2 x Postdoctoral Scholars, Physiological MRI

Two postdoctoral training positions are available immediately in the Germuska lab (UC Davis Physiological Imaging Group), in the Department of Radiology at UC Davis. The successful candidates will develop independent research projects focused on the development of MRI methods and data analysis to quantify human brain function and physiology.

We will develop methods to map human brain energy consumption, cerebral blood flow, and cerebral vascular reactivity. The research will involve the optimization and development of data acquisition methods, the application of techniques to human participants, and the development of analysis methods to extract physiological information from MRI data.

Knowledge of MRI methods and scientific programming would be a significant advantage. The position would suit a researcher with a physics/engineering background interested in applied imaging research or a psychology/clinical imaging researcher with experience of MRI and data analysis.

SALARY RANGE: $69,073 - $74,281, commensurate with experience.

TERM OF APPOINTMENT: Minimum initial appointment(s) will be 100% (full time) for two-years with renewal depending on performance.

TO APPLY: Qualified applicants should send a cover letter indicating why you are interested in this position, a research statement describing your research experience and skills, curriculum vitae, and a representative publication. Application must be submitted via Handshake (https://apptrkr.com/6553604). Applicants should also provide contact information for three references who will provide letters of recommendation. Please email to magermuska@health.ucdavis.edu

Anyone interested in this opportunity, who would like to find out more before applying, is encouraged to contact Prof. Michael Germuska for informal discussions.

QUALIFICATIONS:
Basic qualifications (required at time of appointment) Graduate degree (PhD or equivalent) in medical physics, biomedical engineering, neuroscience, psychology or a related field. Candidate should have experience with MRI and human research. Prior experiences with arterial spin labelling, magnetic resonance spectroscopy, quantitative susceptibility mapping, BOLD fMRI, biophysical modelling, are a plus. The ideal candidate will have strong interpersonal, communication, and decision-making skills and the ability to work well both independently and as a part of a team.