist 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 postdoc is expected to start spring 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 fMRI studies at submillimeter voxel resolution. As a consequence, it is now possible to measure fMRI activation as a function of cortical depth and potentially study activity changes in cortical layers and columns. The postdoc 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](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 BME department has 13 faculty members covering biomedical imaging, biomaterials and neuroscience, and undergraduate and graduate degree programs. 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. Machine shop/RF engineering lab is also housed, as well as state-of-the-arts optical imaging, histology, and computation 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@maastrichtuniversity.nl](mailto:kamil.uludag@maastrichtuniversity.nl)). The position is open until a suitable candidate has been found.