



学术报告

Biomimetic Models of Hydrogenases Aiming for Catalytic Hydrogen Production

Prof. Licheng Sun

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报告地点: 礼堂

报告时间: 2007年3月30日上午11: 20—12: 10

报告人简介:

Exams

1999 Docent (Associate Professor), Department of Chemistry, Royal Institute of Technology (KTH), Stockholm, Sweden. Lecture Topic: "Biomimetic Models for the Electron Donor Side of Photosystem II"

1990 Ph.D., Department of Fine Chemicals, Dalian University of Technology (DUT), China, Thesis: "Design and Synthesis of Magenta Dyes for the Use in Color Films and Color Paper". Supervisor: prof. Jingzong Yang.

1987 Master of Science in Chemical Engineering, DUT, China.

1984 Bachelor of Science in Chemical Engineering, DUT, China.

Employments

2004--now Full Professor, Department of Chemistry, KTH, Stockholm, Sweden.

2001--2004 Associate Professor in Department of Organic Chemistry, Stockholm University (SU), Stockholm, Sweden.

1999--2001 Assistant Professor (NFR Forskarassistent tjänst), in Department of Organic Chemistry, SU.

1997--1999 Assistant Professor (NFR Forskarassistent tjänst), Department of Chemistry, KTH.

1995--1997 Research Associate in Department of Chemistry, KTH (with Prof. Björn Åkermark) funded by Wallenberg Foundation.

1993--1995 Research Associate in Institut für Organische Chemie, Freie Universität Berlin, Germany (with Prof. Dr. Harry Kurreck) funded by Alexander von Humboldt (AvH) Foundation.

1992--1993 Research Associate in Max-Planck-Institut für Strahlenchemie, Mülheim an der Ruhr, Germany (with Prof. Dr. Helmut Görner) funded by Max-Planck-Gesellschaft.

Supervision of PhD students and post-docs

-Ph.D. degrees completed under my supervision:

Olof Johansson, PhD thesis, 2004-04. Henriette Wolpher, PhD thesis, 2005-04.

Yunhua Xu, PhD thesis, 2005-04. Anh Tran, PhD thesis, 2001-06/(co-supervised with BÅ).

Chengjiang He, PhD thesis, 2005-06. Yonggang Chen, PhD thesis, 2005-09.

Xien Liu, PhD thesis, 2006-06. Hongjun Zhu, PhD thesis, 2006-07.

Fei Li, PhD thesis, 2006-10. Yunhua Xu, Lic. thesis, 2002-11.

Olof Johansson, Lic. thesis, 2003-06. Jacob Fryxelius, Lic. thesis, 2003-10.

Henriette Wolpher, Lic. thesis, 2003-09. Josefin Utas, Lic. thesis, 2003-11.

-Post-docs (more than one year):

Gunner Knör, Germany, 1997-1998. Jiutian Zheng, China, 1997-1998.

Markus Tamm, Germany, 1997-1999. Morten Ghiladi, Denmark, 1997-1999.

Heimo Schmitt, Germany, 1997-1999. Ferenc Kolodi, Hungary, 1999-2000.

Xiaojun Peng, China, 2001-2002. Sabolcs Salyi, Hungary, 2001-2002.

Xichuan Yang, China, 2003-2004. Sascha Ott, Germany, 2002-2004.

Xiaobin Zhang, China, 2003-2005. Shiguo Sun, China, 2003-2005.

Akhelish Gupta, India, 2005--2006. Dapeng Zhou, China, 2006-2008.

Xien Liu, China, 2006-2007. Jingnan Cui, China, 2006-2007.

Viktor Gyollai, Hungary, 2007-

Research interests

Design, synthesis and characterization of supramolecular systems for applications towards solar energy conversion devices, biomimetic model systems for Photosystem II and hydrogenases, artificial photosynthesis. Supramolecular chemistry, photochemistry and photophysics, photoinduced electron transfer and energy transfer, porphyrin chemistry, phthalocyanine chemistry, ruthenium polypyridine chemistry and electrochemistry.

Publications

- About 130 publications in refereed scientific journals; 50 conference contributions and 16 invited conference lectures.

- 8-10 lectures/year at universities and in industry.

Funding

External funding 2001-2007: ca 12 Millions SEK

Awards

- Postdoctoral fellowship funded by Max-Planck-Gesellschaft, Germany.

- Alexander von Humboldt fellowship funded by AvH Foundation, Germany.

- Assistant Professorship (Forskarassistent tjänst) in "Artificial Photosynthesis", funded by Swedish Natural Science Research Council, 1997-2001.

Miscellaneous

- Reviewer for the evaluation of the projects which applied to the State Natural Science Awards in China for the year 2005.

- Peer reviewer of scientific journals; mainly from Wiley-VCH, Royal Society of Chemistry and American Chemical Society; ca 10-15 manuscripts per year.

- Members of Swedish Chemical Society and American Chemical Society.

报告联系人: 李灿

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