

Publikationsliste vom Prof. Dr. med. Andreas Schatz

1. Estimated incidence of high altitude retinal hemorrhages. Willmann G, Schatz A, Gekeler F, Schultheiss M. *Graefes Arch Clin Exp Ophthalmol*. 2018 Jan;256(1):231-232.
2. Effect of High Altitude Exposure on Intraocular Pressure Using Goldmann Applanation Tonometry. Willmann G, Schommer K, Schultheiss M, Fischer MD, Bartz-Schmidt KU, Gekeler F, Schatz A. *High Alt Med Biol*. 2017 Jun;18(2):114-120.
3. Efficacy of two different thiol-modified crosslinked hyaluronate formulations as vitreous replacement compared to silicone oil in a model of retinal detachment. Schnichels S, Schneider N, Hohenadl C, Hurst J, Schatz A, Januschowski K, Spitzer MS. *PLoS One*. 2017 Mar 1;12(3):e0172895.
4. Transcorneal Electrical Stimulation for Patients With Retinitis Pigmentosa: A Prospective, Randomized, Sham-Controlled Follow-up Study Over 1 Year. Schatz A, Pach J, Gosheva M, Naycheva L, Willmann G, Wilhelm B, Peters T, Bartz-Schmidt KU, Zrenner E, Messias A, Gekeler F. *Invest Ophthalmol Vis Sci*. 2017 Jan 1;58(1):257-269. doi: 10.1167/iops.16-19906.
5. Transcorneal electrical stimulation in primary open angle glaucoma. Röck T, Naycheva L, Willmann G, Wilhelm B, Peters T, Zrenner E, Bartz-Schmidt KU, Gekeler F, Schatz A. *Ophthalmologe*. 2017 Oct;114(10):922-929. doi: 10.1007/s00347-016-0415-5. German.
6. Transfer characteristics of subretinal visual implants: corneally recorded implant responses. Stingl K, Bartz-Schmidt KU, Braun A, Gekeler F, Greppmaier U, Schatz A, Stett A, Strasser T, Kitiratschky V, Zrenner E. *Doc Ophthalmol*. 2016 Oct;133(2):81-90.
7. Author Response: Subfoveal Choroidal Thickness in High-Altitude Mountaineers. Fischer MD, Schatz A, Gekeler F, Willmann G. *Invest Ophthalmol Vis Sci*. 2016 Apr 1;57(4):1748. doi: 10.1167/iops.16-19439.
8. Reversible Increase of Central Choroidal Thickness During High-Altitude Exposure. Fischer MD, Schatz A, Seitz IP, Schommer K, Bartz-Schmidt KU, Gekeler F, Willmann G. *Invest Ophthalmol Vis Sci*. 2015 Jul;56(8):4499-503. doi: 10.1167/iops.15-16770.
9. In vivo biocompatibility of a new cyanine dye for ILM peeling. Thaler S, Haritoglou C, Schuettauf F, Choragiewicz T, May CA, Gekeler F, Fischer MD, Langhals H, Schatz A. *Eye (Lond)*. 2015 Mar;29(3):428-35. doi: 10.1038/eye.2014.295. Epub 2014 Dec 19.
10. Missing correlation of retinal vessel diameter with high-altitude headache. Willmann G, Fischer MD, Schommer K, Bärtsch P, Gekeler F, Schatz A. *Ann Clin Transl Neurol*. 2014 Jan;1(1):59-63. doi: 10.1002/acn3.18. Epub 2013 Nov 19.
11. Exposure to high altitude alters tear film osmolarity and breakup time. Willmann G, Schatz A, Fischer MD, Schommer K, Zrenner E, Bartz-Schmidt KU, Gekeler F, Gekeler K. *High Alt Med Biol*. 2014 Jun;15(2):203-7. doi: 10.1089/ham.2013.1103.
12. Attenuation of S-cone function at high altitude assessed by electroretinography. Schatz A, Dominik Fischer M, Schommer K, Zrenner E, Bartz-Schmidt KU, Gekeler F, Willmann G. *Vision Res*. 2014 Apr;97:59-64. doi: 10.1016/j.visres.2014.02.003. Epub 2014 Feb 24.

