

Tuesday, 13th November 2007, 16:00 h

DKFZ Heidelberg, Communication Center (Auditorium)

Leica Scientific Forum Heidelberg

Advances in Life Science

Prof. Dr. Roger Tsien

University of California San Diego, Department
of Pharmacology, Chemistry & Biochemistry

**"Building molecules to spy on synapses
and tumors *in vivo*"**

13th November 2007

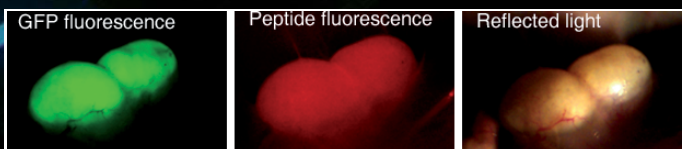
16:00 Opening by Prof. Dr. Stefan Hell

16:20 With his talk, Prof. Dr. Roger Tsien will cover research aspects such as

- TimeSTAMP, a new method in which a protein of interest is fused via hepatitis C viral protease to an epitope tag
- Novel imaging agents based on activatable cell-penetrating peptides (ACPPs) that are substrates for matrix metalloproteinases (MMPs)
- A new general strategy, offered by ACPPs, to detect protease activities *in vivo* and to concentrate imaging and perhaps chemotherapeutic agents within tumors, e.g. for diagnosis, localization and treatment

17:30 Discussions

18:00 Get together with snacks and drinks



Scientific Advisory Board: Prof. Winfried Denk (MPI), Prof. Roland Eils (DKFZ),
Prof. Stefan Hell (MPI/DKFZ), Dr. Rainer Pepperkok (EMBL), Dr. Thomas Zapf (Leica)

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