About us…

With its proximity to the Rocky Mountains and 300 days of sun per year, the University of Colorado Denver is ranked in the top 5% among the approximately 4,500 universities and colleges in the United States. The CU Neuromagnetic lab at CU Denver exists since 1975 and has been involved in many MEG "firsts". These include first recording of the magnetic equivalent of the P50 auditory evoked magnetic field and the first published MEG recordings in non-human primates. Several patient populations were first studied in Denver with MEG as well: 1) patients with schizophrenia, schizoaffective disorder, bipolar disorder and Fragile X syndrome. Our current research projects focus on movement disorders, such as Parkinson's and Huntington's diseases, as well as on clinical populations with traumatic brain injuries. Please visit https://cuneuromag.org/ for more information.

CU Denver is an equal opportunity employer. We do not discriminate on the basis of race, color, gender, gender identity, sexual orientation, age, religion, national or ethnic origin, disability or protected veteran status.

You are…
- An emerging researcher with a PhD in neuroscience, physics, biomedical engineering, computer science or related field
- An experienced student with an excellent academic record in the field of MEG signal processing and analysis
- Aware that neuroimaging-bases analyses require specific statistical methods
- A proficient programmer in Matlab, Python or similar
- A skilled talker and writer in the English language
- A collaborative, creative, enthusiastic person who is looking for a great transition to independence
- A social individual who likes to work with colleagues scientists and research subjects

You will be…
- Working with our team for two years or more
- Investigating oscillatory patterns of people with traumatic brain injury (TBI) during sleep and their relationship with sleep quality and memory consolidation
- Assisting with MEG data collection and leading the analysis part of the project with the help of our team members
- Collaborating closely with with the Marcus Institute for Brain Health (https://medschool.cuanschutz.edu/mibh) team to better understand the clinical profile of people with TBI and its relevance to functional impairments
- Receiving grantsmanship mentoring and encouraged to submit grants

The next steps are…
- To write a cover letter with a brief narrative of previous achievements, research interests and overall career goals
- To gather useful information on your CV, including 2-3 names for references
- To apply here: https://cu.taleo.net/careersection/2/jobdetail.ftl?job=21560&lang=en