****ONE POSTDOCTORAL POSITION****
****ONE PhD POSITION****

in VISUAL and COGNITIVE NEUROSCIENCE focusing on NEUROIMAGING

at the ATTENTIVE BRAINS & BEHAVIORS LAB
http://theattentivebrain.com/
DEPARTMENT OF BASIC NEUROSCIENCES,
UNIVERSITY OF GENEVA (Switzerland)

Our laboratory has available positions for one PhD student and one Postdoctoral fellow. The successful candidates will work on projects recently funded by a SNSF-Starting grant, and will be investigating the brain mechanisms of spatial and object-based attention in healthy human subjects and stroke patients by means of multi-modal MRI and Virtual Reality.

We have previously shown that the spatial attention network might not be limited to fronto-parietal areas (Sani et al, 2019; Sani et al 2021) we are now testing this novel hypothesis with different imaging techniques and behavioral approaches.

The postdoctoral fellow will be initially appointed for two years with the possibility to extend. She/he should hold a doctoral degree in neuroscience, cognitive science, psychology, or related fields. Required qualifications are hands-on experience with brain imaging, experimental design, data analysis and programming (e.g., SPM, Matlab, Python, UNIX, FSL, Freesurfer, AFNI etc), scientific writing, and very good organization and communication skills. The successful candidate will have demonstrated academic productivity in the form of peer-reviewed scientific publication(s).

The PhD student will be appointed for four years, and should have a background in neuroscience, cognitive science, engineering, or related fields. Experience in quantitative methods, experimental research, and brain imaging will be highly beneficial. The ideal candidate is pro-active, able to work independently, and has excellent organization and communication skills.

Candidates must be highly motivated to develop expertise in applying cognitive science and neuroimaging methods to problems in attentional research. **The candidates will have the opportunity to acquire, analyze and interpret multi-modal MRI and behavioral data from ongoing projects.** Example projects include mechanistic studies of attention, high level vision, perception in traditional and Virtual Reality experiments, study of stroke patients. They will use mostly 3T MRI, with the possibility of exploratory experiments at high-field 7T MRI. Candidates will receive one on one mentoring and will work in a collaborative, vibrant, multi-disciplinary environment to gain experience in neuroscientific research. We offer a competitive salary.

Please email the following application material to Ilaria Sani (**ilaria.sani@unige.ch**)
using the **subject heading** **"AttentiveBrains PhD/Postdoctoral Position Application"**

- Motivation letter outlining research experience and interests, career plans, and fit for the position (1 or 2 pages)
- CV
- 1-3 names of possible references
- If available, a sample publication or preprint; otherwise, a poster or a short (300 words max) description of a previous research project
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Deadline for application: **January 9th 2023**
Ideal starting date: **April 1st 2023**

Revision of applications will start immediately and continue until the positions are filled.

Additional positions will be opened at the end of 2023 with a focus on non-human primate and stroke-patient research. Please contact ilaria.sani@unige.ch if interested.