

Martin E. Schwab, Curriculum Vitae

Current position: Prof., PhD, hon. MD mult., 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, NCT03935321

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

2022	Honorary doctoral degree (MD), University of Bonn
2021	Wings for Life Key note lecture at ISCoS (International Spinal Cord Injury Society), Vancouver
2018	Honorary Medal of Eurospine (Federation of European Spine Surgeons)
2017	Honorary member, Swiss Society for Neuroscience
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 4 th 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	Segefalk 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	3 rd 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:

i10-index (Publications with at least 10 citations): 349

Sum of the times cited: 62'425

H-index: 132