

Academic Curriculum Vitae Februar 2020

Univ.-Prof. Dr. Stefan Kiechl

Office Address: Department of Neurology, Medical University of Innsbruck, Anichstr. 35, A-6020 Innsbruck

Date of Birth: August 7, 1965

Married to: Ursula Kiechl-Kohlendorfer

Two children: Sophia born on March 16, 1995 and Marlene born on April 17, 1999



Education and Employment

From (year) to (year)

	1984	Secondary School graduation (A Level) in Innsbruck
	1990	Medical degree with distinction (Dr. sub auspiciis praesidentis rei publicae) from the University of Innsbruck
1991	1997	Board certification in Neurology and Psychiatry; post-graduate training in epidemiology and biostatistics
1991	present	Co-PI of the Bruneck Study
2000		Venia docendi received from the University of Innsbruck, Faculty of Medicine (Topic: Natural course of carotid atherosclerosis: implications for the prevention of ischemic stroke)
2000	present	Associate Professor of Neurology and Head of the Stroke Unit and Neurovascular Research Group at the Medical University of Innsbruck (together with J. Willeit)
2007	present	PI of the Tyrol Stroke Pathway (together with J. Willeit)
2012	2014	Management training and advanced courses in managerial-economics, health economics and quality management
2014	2016	Member of the Editorial Board and Guest Editor of <i>Circulation</i>
2017	present	Member of the Editorial Board of <i>Stroke</i>
2014	2018	PI of the COMET K-Project VASCage (FFG)
2019	present	CSO of the COMET Centre VASCage-C (FFG)
2016	present	President of the Austrian Stroke Society
2017	present	Member of the Collegium Sub Auspiciis
2018		Outstanding Reviewer Award Stroke of the American Heart Association
2019	present	Professor of Clinical Stroke Research
10/2019		Professor of Neurology, Director of the Department of Neurology at MUI

Research (main areas)

Ischemic Stroke: acute therapy, prevention, and disease management

Epidemiology and pathogenesis of atherosclerosis and cardiovascular disease

Vascular aging and longevity

Epidemiology of age-related neurological diseases

Selected Projects and Grants

Risk prediction in vascular disease – innovative biomarkers and risk scores (Tyrol Score) funded by the 'Tiroler Standortagentur': 2012-2015, 342 K€

Role of iron metabolism and retention in atherosclerosis TRP 188-B12 FWF: 2011-2014, 297 K€ (collaboration G. Weiss, Medical University of Innsbruck)

Scientific Lead for the integrative stroke care project 'Tyrol Stroke Pathway' Reformpool: 2008-2017, 460 K€ for the initial project phase and approx. 100 K€ annually thereafter

Principal investigator for the RCT 'Disease Management Stroke (Stroke Card)': 2014-2017, 850 K€

Chair of the K-Project VASCage Tyrol: 2014-2018, 4.3 mio. €

Funding for the Bruneck Study: BHF, MRC, NRC, Diabetes UK, FWF, Leducq, etc.: approx. 4 mio. €

CSO of VASCage-C (K-Centre): 17.4 mio. € for the first four years

Honours and Awards

33 publications were awarded a total of 43 national and international prizes, e.g. best manuscript award 2011 from Circulation Research (AHA), ATVB Editorial Board High Citation Award 2016, Karl Hermann Spitzzy Award, INTEGRI Award, etc.

Otto Kraupp Award for one of the best medical 'Habilitation' (venia docendi proceeding) in Austria 2000

Nominated for the Wittgenstein Award 2013 and 2018 (FWF)

Research Excellence Award of the European Stroke Organization ESO 2016

The Tyrol Research Award 2016

Publications

335 publications in peer reviewed journals, Σ IF 4530, average IF per publication > 13

85 papers in the NEJM, Lancet, Lancet Neurology, JAMA, Circulation, JACC, EHJ and Nature Medicine / Genetics

H-Factor 88

Σ Citations: ~37.600, > 80 per publication, > 4500 in 2018, 85 original articles with more than 100 citations (max. 900 for lead authorship)

Laborjournal 2006: Rank 35 in the number of citations among all German-speaking neuroscientists and rank 6 for the top-cited paper. Since 2006 the number of citations has increase by a factor of 7.

Lead author for Basic Science Research (e.g. Nat Med 2013), Clinical-Epidemiological Research (e.g. NEJM 2002), and Applied Research (e.g. Lancet Neurol 2015)

Selected key publications with lead authorship:

Pechlaner R, Tsimikas S, Yin X, Willeit P, Baig F, Santer P, Oberhollenzer F, Egger G, Witztum J, Alexander VJ, Willeit J, **Kiechl S**[†], Mayr M[†]. Very Low-Density Lipoprotein Associated Apolipoproteins Predict Cardiovascular Events and Are Lowered by Inhibition of ApoC-III. **JACC** 2017; 69:789-800. [†] shared corresponding author.

