

POST-DOCTORAL FELLOWSHIP POSITION AVAILABLE

Laboratory of Alan S. Verkman, M.D., Ph.D., Professor of Medicine and Physiology, Cardiovascular Research Institute, University of California, San Francisco, U.S.A.

Subject: Development and application of novel optical methods to study solute dynamics in living cells. Examples of studies include: photobleaching of green fluorescent protein chimeras, time-resolved anisotropy measurements of solute rotation in living cells, quantitative confocal imaging of vesicular transport, multiple angle total internal reflection fluorescence microscopy. The new fellow will be involved in developing new biological applications using femtosecond lasers involving second harmonic generation and multi-photon excitation.

Qualifications: Ph.D. in physics or chemistry or biophysics. Knowledge of optics and lasers. Skills in computational modeling and instrumentation development helpful. Interest in cellular and biological problems, but experience not required – the fellow will be trained as needed in cell and molecular biology.

Information about laboratory: 16 post-doctoral fellows/students with expertise in molecular genetics, organic chemistry and optics. Laboratory is funded by 4 grants from the National Institutes of Health and a program project grant from the National Cystic Fibrosis Foundation.

APPLY IMMEDIATELY BY EMAIL

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At the moment, issue no. 6 (25 August 1998), issue no. 8 (25 October 1998) and issue no. 10. (25 November 1998) have been uploaded. Other issues would be uploaded as and when they are published.

Comments and suggestions are welcome.