

Term project topics: (term project report due 1/12/09)

- Precise nanometer localization analysis for individual fluorescent probes. Biophys. J. 82: 2775-2783, 2002. (Paul Cardenas)
- Single-Molecule Analysis 2: Single-Molecule Fluorescence Resonance Energy Transfer. TJ Ha. METHODS **25**, 78–86, 2001. (Fei Pei)
- FRET imaging. Nature Biotech. 21: 1387-1395, 2003. (Li-Wei Huang, Chih-Ning Chen)
- FRET or no FRET: A quantitative comparison. Biophys. J. 84: 3992–4010, 2003. (Mohamed Abbass, Mohamad Yaseen)
- Single-quantum-dot-based DNA nanosensor. Nature Materials 4, 826-831, 2005. (Chia-Jong Liu, Meng-Lin Tsai)
- Resolution scaling in STED microscopy. Harke *et al.*, OPTICS EXPRESS 16, 4154-4162, 2008. (Kumar Sharma)
- Biolabeling with nanoparticles (gold NPs, QDs, and nanodiamonds) (Chen-Hon Nee, Huai-Yi Chen)
- CNT biosenor: Cellular uptake of functionalized carbon nanotubes is independent of functional group and cell type. Nature Nanotechnology, 2, 108–113, 2007. (Bhagava Billa)
- Photo-nanobiotechnology: Quantum dots and nanoparticles for photodynamic and radiation therapies of cancer. Advanced Drug Delivery Reviews 2008 (in press); Trends in Biotechnology Vol.26 No.11 (in press, doi:10.1016/j.tibtech.2008.07.007). (Tony Rajan)

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97/12/24 (W)	1. Chia-Jong/Meng-Lin 2. Chen-Hon/Huai-Yi
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