Willeit J, Geley T, Schöch J, Rinner H, Tür A, Kreuzer H, Thiemann N, Knoflach M, Toell T, Pechlaner R, Willeit K, Klingler N, Praxmarer S, Baubin M, Beck G, Berek K, Dengg C, Engelhardt K, Erlacher T, Fluckinger T, Grander W, Grossmann J, Kathrein H, Kaiser N, Matosevic B, Matzak H, Mayr M, Perfler R, Poewe W, Rauter A, Schoenherr G, Schoenherr HR, Schinnerl A, Spiss H, Thurner T, Vergeiner G, Werner P, Wöll E, Willeit P, **Kiechl S**. Thrombolysis and clinical outcome in patients with stroke after implementation of the Tyrol Stroke Pathway: a retrospective observational study. **Lancet Neurol** 2015;14:48-56.

Stegemann C, Pechlaner R, Willeit P, Langley S, Santer P, Rungger G, Willeit J, **Kiechl S**[†], Mayr M[†]. Lipidomics profiling and cardiovascular disease risk in the prospective population-based Bruneck Study. **Circulation** 2014; 129:1821-31. [†]shared corresponding. Editor's Pick May 2014.

Kiechl S, Wittmann J, Giaccari A, Knoflach, Willeit P, Bozec A, Moschen A, Muscogiuri G, Sorice GP, Kireva T, Summerer M, Wirtz S, Luther J, Mielenz D, Billmeier U, Egger G, Mayr A, Oberhollenzer F, Kronenberg F, Orthofer M, Penninger J, Meigs JB, Bonora E, Tilg H, Willeit J, Schett G. Receptor Activator of Nuclear Factor- κ B (RANKL) and Risk of Type II Diabetes Mellitus. **Nature Medicine** 2013;19:358-63.

Tsimikas S, Willeit P, Willeit J, Santer P, Mayr M, Xu Q, Witztum JL, **Kiechl S**. Oxidation-specific biomarkers and prospective 15-year cardiovascular outcomes. **JACC** 2012;60:2218-29.

Kiechl S, Lorenz E, Reindl M, Wiedermann CJ, Oberhollenzer F, Bonora E, Willeit J, Schwartz DA. Toll-like receptor 4 polymorphisms and atherogenesis in humans. **NEJM** 2002;347:185-92.

Mentoring

Supervision of more than 20 Diploma and PhD Theses

Award of Excellence of the BMWFW (Austrian Federal Ministry of Science, Research and Economy) for one of the best PhD Theses in Austria in 2015 conferred on my PhD student Raimund Pechlaner, recently my PhD student Karin Willeit finished her thesis with distinction and already disposes of 12 top publications, all my mentees spent at least 6 months abroad

Awards for the best Diploma Thesis 2016 in the neurovascular field conferred on my diploma students Leo Poguntke and Christoph Böhler and the Tuba Scholarship awarded to my diploma student Peter Willeit

Promotion of the careers of many successful scientists and young rising stars such as Michael Knoflach (i.a. Otto Kraupp Award for the best medical 'habilitation' in Austria in 2013) and Peter Willeit (i.a. Erwin Schrödinger Fellowship of the Austrian Science Fund, EUREGIO Young Investigator Award 2013, UK Research Paper of the Year Finalist - The BMJ Awards 2015, and AHA Young Investigator Finalist in Functional Genomics and Translational Biology 2015)

Academic Altera

President of the Austrian Stroke Society and member of the Austrian Society of Neurology, European Stroke Society and World Stroke Society, Fellow of ESO (FESO) since 2016 and ESO Faculty Member since 2015

Strong international collaborations: Verona (E. Bonora., M. Muggeo), Rome (A. Giaccari), Erlangen (G. Schett), Frankfurt (M. Lorenz), King's College London (M. Mayr, Q. Xu), Imperial College London (M. Ezzati), Cambridge (S. Thompson, H. Markus), UCSD (S. Tsimikas, J. Witztum), Harvard (E. Benjamin, J. Meigs, G. Danaei, C. Newton-Cheh), Lund (B. Norrving), and many more. Steering board, writing committee or founding member of international research consortia: FSC, ERFC, LSC, NPSC, IMT-PROG, Prof-Athero, GBD, NCD, and many more.

Editorialist for Lancet, JACC, Circulation, EHJ and many other journals

Review Board of the NEJM since 2002, Academic Editor for PLOS One since 2010

High-frequency reviewer for all major medical journals (about 50 per year) and a number of national and international funding bodies, overseas assessor for core BHF grants, and AIQI Peer Reviewer for the Austrian Ministry of Health

More than 200 invited lectures and presentations given at leading universities and international congresses

Applicant or co-applicant for six patents

Member of the organizing committee for a large number of congresses (highlights: World Stroke Congress Vienna 2008, ESOC 2015 in Glasgow, 2016 in Barcelona, 2017 in Prague and 2018 in Gothenburg) and the planned joint congress ESO/WSO/ÖGSF in Vienna 2020

Contribution to innovative teaching concepts (i.a. POL, Skills Lab, European Academy of Neurology e-brain platform), average of > 10 teaching hours per semester in undergraduate and graduate training for more than 15 years, founding member of the Education Task Force of the Austrian Society of Neurology

Hobbies and Sport Activities

Mathematics: Austrian Champion in Mathematics 1984 and Bronze Medal winner in the International Mathematical Olympiad 1984 in Prague

Mountain guide for rock climbing beyond UIAA V 1986; Sports climbing up to UIAA XI

Sports trainer and specialist trainer in climbing (training course at the University of Innsbruck 1986-1988)

Travel, mountaineering, photography, diving, etc.