

Martin E. Schwab, Curriculum Vitae

Current position: Prof., PhD, hon. MD, Professor of Neuroscience, University of Zurich and ETH Zurich
Brain Research Institute, University of Zurich, Winterthurerstrasse 190, 8057 Zurich, Switzerland, and Dept. of Health Sciences and Technology, ETH Zurich

Date of birth: April 11, 1949

Email; phone schwab@hifo.uzh.ch; ++41 44 635 33 30 (direct)

Education and Training (Institution and localization, degree, year, field of study)

University of Basle, Switzerland	Diploma (MSc)	1972	Zoology/Botany/Chemistry
University of Basle, Switzerland	PhD	1973	Zoology
University of Basle, Switzerland	PD (Privat Dozent)	1978	Cell Biology

Research and Professional Experience

1985-present Professor for Brain Research, Brain Research Institute, University of Zurich, CH,
Director and Co-Director 1985-2014

1997-present Joint appointment as Professor of Neuroscience, Federal Institute of Technology (ETH) Zurich, CH

2001-2013 Director, National Center of Competence in Research (NCCR) "Neural Plasticity and Repair", Zurich, CH; Managing Director 2006-2013

1998 - 2010 Founder and Chairman, Neuroscience Center Zurich, CH

1979 - 1985 Group Leader, Dept. Neurochemistry (Prof. H.Thoenen), Max Planck-Inst. for Psychiatry, Martinsried, Munich, D

1978 - 1979 Research Fellow (with Prof. P.H.Patterson), Dept. Neurobiology, Harvard Medical School, Boston, Mass., USA

1974 – 1978 Postdoc, Dept. of Pharmacology (with Prof. H. Thoenen), Biocenter of the University of Basle, CH

Professional Activities: Current assignments

Since 2016 Member of the Board of Experts of the Excellence-Strategy of the Federal Government of Germany

Since 2015 Senator and representative of Switzerland in the Senate of Leopoldina, German National Academy

Since 2013 Vice-President of Swiss Academy of Medical Sciences (SAMW), Board Member since 2009

Since 2010 Board Member, Dr. Wilhelm Hurka Stiftung; Zurich, Switzerland

Since 2009 Panel Member, European Research Council (ERC) Panel LS5 "Neuroscience", Belgium
Chairman since 2015

Since 2007 Member, Scientific Advisory Board, Hocoma AG, Medical Engineering, Volketswil, Switzerland; chairman 2007-2016

Since 2004 Board Member, Ulrich Schellenberg Award, Geneva, Switzerland

Since 2003 Member, Award Committee, Sobek-Research Prize, Roman, Marga and Mareille Sobek-Foundation, Renningen, Germany

Since 2001 Board of Directors, Swiss Society of Friends of the Weizmann Institute of Science, Zurich, Switzerland

Since 1991 Member, Scientific Advisory Board, International Research Institute for Paraplegia, Zurich, Switzerland

Important former assignments:

2012-2016 Member, Executive Committee Department Health Science and Technology, ETHZ, Zurich, Switzerland

2008-2014 Member and chair, Science Advisory Board, Friedrich Miescher Institut, Basel; Switzerland

2004 – 2008 Member, Scientific Expert Commission, Robert Bing and Théodore Ott Award, Swiss Academy of Medical Sciences, Basel, Switzerland

2003 - 2015 Member, External Scientific Advisory Board, Medical Faculty, University of Geneva, Switzerland

2003 – 2007 Member, Scientific Advisory Board, Neuroscience Institute, Göttingen, Germany

2002 – 2015 Member and first Vice-Chairman, Board of Trustees, Marcel Benoist Foundation, Federal Office for Education and Science, Berne, Switzerland

2001 – 2007 Member of the board for the Promotion of Young Scientists, University of Zurich, Switzerland

1998 – 2006 Chairman, Scientific Advisory Board, Max-Planck-Institute for Brain Research, Frankfurt, Germany

1997 – 2004 President, Committee for SNF Professorships, Swiss National Science Foundation (SNF)

1997 – 2003 Member, Scientific Advisory Board, Max-Delbrück-Centre for Molecular Medicine (MDC), Berlin-Buch, Germany

1999 – 2002 Member, Scientific Advisory Board, Max-Planck-Institute for Developmental Biology, Tübingen, Germany

1991 – 1999 Member, Scientific Council, Section Biology/Medicine, Swiss National Science Foundation (SNF)

Patents

1997 Patent Application No. 08/942,013, Neurite Growth Regulatory Factors Martin E. Schwab, Pierenrico W. Caroni, Paolo A. Paganetti, University of Zurich

