

***Christina Moberg, Department of Chemistry, Organic Chemistry***

Christina Moberg obtained her B.Sc. at the University of Stockholm and her PhD at KTH with Martin Nilsson. She then joined the group of B Åkermark for two years. She became full professor at KTH in 1997. She has held visiting professorships at Louis Pasteur University in Strasbourg, and at IRCOF, Rouen.

Christina Moberg has supervised the work of about 25 PhD students and published her work in about 170 scientific papers. She has received the Göran Gustafsson price from the Swedish Academy of Sciences, the Sixten Heyman price from Gothenburg University and the Ulla and Stig Holmquist price from Uppsala University, and she has been awarded the Rosalyn Franklin Lecture tour in Britain. She is a member of the Royal Swedish Academy of Sciences and of the Royal Swedish Academy of Engineering Sciences. She has served as vice President and vice Dean of KTH for several years.

Her research interests are in the field of asymmetric metal catalysis and concern mainly the development of selective synthetic methods. Special interests concern the role of symmetry in asymmetric reactions and the design of self-adaptable ligands. She recently developed a "minor enantiomer recycling" procedure in which the undesired minor enantiomer from a catalytic process is transformed to starting material by using a second chiral catalyst. The two chiral catalysts reinforce each other, resulting in higher product enantiomeric ratios than obtained with any of the single catalysts.

**CURRICULUM VITAE**

Graduated from the University of Stockholm 1970

Ph D studies at the Department of Organic Chemistry, KTH, with Professor M Nilsson, Dissertation 1975.

Studies with Professor J Normant, Université VI, Paris, March 1-May 31, 1974.

Studies with Professor B Åkermark, Department of Organic Chemistry, KTH, 1976-78.

Became "Docent" in Organic Chemistry 1981.

Position as "Särskild forskare" (Associate Professor) in Organometallic Chemistry at the Natural Science Research Council 1989-94.

Visiting scientist at Ecole Normale Supérieure, Paris, May 1993.

Professor (bitr prof) at KTH 1994.

Professor in Organic Chemistry at KTH 1997.

Visiting scientist at ECPM, Strasbourg, November 1999.

Visiting scientist at Université Louis Pasteur, Strasbourg, February-March 2002.

Visiting scientist at IRCOF, Rouen, October 2005

Visiting scientist at University of Heidelberg, Heidelberg, November 2006 (1 week)

**SELECTED RECENT COMMISSIONS**

Member of the Swedish Research Council for Engineering Sciences 1995-2000

Vice President KTH, 1998.  
Member of the Royal Swedish Academy of Sciences 1998-  
Member of the Swedish Academy of Engineering Sciences 1998-  
Vice Dean KTH 1999-2004  
Dean KTH Febr-Apr 2004  
Member of the Board of the Swedish Research Council 2001-2003  
Member ESOC Scientific Committee 2003-2009; Chairman 2003-2005  
Vice chairman COST D31 2004-2005; Chairman 2005-2007  
Second vice President the Royal Swedish Academy of Sciences 2008-2011

## AWARDS

Received the award "Lindbomska priset" from the Academy of Sciences 1991.  
Received an award (book) for appreciated teaching at KTH 1991.  
Received the Norblad Ekstrand metal 1997.  
Received the "Göran Gustavsson-priset" 1998.  
Received "grade de Chevalier dans l'Ordre National du Mérite" from the French President 1999.  
Received the "Sixten Heyman-priset" from Göteborg University 2001.  
Excellent researcher VR 200.3  
Received the "Ulla och Stig Holmquist-priset" from Uppsala University 2006.

## SUPERVISION OF UNDERGRADUATE DIPLOMA WORK

Supervision of 50 undergraduate diploma projects, 24 students to PhD, and 20 postdoctoral students

## COMMISSIONS AS FACULTY OPPONENT

Faculty opponent at 16 doctoral dissertations in Sweden, 2 in Finland, 1 in Denmark. And 1 in Norway. Member of juries at doctoral dissertations in France, Netherlands, and Switzerland.

## PUBLICATIONS

About 170 publications in refereed journals.

## RECENT INVITED PLENARY AND SESSION LECTURES

Nordiska koordinationskemimötet, Uppsala 1999 (plenary lecture)  
OMCOS 99, Paris 1999 (session lecture)  
ESOC 99, Göteborg 1999 (session lecture)  
Norska kemistsamfundets vårmöte, Oslo 2001 (plenary lecture)  
Finska kemistsamfundet, Åbo 2001 (plenary lecture)  
OMCOS 01, Taiwan 2001 (invited short lecture)  
"John van Geuns Foundation" lecture, Amsterdam 2001  
COST D11 workshop in Supramolecular Chemistry, Slovenien 2001 (keynote lecture)  
"Undheimsymposiet", Oslo 2001 (plenary lecture)  
IUPAC International Conference on Organometallic Chemistry, Korfu 2002 (session lecture)  
Svenska organikerdagarna, Sundsvall 2002 (plenary lecture)

3<sup>rd</sup> Walden Symposium, Riga 2003 (invited lecture)  
Baltic Symposium on Organic Synthesis, Riga 2004, (session lecture)  
3<sup>rd</sup> EuChem Conference on Nitrogen Ligands, Italy 2004 (plenary lecture)  
7th Nicolaus Symposium, Aachen 2004 (plenary lecture)  
Rosalind Franklin Lectureships, UK, April 2005  
OMCOS 05, Geneva 2005 (invited short lecture)  
5th International School of Organometallic Chemistry, Camerino, Italy, September 2005  
The 55th Gordon Conference on Natural Products Chemistry, Tilton, NH, USA, July 2006  
Svenska Organikerdagarna 2006 (plenary lecture)  
8th International Symposium on Carbanion Chemistry, Madison, USA, June 2007 (session lecture)  
The Eli Lilly Lecture, ICIQ, Tarragona, November 2007  
Symposium on Combinatorial Catalysis within the 236th National ACS Meeting in Philadelphia, PA (Aug 17-21, 2008)  
Ischia International Summer School, Ischia, Italy, September 2008  
Tarragona International Summer School, Tarragona, July 2009  
“The Element”, The Royal Netherlands Chemical Society (KNCV), Utrecht 2009  
“ La Reunion Bienal de Química Orgánica”, Murcia 2010 (plenary lecture)  
BOSS XII, Namur, Belgium 2010 (plenary lecture)  
“Rena com”; Errachidia, Morocco, May 2011 (plenary lecture)  
Advances in Synthetic and Medicinal Chemistry, St Petersburg 2011 (plenary lecture)  
18th International Symposium on Homogeneous Catalysis, Toulouse, France 2012 (invited lecture)  
11th Symposium on Chemical Approaches to Chirality, Tokyo Sept 2012 (plenary lecture)