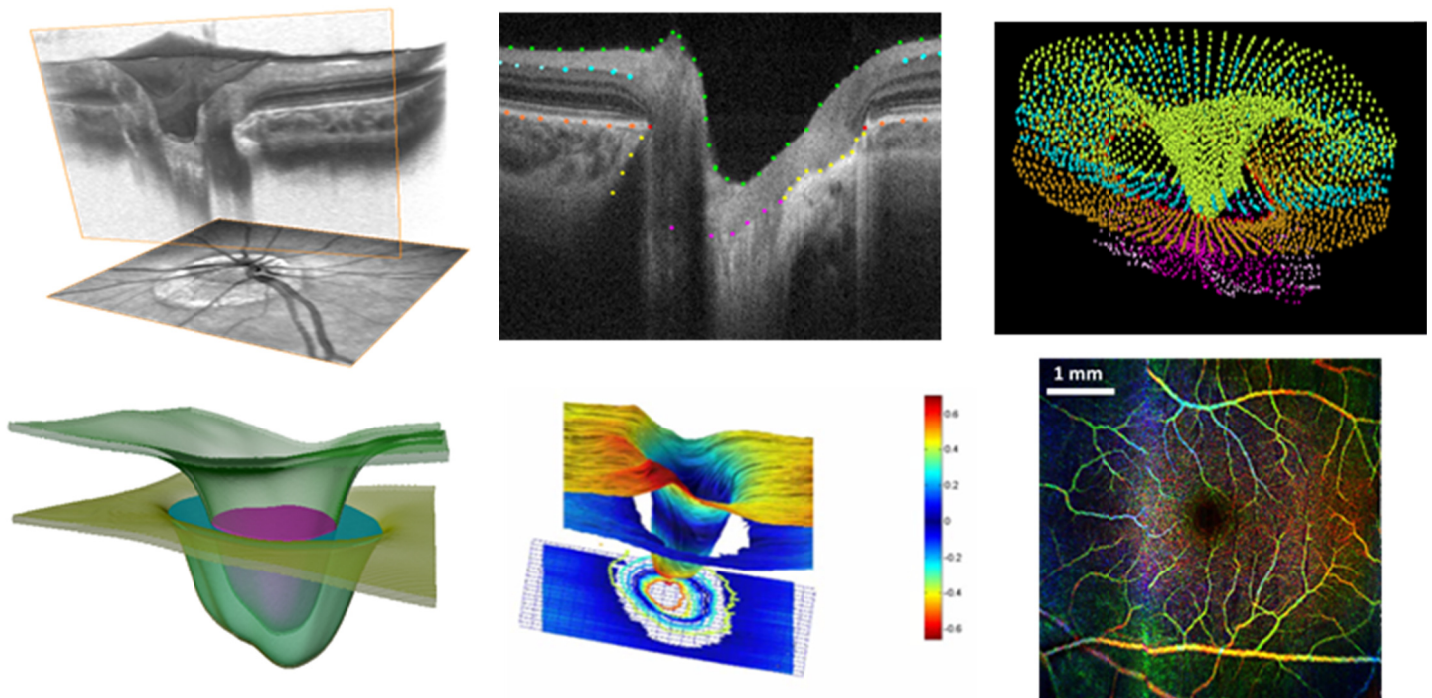


Post-doctoral Scientist/Ph.D Students for Retina OCT/Brain MR Image Analysis in Vancouver, Canada

A 2 year post-doctoral scientist position is available (starting December 2014-Jan 2015) at the Medical Image Analysis Lab and the Biomedical Optics Research Group at Simon Fraser University to develop novel biomarkers from retinal optical coherence tomography (OCT) images as indirect measures of changes in the brain in diseases such as Alzheimer's disease. The candidate will extend the state-of-art in 3D OCT and fluorescence based imaging of the retina, and MRI brain biomarkers for the early detection of Alzheimer's disease and those that can be used for tracking longitudinal changes over time. This position will allow a rich multi-disciplinary training environment with established research groups at Simon Fraser University (SFU) and University of British Columbia (UBC) in retinal OCT image acquisition and processing, brain MRI image acquisition and processing along with extensive interaction with ophthalmic clinician experts in eye diseases, and neurology experts in dementia.



A PhD degree in Engineering/Computer Science, and strong programming/quantitative analysis skills are needed for this position. Prior experience in brain MRI and/or retinal OCT imaging will be extremely relevant. The candidate must be capable of working independently and have strong initiative and problem solving skills. The candidate is required to have excellent communications skills in English and be a team-player. Proven expertise at writing high quality journal articles is required. Exceptional students looking for Ph.D. opportunity are also encouraged to apply. The position includes a competitive salary commensurate with expertise and experience. Please send a cover letter and a CV to Dr. Mirza Faisal Beg, Professor, Simon Fraser University via email (mfbeg@sfu.ca).

Mirza Faisal Beg, Ph.D., P.Eng.

Professor

Michael Smith Foundation for Health Research Scholar

School of Engineering Science, Simon Fraser University

<http://www.ensc.sfu.ca/~mfbeg/>