

# Professor William Sydney Price

## Current July 2009

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## Work History and Biography

- Professor of Nanotechnology, School of Biomedical and Health Sciences and School of Medicine, University of Western Sydney, (2003 Nov. - present).
- Full Professor of Chemistry, Tokyo Metropolitan University, Tokyo, Japan (2001 Apr. – 2003 Aug.).
- Senior visiting scientist, Royal Institute of Technology, Stockholm, Sweden (2000 Jan.-2001 Feb.).
- Chief scientist, Water Research Institute, Tsukuba, Japan (1996 Apr.- 1999 Dec.).
- Research scientist, Water Research Institute, Tsukuba, Japan (1995 Mar.-1996 Mar.).
- Science and Technology Agency fellow, National Institute of Advanced Industrial Science and Technology, Tsukuba, Japan (1993 Mar.-1995 Mar.).
- Research fellow, Institute of Atomic and Molecular Sciences, Academia Sinica, Taipei, Taiwan, ROC (1990 Sept.-1993 Mar.).
- Consultant, Australian Membrane and Biotechnology Research Institute Ltd. (AMBRI), CSIRO Division of Food Processing (1990 Jun.-1990 Jul.).

Professor William (Bill) S. Price completed both undergraduate and graduate studies at the University of Sydney. He completed his PhD in 1990. His PhD work was on the development of experimental and theoretical approaches for measuring diffusion, viscosity, transport and binding of small molecules in human red blood cells using nuclear magnetic resonance (NMR) spectroscopy. His supervisors were Professor Philip W. Kuchel and Dr. Bruce A. Cornell.

His first postdoctoral position was at the Institute of Atomic and Molecular Science (IAMS) founded by the Nobel Laureate, Y. T. Lee in Taipei, Taiwan 1990-1993 with Professor Lian-Pin Hwang. At IAMS he developed advanced nuclear magnetic NMR relaxation techniques for studying molecular dynamics and also collaborated with the largest hospital in Taipei on clinical studies (hypothermia and pleural effusions).

His second postdoctoral position (1993-1995) was at the National Institute of Advanced Industrial Science and Technology in Japan with Prof. Kikuko Hayamizu where he investigated and developed sophisticated solid-state deuterium NMR techniques for investigating polymerization as part of a National project on the development of non-linear optical polymers. During this time Bill also collaborated with the Himeji Institute of Technology on the effects of hydration on phenyl ring dynamics in human insulin.

After completing postdoctoral studies he held the following positions:

- Research Scientist, Water Research Institute, Tsukuba, Japan (1995 - 1996).
- Chief Scientist, Water Research Institute, Tsukuba, Japan (1996 - 1999).
- Senior Visiting Scientist, Royal Institute of Technology, Stockholm, Sweden (2000 – 2001).
- Full Professor of Chemistry, Tokyo Metropolitan University, Tokyo, Japan (2001 - 2003).
- In November 2003 he took up the Chair of Nanotechnology in the School of Biomedical and Health Sciences at the University of Western Sydney (UWS). He is also a conjoint Professor with the School of Medicine at UWS. He is the director of the Biomedical Magnetic Resonance Facility and director of the UWS node of the National Imaging Facility ([www.anif.org.au](http://www.anif.org.au)).

## Awards and Fellowships

- Rennie Memorial Medal (National Medal), Royal Australian Chemical Institute (1998).
- BioFirst Award, NSW State Government (2004).
- Ollé Prize for Chemical Literature, Royal Australian Chemical Institute (1999).
- RACI RSC Corday Morgan – Rennie Medal Exchange Lecturer (1999).
- Senior Visiting Scientist, Royal Institute of Technology, Stockholm, Sweden (Senior fellowship,
- Swedish Council for International Cooperation in Research and Higher Education) (2000).
- The Charles Gilbert Heydon Travelling Fellowship in the Biological Sciences, University of Sydney (1991-1992).
- The Eleanor Sophia Wood Travelling Fellowship, University of Sydney (1991).
- The Science and Technology Agency Fellowship, Australian Academy of Science /Japanese Government (1993-1995).
- Postdoctoral Fellowship, National Science Council, Republic of China (1990-1993).
- Commonwealth Postgraduate Research Award (1986-1989).
- Fellow of the Royal Society of Chemistry (2000).
- Fellow of the Royal Australian Chemical Institute (1999).