

Curriculum vitae

Pher G. Andersson, Professor in organic chemistry.

Education & appointments:

- 1985 - 1988 University studies: "Kemistlinjen 120 p" at Uppsala University, Uppsala.
- 1988 - 1991 Ph. D. studies in organic chemistry under the supervision of Prof. J. E. Bäckvall, Uppsala University, Uppsala.
- 1990 Assigned a J.S.P.S. fellowship as a guest researcher at Kyoto University.
- 91-09-27 Received a Ph. D. in organic chemistry at Uppsala University.
- 91-10-01- Appointed as "Assistant professor" at Uppsala University.
- 92-08-01- Assigned a Fulbright fellowship for a postdoc with Prof. K.B. Sharpless,
93-07-30 The Scripps Research Institute, La Jolla, USA.
- 1993 Visiting professor at IUPUI, Indiana, USA.
- 94-03-16 Appointed as "Associate professor" at Uppsala University.
- 94-09-16 Appointed a "Special Research position" (6 year) by NFR in the field
"Organometallic chemistry & methodology development".
- 99-06-01 Appointed full professor in organic chemistry (90% research) at Uppsala University.
- 2007 Visiting professor at The Research Institute in Fine Organic Chemistry, Rouen, France.
- 2010-2013 Honorary Professor at the School of Chemistry, Durban University, South Africa.
- 2013-01-01 Appointed full professor in organic chemistry (90% research) at Stockholm University

Commissions of trust:

- 2001-2006 Chairman of the European COST D24 action "Stereoselective Transition Metal Catalysed Reactions" A research network of 54 groups from 24 countries.
- 2006-2011 WG Coordinator of the European COST D40 action "Innovative Catalysis: New Processes and Selectivities" A research network of 14 groups from 10 countries.
- 2007 - Member of the Editorial Board of "Letters in Organic Chemistry"
- 2009 - Member of the Editorial Board of "The Open Catalysis Journal"
- 2009 - Board member of ISP International Science Programme at [Uppsala University](http://www.uu.se) - aims at assisting developing countries in Africa, Asia, and Latin America to strengthen their domestic research capacity within the chemical, physical and the mathematical sciences. ISP focuses on least developed countries.
- 2009 - Coordinator for the NordForsk funded network "Excellent Nordic Chemistry" with research groups from Sweden, Norway, Denmark, Finland, Estonia and Lithuania.
- 2010 - External evaluator of European Research Council grants.
- 2010 - Coordinator for the Nordic Energy funded network "Biofuels from Biomass"

Prizes & Awards:

- 1983 Awarded first price in the exhibition "Young Researchers 1983" in Stockholm with the project "Biological Nitrification and Denitrification".

- 92-08-01 Assigned a Fulbright fellowship for a postdoc with Prof. K.B. Sharpless
 1992-11-18 Awarded Bjurzons price for excellent thesis.
 1995-06-12 Awarded the Oscars price at Uppsala University.
 1996-04-18 Awarded Ingegerd Berghs grant at Uppsala University.
 1996-12-10 Awarded a SSF "Junior Individual Grant for outstanding young researchers"
 2004-09-07 Awarded The 2004 AstraZeneca Research Award "Creativity in Organic Chemistry".

