

Martin E. Schwab, Curriculum Vitae

Current position: Prof., PhD, hon. MD, Professor of Neuroscience, University of Zurich and Professor emeritus ETH Zurich
Institute of Regenerative Medicine, Wagistrasse 27, 8952 Schlieren, Switzerland

Date of birth: April 11, 1949

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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

2018 -present Professor of Neuroscience, Institute of Regenerative Medicine, University of Zurich

2015 -present Founding Board member and President of NovaGo Therapeutics Inc., Zurich

1985-2018 Professor for Brain Research, Brain Research Institute, University of Zurich, CH,
Director and Co-Director 1985-2014

1997-2019 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 2018 Scientific advisor of clinical study 'Deep Brain Stimulation in patients with incomplete spinal cord injury for improvement of gait' (KOFAM SNCTP000000598)

Since 2017 Scientific co-director of clinical study 'Antibodies against Nogo-A to enhance regeneration and functional recovery after acute spinal cord injury, a multicentre European clinical proof of concept trial', EU Horizon 2020 project 681094

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

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

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

Important former assignments:

2016-2019 Member of the Board of Experts of the Excellence-Strategy of the Federal Government of Germany

2013-2018 Vice-President of Swiss Academy of Medical Sciences (SAMW), Board Member since 2009

2009 - 2017 Panel Member and chair, European Research Council (ERC) Panel LS5 "Neuroscience", Brussels, Belgium

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

2008-2014 Member and chair, Science Advisory Board, Friedrich Miescher Institute, 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

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

2001 - 2019 Board of Directors, Swiss Society of Friends of the Weizmann Institute of Science, Zurich, 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 Chair, 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 - 2019 Member, Scientific Advisory Board, International Research Institute for Paraplegia, Zurich, Switzerland

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 Biteliti, 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

Honors and Awards

- 2018 Honorary Medal of Eurospine (Federation of European Spine Surgeons)
- 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 Habib 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 International Prize for Translational Neuroscience 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 International Award, Kilby Awards Foundation, Dallas, TX, USA
- 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 Swiss Science 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

Grant Support, major grants

Swiss National Science Foundation (1985 – 2018)
European Research Council (ERC), advanced grant (2012-2017)
ERC, POC grant (2017-2018)
Wyss Translational Center of Wyss Zurich (University of Zurich and ETH Zurich)
Christopher and Dana Reeve Foundation (Springfield, NJ) (1994-2018)
Wings for Life (Salzburg, Austria)
EU Horizon 2020 program Health: Grants NISCI and N2Bpatch

Publications:

Citation Report according to Google Scholar (07/2020):

Search Term: Schwab ME
Total number of refereed articles: 385
Sum of the times cited: 55'304
H-index: 124