

# CURRICULUM VITAE

**Lars Baltzer**  
**Department of Biochemistry and Organic Chemistry,**  
**Uppsala University**

**Full name** Lars Harald Baltzer  
**Born** May 20, 1951 in Ytterhogdal, Sweden  
**Citizenship** Swedish citizen

## Current and previously held positions

Head, Department of Biochemistry and Organic Chemistry, Uppsala University, 2006-  
Professor of Organic Chemistry, 2004, Uppsala University  
Professor of Organic Chemistry, 2000-2004, Linköping University  
Professor of Organic Chemistry, 2000, Göteborg University.  
Associate Professor of Organic Chemistry, 1994-1999, Göteborg University  
Senior Research Council Fellow (särskild forskare) in Physical Bioorganic chemistry, 1987-94, Göteborg University  
Assistant Professor, 1983-1987, Göteborg University

## Education and training

Docent of Organic Chemistry, Göteborg University, 1987.  
Postdoctoral Fellow, 1981-83. NIH, Bethesda, Maryland, Professor Edwin Becker.  
Ph.D., 1981, Göteborg university, Professor Lars Melander.  
B. Sc. 1975, Göteborg university.

## Supervision and publication record

Main supervisor of 19 Ph D students and 6 postdocs  
More than 70 publications in international refereed journals.

## Commissions of trust.

Member, Council of the European Peptide Society, 2002-  
Member, Board of the European Society for Combinatorial Sciences 2003-  
Member, Board of the Organic Division, Swedish Chemical Society 1996-2004  
Chairman of the Board of the Swedish NMR Centre, 2001-2003.  
Delegate to the Swedish Research Council, 2001-2003  
Chairman, Recruitment Board for Chemistry, Uppsala University, 2006-

## Expert commissions

Delegate to the Swedish Research Council, 2001-  
Evaluation of Professorial Chairs in Chemistry (4).  
Evaluation of applications for the title of docent (6)  
Evaluation of applications for positions as Höghskole- and Universitetslektor (3).  
Faculty opponent for Ph D theses (9)

## Networks and Centres of Excellence

Partner, European Network on Artificial nucleases, 2000-2004.  
Partner, SSF program on Biomimetic systems, "Biomics"  
Partner, SSF program on Glycobiology.

Partner, COST program on the “Chemistry of the guanidino group”  
Partner, Formas center of excellence in Uppsala, Microbiomics  
Partner, European IP on clinical diagnostics, CARE-MAN.  
Coordinator of UppsalaBio funded Bio-X project on Lab-on-chip & Point-of-care (LOC&POC)  
Partner, Berzelii Center for Bionanotechnology, 2006-2016

### **Editorial board member**

J. Chem. Soc. Perkin Trans. 2, 2000.  
QSAR & Combinatorial Science, 2003-  
Protein Engineering and Design, 2003-

### **Guest editor**

Current Opinion of Structural Biology, 2004, Section on “Engineering and Design”, together with W. F. DeGrado. Current Opinion of Chemical Biology, 2005, section on “Model systems”, together with Paolo Scrimin.

### **Referee**

Active referee for more than ten high-level international journals

### **Organization of Conferences**

Organising committee:

Nordic NMR Symposium, Stockholm, 1995,  
Swedish NMR Centre Minisymposia on Recent Trends in NMR Spectroscopy, 1992 -98,  
ESOC-11, Göteborg, 1999.  
The Nordic NMR Symposium, 1999.

Chairman of the organising committee:

The Swedish NMR Centre at Göteborg University and the University of Oxford  
Biochemistry Department International Summer School on "The Structural Approach to the Immune System - Communication and Folding", Göteborg 1998.  
Trends in Organic Chemistry, Stockholm, 2001.

Program Committee, 5th European Symposium of the Protein Society, Barcelona, Spain, 2005

Co-Chair w Gunnar von Heijne, VII European Symposium of the Protein Society, 2007.

### **Entrepreneurial achievements**

Lars Baltzer is the founder and cofounder of Modpro AB, Crosswise AB ( with Bo Liedberg and Ingemar Lundström) and RGB Holding AB (with Bo Liedberg, Ingemar Lundström, Danielle Filippini, Andreas Bunge). Lars Baltzer is the holder/coholder of 7 patents/patent applications.

### **Key references.**

#### **Cooperative binding of human Carbonic Anhydrase II by functionalized folded polypeptide receptors**

Theresa Andersson, Martin Lundquist, Gunnar T. Dolphin, Karin Enander, Bengt-Harald Jonsson, Jonas W. Nilsson and Lars Baltzer  
Chem. Biol., 2005, **12**, 1245-1252.

**A new enzyme by rational design – the incorporation of a single His residue enables efficient thiol ester hydrolysis by human glutathione transferase A1-1.**

Sofia Håkansson, Kerstin Broo, Emma Jacobsson, Gerhard Kleywegt, Bengt Mannervik and Lars Baltzer.  
Proc. Nat. Acad. Sci. USA. 2004, **101**, 13163-13167.

**Designed, functionalized helix-loop-helix motifs that bind human Carbonic Anhydrase II – a new class of synthetic receptor molecules**

Karin Enander, Gunnar T. Dolphin, and Lars Baltzer  
J. Am. Chem. Soc. 2004, **126**, 4464-4465.

**Self-assembly of synthetic peptides control conformation and luminescence processes of a zwitter-ionic polythiophene derivative.**

K. Peter R. Nilsson, Johan Rydberg, Lars Baltzer and Olle Inganäs.  
Proc. Nat. Acad. Sci. USA. 2003, **100**, 10170-10174.