- 1998 Patent Application No. PCT/US99/26160, Nucleotide and protein sequences of Nogo genes and methods based thereon Martin E. Schwab, Maio S. Chen, University of Zurich
- 2002 Patent Application No. PCT/EP2003/013960, Nogo-A binding molecules and pharmaceutical use thereof co-owned by University of Zurich and Novartis: Martin E. Schwab, Carmen Barske, Anis K. Mir, Thomas Oertle, Lisa Schnell, Alessandra Bitoliti, Mauro Zurini,
- 2005 Application No.: PCT/EP2006068457, Biomarkers for anti-Nogo-A antibody treatment in spinal cord injury co-owned by University of Zurich and Novartis: Martin Schwab, University of Zurich, Anu Kinnunen, Laura Montani, Leda Dimou, Anis Khusro Mir, Lisa Schnell
- 2006 Patent Application No.: 06124350.7, LINGO binding molecules and pharmaceutical use thereof co-owned by University of Zurich and Novartis: Martin Schwab, University of Zurich, Adrian Walmsley, William Leonard Wishart, Marta Cortes-Cros, Josef Prassler, Ingo Klagge
- 2007 Patent Application No.: PCT/EP2008064501, Improved Nogo-A binding molecules and pharmaceutical use thereof co-owned by University of Zurich and Novartis: Martin E. Schwab, University of Zurich, Barske Carmen, Frentzel Stefan, Mir Anis Khurso, Vitaliti Alessandra
- 2010 US application n° 61/362,876, New uses of Nogo-A inhibitors and related methods Co-owned by University of Geneva, University of Zurich: Pedro Herrera, Claire Bonal, Martin E. Schwab

Honours and Awards

- 2016 Distinguished Visiting Professorship, Rehabilitation Institute of Chicago, IL
- 2016 Schellenberg Prize, International Foundation for Research in Paraplegia, Switzerland
- 2014 Distinguish Lecture at the DKFZ (German Cancer research Institute), Heidelberg
- 2012 European Research Council (ERC) Advanced Grant
- 2012 'Conférence de Préstige', ICM, Salpêtrière, Paris
- 2011 Paul Broca Lecture, French Neuroscience Society, Marseille
- 2009 Eli Lilly Neuroscience Lecture, University of Montreal
- 2007 Betty and David Koetser Prize
- 2007 Jan Swammerdam Lecture, Amsterdam, Netherlands
- 2006 Grass Lecture of the Society of Neuroscience, Louisville, KY, USA
- 2005 Alex-F. Muller Lecture of the University of Geneva, Switzerland
- 2005 Prix Mondial Nessim Habif of the University of Geneva, Switzerland
- 2004 The 4th MSD-Cambridge Neurology Lecture, Cambridge, UK
- 2004 Raths Steiger Lecture of the ETH Zurich, Switzerland
- 2003 James C. White Lecture, Mass. General Hospital and Harvard Medical School, Boston, Massachusetts, USA
- 2002 Klaus Joachim Zülch Prize of the Gertrud Reemtsma Foundation and the Max-Planck-Society, Cologne, D
- 2002 Segerfalk Award Lecture, Lund, Sweden
- 2002 Carus-Prize of the City of Schweinfurt, Germany
- 2001 Carus-Medal of the German Academy of Natural Scientists Leopoldina, Halle, Germany
- 2001 EMBL Distinct Visitor Lecture
- 2001 Member of the Swiss Academy of Medical Sciences
- 2001 Honorary Doctor of Medicine, University of Basle, Switzerland
- 2000 Kilby Internat. Award, Kilby Awards Foundation, Dallas, TX, USA

Earlier Awards include: 1999, **Eduard Buchner Prize**, German Society for Biochemistry and Molecular Biology; 1999, **Louis B. Flexner Lecture**, Univ. of Pennsylvania School of Medicine, Philadelphia, PA, USA; 1996, **1st Christopher Reeve Research Medal**, Reeve-Irvine Research Center, College of Medicine, UC Irvine, USA; 1996, **Honorary Medal Lecture of the European Spine Society**; 1996, **Donald D. Matson Lecturer**, Children's Hospital and Harvard Medical School, Boston, MA, USA; 1995, **Victor Hamburger Award for new vistas in developmental neuroscience**; 1994, **The Wakeman Award for Research in the Neurosciences**; 1994, **Marcel Benoist Prize**, Marcel Benoist Foundation, Berne, Switzerland; 1994, **3rd Levi-Montalcini Lecture**, Turin, Italy; 1993, **Knight Foundation Visiting Professor Lectureship**, Miami, FL, USA; 1992, **37th George H. Bishop Lecture in Experimental Neurology**, Washington University, St Louis, USA; 1992, **Ernst Jung Prize for Medicine**, Hamburg, Germany; 1991, **Sheila Van Damm-Award of the Internat. Spinal Research Trust**, Enfield, UK; 1990, **Ameritec Prize of the Ameritec Foundation**, Corina-Los Angeles, CA, USA; 1990, **Heiner Sell Lecturer**, American Spinal Injury Association Meeting; 1990, **Cloëtta Prize of the Dr. Max Cloëtta Foundation**, Zurich, Switzerland; 1979, **Robert Bing Prize**, Swiss Academy of Medical Sciences, Switzerland

Current Grant support

Swiss National Science Foundation

European Research Council (ERC), advanced grant

ERC, POC grant

Wyss Translational Center UZH/ETHZ

Christopher and Dana Reeve Foundation (Springfield, NJ)

EU Horizon 2020 program Health: Grants NISCI and N2Bpatch

Publications (according to Thomson-Reuters *Web of Science*):

Total Articles in Publication List: 338

Articles with Citation Data: 338

Sum of the Times Cited: 28851

Average Citations per Article: 85.36

h-index: 86