

Dr. med. Kourosh Roushan

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year of birth	1984
nationality	Swiss, German
living in CH	since April 2012
marital status	married
languages spoken	German, English, Farsi



As a young, motivated physician with deeply rooted moral values and high standards for humanity and quality healthcare, I find it very difficult to maintain my bearings in today's healthcare system. I am convinced that we need to go back to the basics of healthcare and rethink existing structures. I am motivated and convinced that this is possible with the technologies and principles already available today, especially from other industries. In addition to a vision for the future of medicine, it takes a lot of hard work, a high tolerance for frustration, and motivation to implement this vision. I want to contribute my part to this transformation of medicine. I find the interfaces between the tech industry and medicine particularly exciting here.

In terms of content, I have focused on major topics that are, in my opinion, poorly served in the area of healthcare in recent years. These include dizziness/balance disorders and hearing disorders, especially tinnitus and headaches. In addition to the entire spectrum of otolaryngology - including allergology and sleep medicine - I currently offer direct patient care in Liestal with a focus on ENT.

Furthermore I am about to start my vision of a new concept for a private practice of the future: An interdisciplinary, interprofessional concept that focuses on preventive medicine and incentives outcome & success instead of just treating patients & illnesses. All of that with a digital first approach that focuses on the health of each individual (including the physician's & medical assistants'). Autonomy of the patient will play a key role in achieving this dream. And AI has made that dream possible.

Interdisciplinary and interprofessional work is extremely important to me and it is a matter close to my heart to bring everyone closer together with the focus on improving patient care without being distracted by the financial and political "background noise" that unfortunately too often intervenes in our daily medical practice.

I am motivated to face the professional challenges of the future. With my unconventional and broad-based professional CV, I am convinced that I am ideally positioned to play a key role in shaping the future of medicine.

### Summary of my tabular CV:

Born in Iran, my family fled to Germany with me at the age of 3 during the last year of war between Iran and Iraq.

I grew up in Neuss and completed my studies in human medicine in Düsseldorf and Munich, with internship rotations in New York (Mount Sinai School of Medicine), Texas (Texas Heart Institute), Sydney (Royal North Shore Hospital) and Zurich (Unispital Zurich).

I started my residency in Munich in 2010. During this time, I had a strong focus on profession-related politics between 2011 and 2017, including serving as a resident spokesman for the German Society for ENT, the German ENT Academy, as a founding member of the interdisciplinary association of young doctors in Germany «Bündnis Junge Ärzte» 2013 (active member until 2017) and with the conception and implementation of a specialist preparation course (ENT Repititorium in Berlin). In addition to my surgical training, my professional focus has been on the treatment of dizziness and balance disorders (neurotology) since the beginning (2010). In the course of my medical career, I was also involved in research at the Ear Laboratory of the University Hospital Basel (2014 to date, since 2017 as an independent researcher), in cooperation with Mass Eye and Ear, Harvard Medical School in Boston. Between 2017 and 2020, I established an ENT practice in an interdisciplinary setting on top of a general practitioners practice. At the same time, I was the leading physician of neurotology at the Kantonsspital Olten from 2017-2021, where I was responsible for setting up and co-managing the interdisciplinary dizziness board. Between 2020 and 2022, I acquired my certificate of competence for delegated psychotherapy in Zurich. This was followed by a residency in neurology between 2021 and 2024, with a focus on vertigo treatment for the first 2.5 years and headache treatment for the last 1.5 years. Since February 2022, I have been expanding the interdisciplinary otoneurological center at the ENT practice Dr. Molnar.

In the summer of 2023, I started building an interprofessional network for artificial intelligence in medicine and in January of this year I founded my one-man company "hae.lum" with a focus on prevention, artificial intelligence and aesthetics in healthcare. The company is intended to lay the foundation to establish my own medical practice and to accelerate my further entrepreneurial projects.

On July 30, 2024, I founded Lum Health Group AG, a stock company, which is intended to give investors and supporters the opportunity to participate in a medical future that is a healthy alternative to the current trend.

