Takafumi Ueno

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Education

1995 – 1998 Ph. D. Osaka University
(Supervisor: Prof. Akira Nakamura)
1993 – 1995 M. S. Osaka University (Polymer Chemistry)
1989 – 1993 B. S. Osaka University (Polymer Chemistry)

Professional Career

1998-2000: Research Scientist, Mitsubishi Chemical Co. Yokkaichi, Japan
2000-2002: Assistant Professor, Institute for Molecular Science, Okazaki, Japan
2002-2008: Assistant Professor, Department of Chemistry, Graduate School of Science Nagoya University, Japan
2004-2005: Japan Society for the Promotion of Science (JSPS) Postdoctoral Fellow for Research Abroad, The Scripps Research Institute, USA
2008-2012: Associate Professor, Institute for Integrated Cell-Material Sciences (iCeMS), Kyoto University, Japan
2010-2012: Visiting Associate Professor, Institute for Molecular Science, Japan
2012- Professor, Department of Biomolecular and Bioengineering, Tokyo Institute of Technology, Japan
2012- Visiting Professor, iCeMS, Kyoto University, Japan

Selected recent publications:

1. "Porous Protein Crystals as Catalytic Vessels for Organometallic Complexes" H. Tabe, S. Abe, T. Hikage, S. Kitagawa and T. Ueno **2014,** *9*,1373 (a Cover Picture Article)
2. "Expanding coordination chemistry from protein to protein assembly" Nusrat J. M. Sanghamitra and T. Ueno, *Chem. Commun*, **2013,** *49*, 4114 (a feature article in the 'Emerging Investigators 2013 issue)
3. **"**Porous Protein Crystals as Reaction Vessels for Controlling Magnetic Properties of Nanoparticles" S. Abe, et al. *Small*, **2012,** 8, 1314-1319.
4. "Post-Crystal Engineering of Zinc-Substituted Myoglobin to Construct a Long-lived Photo-induced Charge Separation System" T. Koshiyama, et al. *Angew. Chem. Int. Ed.* **2011**, *50*, 4849-4852.
5. "Polymerization of Phenylacetylene by Rhodium Complexes within a Discrete Space of apo-Ferritin" S. Abe, K. Hirata, T. Ueno, et al. *J. Am. Chem. Soc.* **2009**, *131*, 6958-6960.
6. "Control of the Coordination Structure of Organometallic Palladium Complexes in an apo-Ferritin Cage" S. Abe, J. Niemeyer, et al. *J. Am. Chem. Soc.* **2008**, *130*, 10512-10514.

Research Interests

1. Artificial metalloenzymes.
2. Protein engineering of supramolecular proteins.
3. Organometallic compounds functionalized in living cells.
4. Coordination chemistry in protein cages.