13. Pupillary light reaction during high altitude exposure. Schultheiss M, Schommer K, Schatz A, Wilhelm B, Peters T, Fischer MD, Zrenner E, Bartz-Schmidt KU, Gekeler F, Willmann G. *PLoS One*. 2014 Feb 4;9(2):e87889. doi: 10.1371/journal.pone.0087889. eCollection 2014.
14. Electroretinographic assessment of retinal function during acute exposure to normobaric hypoxia. Schatz A, Breithaupt M, Hudemann J, Niess A, Messias A, Zrenner E, Bartz-Schmidt KU, Gekeler F, Willmann G. *Graefes Arch Clin Exp Ophthalmol*. 2014 Jan;252(1):43-50. doi: 10.1007/s00417-0132504-3. Epub 2013 Nov 6.
15. Impact of Acute Exposure to High Altitude on Anterior Chamber Geometry. Willmann G, Schatz A, Zhou A, Schommer K, Zrenner E, Bartz-Schmidt KU, Gekeler F, Fischer MD. *Invest Ophthalmol Vis Sci*. 2013 Jun 4. doi:pji: iovs.13-12158v1. 10.1167/iov.13-12158. [Epub ahead of print]
16. Retinal vessel leakage at high altitude. Willmann G, Fischer MD, Schatz A, Schommer K, Gekeler F. *JAMA*. 2013 Jun 5;309(21):2210-2. doi: 10.1001/jama.2013.5550.
17. Electroretinographic assessment of retinal function at high altitude. Schatz A, Willmann G, Fischer MD, Schommer K, Messias A, Zrenner E, Bartz-Schmidt KU, Gekeler F. *J Appl Physiol*. 2013 May 30. [Epub ahead of print]
18. Artificial vision with wirelessly powered subretinal electronic implant alpha-IMS. Stingl K, BartzSchmidt KU, Besch D, Braun A, Bruckmann A, Gekeler F, Greppmaier U, Hipp S, Hörtdörfer G, Kernstock C, Koitschev A, Kusnyerik A, Sachs H, Schatz A, Stingl KT, Peters T, Wilhelm B, Zrenner E. *Proc Biol Sci*. 2013 Feb 20;280(1757):20130077. Print 2013.
19. Effects of transcorneal electrical stimulation in patients with Stargardt's disease. Röck T, Schatz A, Naycheva L, Gosheva M, Pach J, Wilhelm B, Peters T, Bartz-Schmidt KU, Zrenner E, Willmann G, Gekeler F. *Ophthalmologe*. 2013 Jan;110(1):68-73.
20. Phosphene thresholds elicited by transcorneal electrical stimulation in healthy subjects and patients with retinal diseases. Naycheva L, Schatz A, Röck T, Willmann G, Messias A, Bartz-Schmidt KU, Zrenner E, Gekeler F. *Invest Ophthalmol Vis Sci*. 2012 Nov 1;53(12):7440-8.
21. Transcorneal electrical stimulation shows neuroprotective effects in retinas of light-exposed rats. Schatz A, Arango-Gonzalez B, Fischer D, Enderle H, Bolz S, Röck T, Naycheva L, Grimm C, Messias A, Zrenner E, Bartz-Schmidt KU, Willmann G, Gekeler F. *Invest Ophthalmol Vis Sci*. 2012 Aug 15;53(9):5552-61. doi: 10.1167/iov.12-10037.
22. In vivo imaging reveals novel aspects of retinal disease progression in Rs1h(-/Y) mice but no therapeutic effect of carbonic anhydrase inhibition. Zhou A, Bolz S, Grimm C, Willmann G, Schatz A, Weber BH, Zrenner E, Fischer MD. *Vet Ophthalmol*. 2012 Sep;15 Suppl 2:123-33. Epub 2012 Jun 4.