List of degrees completed under my supervision

Elise B. Koroleva	Fil. Lic.	1996-12-09	Magnus Engqvist	Fil. Lic.	2003-11-24
Fredrik Johansson	Fil. Lic.	1997-01-10	Arnaud Gayet	Ph. D.	2005-01-26
Adrian Harden	Ph. D.	1997-01-24	Christian Hedberg	Ph. D.	2005-04-28
Magnus Rönn	Ph. D.	1997-04-25	Stefan Modin	Ph. D.	2004-11-19
Mikael Södergren	Fil. Lic.	1997-11-07	Anna Trifonova	Ph. D.	2005-05-28
Fredrik Johansson	Ph. D.	1998-10-16	Jarle Diesen	Fil. Lic.	2005-11-15
Pedro Pinho	Fil. Lic.	1999-09-30	Klas Källström	Ph. D.	2006-05-18
Peter Roth	Fil. Lic.	2000-05-25	Jarle Diesen	Ph. D.	2008-06-03
Sofia Nordin	Fil. Lic.	2000-05-26	Pradeep Cheruku	Ph. D.	2008-12-02
Mikael Södergren	Ph. D.	2000-06-02	Mattias Engman	Ph. D.	2009-06-02
Pedro Pinho	Ph. D.	2001-05-26	Päivi Tolstoy	Ph. D.	2009-11-26
Sophie Bertilsson	Ph. D.	2001-09-28	Alexander Papchikhine	Ph. D.	2012-06-08
Sofia Nordin	Ph. D.	2002-06-07	Jia-Qi Li	Ph. D.	2012-11-28
Jenny Ekegren	Fil. Lic.	2002-09-24	Taigang Zhou	Ph. D.	2012-11-29
Peter Roth	Ph. D.	2002-10-25	Johan Verendel	Ph. D.	2012-11-30

Postdoctoral fellows under my supervision

Ashutosh Bedekar	India	1995/1996	Tibor Tarnai	Hungary	1999/2000
Ali Taj	India	1996/1997	Angelika Magnus	Germany	2000/2001
David Guijarro	Spain	1995/1997	Ana V. Costa	Spain	2001/2002
Diego Alonso	Spain	1997/1999	Christelle Bolea	Switzerland	2001/2002
Oliver Temme	Germany	1998/1999	Rhony Aufdenblatten	Switzerland	2002/2003
Klaus Lavonn	Germany	1998/1999	Annette Bayer	Norway	2003/2004
Annette Steudel	Germany	1998/1999	Christopher Chapman	England	2004/2005
Peter Brandt	Sweden	1998/1999	Iveta Kmentova	Slovakia	2004/2005

Pher Andersson

CV

Ian Munslow

England

2005/2007

Tamara Church

USA

2007/2008

Scientific publications:

Peer-Reviewed articles:

Have authored more than 140 peer-reviewed papers which have been cited > 5500 times, have a Hirsch index of 45.

Book chapters:

Synthesis of Heterocyclic Natural Products via Regio- and Stereocontrolled Palladium-Catalyzed Reactions. Pher G. Andersson, Jan-E. Bäckvall In *Advances in Heterocyclic Natural Product Synthesis*; Pearson, W.H. (Ed.); JAI Press: Greenwich, 1996.

C-O and C-N Bond Formation Involving Conjugated Dienes and Allylpalladium Intermediates. Pher G. Andersson, Jan-E. Bäckvall In *Handbook of Organopalladium Chemistry for Organic Synthesis*, John Wiley, 2002, 1859-1874.

Chiral Amines from Transition-Metal-Mediated Hydrogenation and Transfer Hydrogenation p 179-224. Tamara L. Church and Pher G. Andersson In *Chiral Amine Synthesis, Methods, Developments and Applications*, T. C. Nugent Ed.; Wiley-VCH: Weinheim, 2010

Books:

“Modern Reduction Methods” Pher G. Andersson & Ian J. Munslow (ed) Wiley-VCH 2008

“Iridium Catalysis” Pher G. Andersson (ed) Springer Verlag 2010

Patents:

A New Method for Synthesis of Important Carbocycles. Pinho, P.; Andersson, P.G. *Patent.* Application no. 9804176-7

Novel Process and Intermediates. (Catalytic Asymmetric Total Synthesis of (+)-Tolterodine) Hedberg, C.; Andersson, P.G. *Patent.* Application no. 9904850-6

3,5-Dioxa-8-aza-tricyclo[5.2.1.0]decane-9-methanols, Their Metal Complexes and Enantioselective Hydrogenation Processes. Nordin, S. J. M.; Roth, P.; Andersson, P.G. *Patent.* Application no. SO/8-31396A/SOL

Research interests:

Organometallic chemistry, total synthesis, catalytic asymmetric synthesis, green & sustainable chemistry.