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#### current professional activities

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since July 2024	founder, CEO & member of the board of directors, Lum Health Group AG, Basel, Switzerland
since Feb 2024	medical & aesthetic work under «lum esthetics» at CP Praxis Basel, Switzerland
since Jan 2024	Self-employed activity in the newly founded company, «hae.lum : lum health, lum ai, lum esthetics»
since Feb 2022	specialist for Otorhinolaryngology / ENT, leading physician otoneurology centre Dr. Molnar, Liestal, Switzerland
since Nov 2017	freelance research activity as a research associate, experimental audiology and neurotology at the University Hospital Basel, Switzerland

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#### working experience

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Sep 2022 – Jan 2024	ENT specialist, Practice for Neurology & Headache Dr. Schiess, Zurich, Switzerland
Apr 2021 – Feb 2023	ENT specialist, Balance Clinic, Zürich, Switzerland
Jan 2018 – Dec 2021	leading physician, ENT department, Kantonsspital Olten, Switzerland
Nov 2017 – Jun 2020	ENT specialist, Medicusana AG, Ambulatorium Dreispitz, Münchenstein, Switzerland
July 2016 – Dec 2017	senior physician, ENT department, Kantonsspital Olten, Switzerland

Nov 2015 – Oct 2017	research associate, experimental audiology and neurotology at the University Hospital Basel, Switzerland
Jan 2014 – Oct 2015	resident physician, ENT department, Kantonsspital Olten, Switzerland
Jan 2014 – Oct 2015	freelance research activity as a research associate, experimental audiology and neurotology at the University Hospital Basel, Switzerland
Apr 2012 – Dec 2013	resident physician, ENT department, University Hospital Basel, Switzerland
Jan 2010 – Mar 2012	resident physician, ENT department, University Hospital Klinikum rechts der Isar, Technical University Munich, Germany

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## d i p l o m a

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April 2017	Recognition MEBEKO foreign medical diploma and Recognition MEBEKO Oto-Rhino-Laryngology (ORL), GLN 7601003912609
January 2016	Recognition as a specialist in otorhinolaryngology, issued in Munich by the Bavarian State Medical Council
November 2009	Approval as a physician, issued in Munich by the government of Upper Bavaria
Juni 2022	SGUM Certificate of Competence for Head/Neck Sonography and Doppler Examination
May 2022	Certificate of Competence for Delegated Psychotherapy FMPP
March 2022	Recognition as an ORL expert by the AHV/IV Switzerland
November 2017	Certificate of Competence for Respiratory Polygraphy (sleep medicine)
Februar 2016	Basic and Advanced Course "Good Clinical Practice", University Hospital Basel
Januar 2016	Basic Statistics" Course, University Hospital Basel
August 2010	Research investigator course, "Introduction to Good clinical Practice"

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## m e m b e r s h i p s

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since May 2022	SGUM (Swiss Society for Ultrasound Medicine)
since April 2017	VSAO (Association of Swiss Resident and Senior Physicians)
since April 2017	FMH, Medical Association, Switzerland
since November 2016	Swiss Society for Oto-Rhino-Laryngology, Head and Neck Surgery (SGORL)
since March 2010	German Society for Otorhinolaryngology, Head and Neck Surgery (DGHNO)
Nov 2013 – Feb 2018	Founding Member, "Bündnis JUNGE ÄRZTE" Germany (Interdisciplinary Interest Group of resident physicians)
Jun 2011 – May 2016	Resident Representative, German Society for Otorhinolaryngology, Head and Neck Surgery (DG HNO KHC e.V.) (Chair: June 2011 - May 2014)
Sept 2012 – Nov 2016	resident member, Swiss Society for Oto-Rhino-Laryngology, Head and Neck Surgery (SGORL)
Sept 2014 – Nov 2015	Founding Member, YoungSGORL, Resident Representative, Swiss Society for Oto-Rhino-Laryngology, Head and Neck Surgery (SGORL)
May 2013 – May 2014	Member of the executive committee, German Academy of Otorhinolaryngology, DG HNO KHC e.V.

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## p r o j e c t s

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since April 2017	concept & realisation of a repetition class for ENT: "HNO Repititorium" - specialist preparation course in Berlin
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Nov 2013 – Feb 2018 creation and administration of the website «Bündnis JUNGE ÄRZTE» -  
www.jungeärzte.de  
Mai 2012 – Mai 2016 concept and administration of the resident physician website, DG HNO -  
assistenten.hno.org

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scientific work

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dissertation:

January 2017 doctoral thesis, "Investigation of histone modification pattern in pancreatic hyperinsulinism", experimental research, Prof. A. Raffel, Department of General, Visceral and Pediatric Surgery, University Hospital Düsseldorf, Germany

publications:

