

Kavli Prize in Nanoscience

The Kavli Prize in Nanoscience is awarded biennially by a partnership between The Norwegian Academy of Sciences and Letters, The Kavli Foundation, and the Norwegian Ministry of Education and Research. The winners of the 2014 prize are Thomas Ebbesen, Stefan W. Hell, and John B. Pendry, who were recognized for “for transformative contributions to the field of nano-optics that have broken long-held beliefs about the limitations of the resolution limits of optical microscopy and imaging”.

Thomas W. Ebbesen (Université de Strasbourg) studied at Oberlin College, Ohio, and worked with Michel Rougée and René Bensasson at the Université Pierre et Marie Curie, Paris, for his PhD (awarded in 1980). In 1981, he joined the Radiation Laboratory at the University of Notre Dame, and he subsequently moved to the NEC Fundamental Research Laboratory, Tsukuba (1988–1996) and then the NEC Research Institute, Princeton (1996–1999). He was made professor and Director of the Nanostructures Laboratory at the Université de Strasbourg in 1999. Ebbesen's research interests include plasmonic structures and their properties, and are currently focused on hybrid light-matter states formed by strongly coupling molecules to the vacuum electromagnetic field. He has recently reported on this topic in both *ChemPhysChem* and *Angewandte Chemie*.^[1] Ebbesen is on the Editorial Board of *ChemPhysChem*.

Stefan W. Hell (Max Planck Institute for Biophysical Chemistry, Göttingen, and German Cancer Research Center, Heidelberg) was featured here when he won the Hansen Family Award.^[2a] His report on two-color RESOLFT nanoscopy was recently featured on the cover of *ChemPhysChem*,^[2b] of which he is also a member of the Editorial Board.

Sir John B. Pendry (Imperial College London) studied at the University of Cambridge, where he completed his PhD in 1969 and remained as a research fellow. From 1972–1973, he was on the technical staff at Bell Laboratories, Chapel Hill, and then returned to the University of Cambridge before joining the SERC Daresbury Laboratory in 1975. He moved to Imperial College London in 1981, and is currently Professor of Solid-State

Physics. Pendry's research interests are in photonic materials. He has reported in *ChemPhysChem* on a hydrodynamic model for plasmonics.^[3]

SPSJ International Awards

The Society of Polymer Science, Japan (SPSJ) presents the SPSJ International Award, which is the society's highest honor, to scientists over the age of 55 for their contributions to the field and international activities related to the SPSJ. The winners of the 2013 awards are **Gert Strobl** (University of Freiburg), **Shaw Ling Hsu** (University of Massachusetts), **Samuel I. Stupp** (Northwestern University), who was featured here when he won the Ronald Breslow Award for Achievement in Biomimetic Chemistry,^[4] and **Chain-Shu Hsu** (National Chiao Tung University; NCTU), who has reported in *Chemistry—An Asian Journal* on porphyrin-[60]fullerene conjugates.^[5] Hsu studied at the National Taiwan Normal University and National Tsing Hua University, and carried out his PhD (awarded in 1987) with Virgil Percec at Case Western Reserve University. He was subsequently a postdoctoral researcher at NCTU, and joined the faculty there in 1988. He is currently professor and also Vice-President. Hsu was recognized for his work on the development of conjugated polymers for applications in organic solar cells.

- [1] a) A. Salomon, S. Wang, J. A. Hutchison, C. Genet, T. W. Ebbesen, *ChemPhysChem* **2013**, *14*, 1882; b) A. Canaguier-Durand, E. Devaux, J. George, Y. Pang, J. A. Hutchison, T. Schwartz, C. Genet, N. Wilhelms, J.-M. Lehn, T. W. Ebbesen, *Angew. Chem.* **2013**, *125*, 10727; *Angew. Chem. Int. Ed.* **2013**, *52*, 10533.
- [2] a) *Angew. Chem.* **2011**, *123*, 3679; *Angew. Chem. Int. Ed.* **2011**, *50*, 3599; b) F. Lavoie-Cardinal, N. A. Jensen, V. Westphal, A. C. Stiel, A. Chmyrov, J. Bierwagen, I. Testa, S. Jakobs, S. W. Hell, *ChemPhysChem* **2014**, *15*, 655.
- [3] C. Ciraci, J. B. Pendry, D. R. Smith, *ChemPhysChem* **2013**, *14*, 1109.
- [4] *Angew. Chem.* **2013**, *125*, 4159; *Angew. Chem. Int. Ed.* **2013**, *52*, 4067.
- [5] C.-L. Wang, W.-B. Zhang, X. Yu, K. Yue, H.-J. Sun, C.-H. Hsu, C.-S. Hsu, J. Joseph, D. A. Modarelli, S. Z. D. Cheng, *Chem. Asian J.* **2013**, *8*, 947.

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Awarded ...



T. W. Ebbesen



S. W. Hell



J. B. Pendry



S. I. Stupp



C.-S. Hsu