

From: David Boas <dboas@nmr.mgh.harvard.edu>

Sent: August 28, 2015 12:14:40 AM GMT+02:00

Subject: looking to hire post-docs and research assistants

Sava Sakadzic, Maria Angela Franceschini, and I are looking to hire post-doctoral fellows (or students / research assistants) to work on various projects. We are looking for candidates to work on the following:

Microscopy Projects

- 1) Novel two photon microscopy (TPM) technology for measuring the partial pressure of oxygen (PO₂)
- 2) Utilizing TPM PO₂ and OCT technology to investigate micro-vascular oxygen delivery and oxygen consumption and its impairment by disease and injury
- 3) Graphing the microvascular network and modeling oxygen delivery and fMRI signals
- 4) Investigation of cerebral vascular and intracellular dynamics with dynamic light scattering OCT

NIRS Projects

- 1) integration of NIRS and diffuse correlation spectroscopy (DCS) to measure cerebral oxygen delivery and consumption in clinical settings
- 2) develop signal analysis algorithms
- 3) develop novel DCS methodology

Please let us know if you know of anyone who might be interested.

Please let us know of any others you think we should send this email to, or feel free to send to others.