

## **Non- and minimally-invasive diffuse optical tissue monitoring**

A postdoctoral position is available in the laboratory of [David R. Busch, Ph. D.](#) in the Department of Anesthesiology and Pain Management at UT Southwestern Medical Center. This laboratory, new to UTSW, focuses upon development and translation of diffuse optical and correlation spectroscopic (DOS, DCS) instrumentation to monitor the central nervous system. Current projects include minimally invasive monitoring of the spinal cord and non-invasive cerebral monitoring during extracorporeal membrane oxygenation therapy.

Candidates must hold a PhD in physics, biomedical engineering, bioengineering, or a similar field. Postdoctoral fellowship training experience is preferred.

Candidates with experience in development of fiber optic probes, diffuse optics, tissue optics, and clinical translation are preferred.

A solid record of publication is required to demonstrate writing and technical expertise as delineated above. The applicant will serve as a leading member of the investigative team and work in close collaboration with Professor Thomas Floyd (UTSW Anesthesia) and Professor Lakshmi Raman (Children's Medical Center).

These labs are committed to the professional development of the members, making this position a valuable preparation for those interested in academic, industrial or entrepreneurial careers. The position has no mandatory teaching or administrative duties.

The ideal start date is in Spring 2019; this is somewhat flexible. The position is initially for 12 months with the possibility of renewal. Compensation will be commensurate with relevant experience. UTSW has competitive benefits (including comprehensive medical insurance).

Interested individuals should send a CV, statement of interests, expected date of availability, and a list of three references to:

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