JOHN P. MCGOVERN LECTURESHIP
IN BIOMEDICAL COMPUTING AND IMAGING

High-Resolution Cryo-Electron Microscopic Studies of Microtubule-Based Motors

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Dr. Kikkawa will present new high-resolution structures of two microtubule-based motors, kinesin and dynein, analyzed with cryo-electron microscopy. The studies are based in part on a novel helical reconstruction method for structures with a seam that take into account the special symmetry of microtubules.

Dr. Kikkawa is Assistant Professor of cell biology at the University of Texas Southwestern Medical Center in Dallas. Dr. Kikkawa is a graduate of the world-famous laboratory of Nobutaka Hirokawa with whom he has published a number of seminal papers (*Nature*, 376:274, *Cell*, 100:241, *Nature*, 411:439, *Cell*, 114:229, *Science*, in press). As an independent investigator he seeks to elucidate the functional dynamics of molecular motors with advanced mage processing techniques.

Drinks and snacks complimentary

DATE: **Wednesday, June 2, 2004**
TIME: **4:00PM – 5:30PM**
PLACE: **Trevisio Restaurant, 6th floor,**
John P. McGovern Medical Center Commons,
6550 Bertner Ave., Houston, TX 77030

Parking in the Commons will be validated by Trevisio Restaurant
For information contact Dr. Yao Cong at 713.500.3981

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