March 2021 Effect of conservation method on ear mechanics for the same specimen. Graf L, Arnold A, Roushan K, Honegger F, Müller-Gerbl M, Stieger C. In Hear Res. 2021 Mar 4 01:108152. doi: 10.1016/j.heares.2020.108152

October 2018 Balance Control during. Stance and Gait after Cochlear Implant Surgery. Stieger C, Siemens X, Honegger F, Roushan K, Bodmer D, Allum J, In Audiol. Neurootol. 2018;23(3):165-172. doi: 10.1159/000492524

March 2016 Balancing family and career – where is the change in people’s minds? Bündnis JUNGE ÄRZTE, Der Internist, March 2016, Volume 57, Issue 3, pp 273-274, doi: 10.1007/s00108-016-0036-8

January 2016 Pressures in the human cochlea during bone conduction. Stieger C, Farahmand RB, Page BF, Roushan K, Merchant JP, Abur D, Rosowski JJ, Nakajima HH, In Mechanics of Hearing: Protein to Perception, AIP Conference Proceedings 1703, 060004 (2015); doi: 10.1063/1.4939359

Juli 2015 Young doctors do want to do research – countering the loss of the attraction of academic research. Bündnis JUNGE ÄRZTE, Der Internist, July 2015, Volume 56, Issue 7, pp 820-821

November 2014 Position paper of the Bündnis JUNGE ÄRZTE on the increasing workload in the German healthcare system. Bündnis JUNGE ÄRZTE, Der Internist, November 2014, Volume 55, Issue 11, pp 1342-1343, doi: 10.1007/s00108-014-3615-6

November 2011 Global histone modification pattern predicts poor prognosis in organic hyperinsulinism. Raffel A, Krausch M, Roushan K, Anlauf M, Henopp T, Hafner D, Lehwald N, Kröpil F, Schott M Eisenberger CF, Knoefel WT, Stoecklein NH. In Hormone and Metabolic Research, Thieme Verlag, 2011 Nov;43(12):858-64. doi: 10.1055/s-0031-1291271

lectures & presentations:

June 2019 Experimental ear mechanics: Are fresh cadavaric specimens better than conserved specimens? Graf L, Roushan K, Honegger F, Stieger C, Vortrag zur 106. Frühjahrsversammlung der Schweizerischen Gesellschaft für Oto-Rhino-Laryngologie, Hals- und Gesichtschirurgie, Kongresszentrum, Davos Schweiz

June 2017 Laser Doppler vibrometry as an intraoperative test for superior semicircular canal dehiscence. Feasibility study with human Thiel-embalmed whole-head

- specimens. Roushan K, Honegger F, Stieger C, Posterpräsentation S04-G, Mechanics of Hearing 2017 (MoH), Brock University, Ontario, Kanada
- June 2017 Balance Control after Cochlea Implant surgery. Roushan K, Siemens XK, Honegger F, Bodmer D, Stieger C, Allum JHJ, Vortrag FP30 zur 13th Congress of the European Federation of Audiology Societies (EFAS) 2017, Interlaken, Schweiz
- October 2016 Balance Control after Cochlea Implant surgery. Roushan K, Siemens XK, Honegger F, Bodmer D, Stieger C, Allum JHJ, Posterpräsentation zur BMT 2016 Dreiländertagung, Swiss, Austrian and German Societies of Biomedical Engineering, Basel, Schweiz
- February 2015 Phase Difference Between Stapes and Round Window Motion as an Indicator of Inner-ear Integrity. Roushan K, Chien W, Ravicz M, Rosowski JJ, Nakajima HH, Stieger C, Posterpräsentation PS-361, 38th Annual Midwinter Meeting Association for Research in Otolaryngology (ARO), Baltimore, USA
- June 2014 Measurement of the phase shift between the oval and round window as a potential quality criteria for the inner ear in human temporal bone preparations. Roushan K, Nakajima HH, Stieger C. Poster presentation at the 101st Spring Meeting of the Swiss Society for Otorhinolaryngology, Head and Neck Surgery, OLMA Fair, St. Gallen, Switzerland.
- April 2012 Histone modification patterns in organic hyperinsulinism. Raffel A, Krausch M, Roushan K, Anlauf M, Schott M, Cupisti K, Knoefel WT, Stoecklein NH. 129th Congress of the German Society of Surgery 2012; Berlin.