23. Sulcus anatomy and diameter in pseudophakic eyes and correlation with biometric data: evaluation with a 50 MHz biomicroscope. Petermeier K, Suesskind D, Altpeter E, Schatz A, Messias A, Gekeler F, Szurman P. *J Cataract Refract Surg*. 2012 Jun;38(6):986-91.
24. Structural and functional changes of the human macula during acute exposure to high altitude. Fischer MD, Willmann G, Schatz A, Schommer K, Zhou A, Zrenner E, Bartz-Schmidt KU, Gekeler F. *PLoS One*. 2012;7(4):e36155. Epub 2012 Apr 30.

25. Effects of combined ketamine/xylazine anesthesia on light induced retinal degeneration in rats. Arango-Gonzalez B, Schatz A, Bolz S, Eslava-Schmalbach J, Willmann G, Zhou A, Zrenner E, Fischer MD, Gekeler F. PLoS One. 2012;7(4):e35687. Epub 2012 Apr 25.
26. Tempol protects against intravitreal indocyanine green-induced retinal damage in rats. Thaler S, Voykov B, Willmann G, Fiedorowicz M, Rejdak R, Gekeler F, May CA, Schatz A, Schuettauf F. Graefes Arch Clin Exp Ophthalmol. 2012 Nov;250(11):1597-606. Epub 2012 Mar 31.
27. Transcorneal electrostimulation. Gekeler F, Arbeitsgruppe Elektrostimulation des Department für Augenheilkunde am Universitätsklinikum Tübingen. Ophthalmologe. 2012 Feb;109(2):129-35.
28. Assessment of "non-recordable" electroretinograms by 9 Hz flicker stimulation under scotopic conditions. Schatz A, Wilke R, Strasser T, Gekeler F, Messias A, Zrenner E. Doc Ophthalmol. 2012 Feb;124(1):27-39. Epub 2011 Dec 18.
29. Quantification of optic disc edema during exposure to high altitude shows no correlation to acute mountain sickness. Willmann G, Fischer MD, Schatz A, Schommer K, Messias A, Zrenner E, BartzSchmidt KU, Gekeler F. PLoS One. 2011;6(11):e27022. Epub 2011 Nov 1.
30. GDF-15: a novel serum marker for metastases in uveal melanoma patients. Suesskind D, Schatz A, Schnichels S, Coupland SE, Lake SL, Wissinger B, Bartz-Schmidt KU, Henke-Fahle S. Graefes Arch Clin Exp Ophthalmol. 2011 Sep 1. [Epub ahead of print]
31. Gene Expression Profiling of the Retina after Transcorneal Electrical Stimulation in Wildtype Brown Norway Rats. Willmann G, Schäferhoff K, Fischer MD, Arango-Gonzalez B, Bolz S, Naycheva L, Röck T, Bonin M, Bartz-Schmidt KU, Zrenner E, Schatz A, Gekeler F. Invest Ophthalmol Vis Sci. 2011 Aug 27. [Epub ahead of print]
32. Transcorneal electrical stimulation for patients with retinitis pigmentosa: a prospective, randomized, sham-controlled exploratory study. Schatz A, Röck T, Naycheva L, Willmann G, Wilhelm B, Peters T, Bartz-Schmidt KU, Zrenner E, Messias A, Gekeler F. Invest Ophthalmol Vis Sci. 2011 Jun 23;52(7):4485-96. Print 2011 Jun.
33. A new DTL-electrode holder for recording of electroretinograms in animals. Schatz A, Willmann G, Enderle H, Sliesoraityte I, Messias A, Bartz-Schmidt KU, Zrenner E, Gekeler F. J Neurosci Methods. 2011 Feb 15;195(2):128-34. Epub 2010 Nov 12.
34. In vivo toxicity testing of methyl blue and aniline blue as vital dyes for intraocular surgery. Thaler S, Schuettauf F, Fiedorowicz M, Messias A, Schatz A, Choragiewicz TJ, May CA, Zrenner E, Kampik A, Haritoglou C. Retina. 2009 Oct;29(9):1257-65.