



# Dr. med. Dr. sc. nat. Mathias Abegg

Facharzt für Ophthalmologie, spez. Ophthalmochirurgie

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## Sprachen

DE

## Ausbildung

- 2010 Fellowship in Schielchirurgie, Rotterdam Eye Hospital, Holland
- 2004–2007 Assistenzarzt an den Universitätsaugenkliniken Zürich und Bern
- 2000–2004 Internationales PhD-Programm in Neurowissenschaft, Zentrum für Neurowissenschaft Zürich
- 1999–2004 MD/PhD-Programm am Institut für Hirnforschung Zürich
- 1993–1999 Medizinstudium in Zürich und Lausanne

## Berufserfahrung

- seit 2022 Mitinhaber und Augenarzt, ONOVIS Augenpraxis, Bern
- 2014–2022 Leitender Arzt Orthoptik, Universitätsklinik für Augenheilkunde, Inselspital, Bern
- 2010–2014 Oberarzt, Universitätsklinik für Augenheilkunde, Inselspital, Bern
- 2008–2009 Fellow in Neuroophthalmologie, Universität of british Columbia, Kanada
- 2006–2007 Assistenzarzt, Universitätsklinik für Augenheilkunde, Inselspital, Bern
- 2004–2006 Assistenzarzt, Universitätsspital Zürich
- 1999–2004 Doktorand, Institut für Hirnforschung Zürich

## Kompetenzen

### Berufliche Qualifikationen / Abschlüsse

- 2017 - Assoziierte Professur, Universität Bern
- 2017 - Schwerpunkttitel „Ophthalmochirurgie“
- 2014 - Habilitation, Universität Bern
- 2008 - Facharzt FMH & F.E.B.O. für Ophthalmologie,
- 2005 - Promotion zum Dr. sc.nat., Universität Zürich  
Dissertationstitel: „Neurotransmission in the Injured Brain“
- 2003 - Diplom in Neurobiologie, Physiologie und Molekularbiologie, Universität Zürich
- 2001 - Promotion zum Dr. med., Universität Zürich  
Dissertationstitel: „Therapeutic Strategies in Retinitis Pigmentosa: light at te End of the Tunnel“

## Publikationen

- Belachew, Nebiyat F., Severin Baschung, William Almiri, Ruben Encinas, Johannes Kaesmacher, Tomas Dobrocky, Christoph J. Schankin, et al. "Casper Versus Precise Stent for the Treatment of Patients with Idiopathic Intracranial Hypertension." *Clinical Neuroradiology*, May 18, 2021. <https://doi.org/10.1007/s00062-021-01024-2>.
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- Petroulia, Valentina Daphne, Dominik Brügger, Robert Hoepner, Rino Vicini, Anna Winklehner, Mathias Abegg, and Franca Wagner. "MRI Signs Helpful in the Differentiation of Patients with Anterior Ischaemic Optic Neuropathy and Optic Neuritis." *The British Journal of Ophthalmology*, July 19, 2021. <https://doi.org/10.1136/bjophthalmol-2021-319537>.
- Bruegger, D., and M. Abegg. "Prediction of Cortical Theta Oscillations in Humans for Phase-Locked Visual Stimulation." *Journal of Neuroscience Methods* 361 (September 1, 2021): 109288. <https://doi.org/10.1016/j.jneumeth.2021.109288>.
- Kucur, Şerife Seda, Sebastian Häckel, Jan Stapelfeldt, Jeannine Odermatt, Milko E. Iliev, Mathias Abegg, Raphael Sznitman, and Rene Höhn. "Comparative Study Between the SORS and Dynamic Strategy Visual Field Testing Methods on Glaucomatous and Healthy Subjects." *Translational Vision Science & Technology* 9, no. 13 (December 2, 2020). <https://doi.org/10.1167/tvst.9.13.3>.
- Veselaj, Krenar, Nicole Kamber, Myriam Briner, Christoph Friedli, Lara Diem, Kirsten Guse, Andrei Miclea, et al. "Evaluation of Diagnostic Criteria and Red Flags of Myelin Oligodendrocyte Glycoprotein Encephalomyelitis in a Clinical Routine Cohort." *CNS Neuroscience & Therapeutics*, October 13, 2020. <https://doi.org/10.1111/cns.13461>.
- Kucur, Şerife Seda, Pablo Márquez-Neila, Mathias Abegg, and Raphael Sznitman. "Patient-Attentive Sequential Strategy for Perimetry-Based Visual Field Acquisition." *Medical Image Analysis* 54 (2019): 179–92.
- Mühlemann, Fabian, Hilary Grabe, Anthony Fok, Franca Wagner, Dominik Brügger, Claire A. Sheldon, and Mathias Abegg. "Homonymous Hemiatrophy of Ganglion Cell Layer from Retrochiasmal Lesions in the Visual Pathway." *Neurology* 94, no. 3 (21 2020): e323–29.
- Vicini, Rino, Dominik Brügger, Mathias Abegg, Anke Salmen, and Hilary Michelle Grabe. "Differences in Morphology and Visual Function of Myelin Oligodendrocyte Glycoprotein Antibody and Multiple Sclerosis Associated Optic Neuritis." *Journal of Neurology*, August 12, 2020.
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- Dysli M, Ebnetter A, Menke M, Zinkernagel M, Wolf S, Grabe H and Abegg M. Patients with Epiretinal Membranes Display Retrograde Maculopathy after Surgical Peeling of the Internal Limiting Membrane *Retina* (Philadelphia, Pa.), August 29, 2018.
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- Borruat F, Dysli M, Voide N, and Abegg M. Acetazolamide Reduces Retinal Inner Nuclear Layer Thickness in Microcystic Macular Edema Secondary to Optic Neuropathy. *European Neurology*, 2018, 150–53.
- Feil M, Moser B and Abegg M. The Interaction of Pupil Response with the Vergence System. *Graefe's Archive for Clinical and Experimental Ophthalmology*, 16 August 2017.
- Brazerol J, Iliev ME, Höhn R, Fränkl S, Grabe H, Abegg M. Retrograde Maculopathy in Patients With Glaucoma. *J Glaucoma*. Feb 6. [Epub ahead of print] (2017).
- Christen M and Abegg M. The effect of magnification and contrast on reading performance in different types of simulated low vision. *Journal of Eye Movement Research*, [S.l.], v. 10, n. 2, May 2017
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Bolognini R, Gerth-Kahlert C, Abegg M, Bartholdi D, Mathis N, Sturm V, Gallati S and Schaller A. Characterization of Two Novel Intronic OPA1 Mutations Resulting in Aberrant Pre-mRNA Splicing. *BMC Medical Genetics* 18, no. 1 (28 2017): 22.

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### **Buchkapitel**

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- Abegg M and Barton J *Visual Dysfunction From Lesions of the Cerebral Cortex* Book chapter for Duane's Ophthalmology, Lippincott Williams & Wilkins

### **Akkreditierung**

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## Fachgebiete

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