

CURRICULUM VITAE

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Rocky Mountain Lions Eye Institute
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EDUCATION:

Medical: SOFIA, BULGARIA (1992-1998)
Doctor of Medicine Diploma, graduated Summa cum Laude.
Awarded scholarship from Bulgarian Ministry of Education and Science for excellent grades each year from 1992 to 1998.

Internship: Roger Williams Medical Center, Boston University, Providence, RI
Internal Medicine 2003-2004

Residency: Eye & Ear Institute, University of Pittsburgh, Pittsburgh, PA
Ophthalmology 2004-2007

Fellowship: Eye & Ear Institute, University of Pittsburgh, Pittsburgh, PA
Fellowship in Glaucoma 2008-20097

EMPLOYMENT:

09/09- Assistant Professor of Ophthalmology, University of Colorado
Rocky Mountain Lions Eye Institute, Aurora, CO

01/08-06/08 Clinical Instructor, University of Pittsburgh Medical Center
Eye And Ear Institute, Pittsburgh, PA

10/99-5/03 Post-doctoral Research Fellow in Glaucoma, Harvard Medical School
Massachusetts Eye And Ear Infirmary, Boston, MA

1/99-6/99 Research Assistant, New England Medical Center
Molecular Cardiology Research Institute, Boston, MA

PUBLICATIONS:

1. **Pantcheva, Mina B**, Mukai, Shizuo. Stem Cells in Ophthalmology. *International Ophthalmology Clinics*. 2001; 41(4):241-254
2. Virve A. Hänninen, **Mina B. Pantcheva**, Ellen E. Freeman, Nathaniel R. Poulin, Cynthia L. Grosskreutz. Activation of caspase 9 in a rat model of experimental glaucoma. *Current Eye Research*, 2002; 25(6): 389-395
3. David N. Zacks, Virve Hänninen, **Mina Pantcheva**, Eric Ezra, Cynthia Grosskreutz, and Joan W. Miller. Caspase Activation in an Experimental Model of Retinal Detachment *Investigative Ophthalmology and Visual Science*. 2003;44:1262-1267
4. C. Grosskreutz, V. Hänninen, **M. Pantcheva**, W. Huang, N. Poulin, A. Dobberfuhr. FK506 blocks activation of the intrinsic caspase cascade after optic nerve crush. *Experimental Eye Research* 2005; 80(5): 681-686
5. M Y Kahook, R J Noecker, **M B Pantcheva** and J S Schuman. Location of glaucoma drainage devices relative to the optic nerve. *British Journal of Ophthalmology* 2006; 90(8):1010-1013
6. **Mina B Pantcheva**, Malik Y Kahook, Joel S Schuman and Robert J Noecker. Comparison of acute structural and histopathological changes in human autopsy eyes after endoscopic cyclophotocoagulation and trans-scleral cyclophotocoagulation. *British Journal of Ophthalmology* 2007;91:248-252
7. **Mina B Pantcheva**, Malik Y Kahook, Joel S Schuman, Marc W Rubin, Robert J Noecker. Comparison of acute structural and histopathological changes of the porcine ciliary processes after endoscopic cyclophotocoagulation and transscleral

cyclophotocoagulation. *Clinical & Experimental Ophthalmology* 2007 35 (3): 270–274.

8. **Mina B Pantcheva**, Gadi Wollstein, Hiroshi Ishikawa, Robert J Noecker and Joel S Schuman Optical Coherence Tomography Algorithm Failure to Detect Nerve Fiber Layer Defects: Report of Two Cases. *British Journal of Ophthalmology* 2009;93 (9):1141-2,1185

ABSTRACTS:

1. V.Luukkaa, **M Pantcheva**, N.Poullin and C.Grosskreutz. Effect of FK506 on caspase 3 and 9 after optic nerve crush in the rat. Abstract for the meeting on the Society for Neuroscience (San Diego, CA 2001).
2. **MB Pantcheva**, NR Poulin, VA Luukkaa, and CL Grosskreutz. Death Receptor Complex Formation After Optic Nerve Crush In Rats. *Invest. Ophthalmol. Vis. Sci.* 2002; 43: E-Abstract 4054. Awarded ARVO/Retina Research Foundation Joseph M. and Eula C. Lawrence Travel Fellowship Grant Award
3. CL Grosskreutz, VA Luukkaa, **MB Pantcheva**, and NR Poulin. Activation of Caspase 9 in a Rat Model of Experimental Glaucoma. *Invest. Ophthalmol. Vis. Sci.* 2002; 43: E-Abstract 4058.
4. T.A. Young, **MB Pantcheva**, E.J. Connolly, M.S. Mandelcorn, C.I. Whiteside, C.L. Grosskreutz, E.S. Gragoudas, and J.W. Miller. Apoptosis in Acute Photodynamic Therapy of Choroidal Neovascularization in the Rat Model *Invest. Ophthalmol. Vis. Sci.* 2003; 44: E-Abstract 3932.
5. **MB Pantcheva**, V.A. Hanninen, N.R. Poulin, A.P. Dobberfuhr, and C.L. Grosskreutz. Phosphorylation of Akt and Activation of Caspase 9 After Optic Nerve Crush In Rats. *Invest. Ophthalmol. Vis. Sci.* 2003; 44: E-Abstract 3348.
6. D.N. Zacks, V. Hänninen, **M Pantcheva**, C. Grosskreutz, and J.W. Miller. Caspase Activation in an Experimental Model of Retinal Detachment *Invest. Ophthalmol. Vis. Sci.* 2003; 44: E-Abstract 2951.
7. **M Pantcheva**, J.Y. Yu, M.Y. Kahook, K. Lathrop, J.S. Schuman, and R.J. Noecker. The Effect of Probe Placement on Endoscopic Cyclophotocoagulation Laser Energy Transmission. *Invest. Ophthalmol. Vis. Sci.* 2006; 47: E-Abstract 21.
8. Kahook MY, **Pantcheva M**, Schuman JS, Noecker RJ. Location of Glaucoma Drainage Devices Relative to the Optic Nerve. American Glaucoma Society March, 2006.
9. **Pantcheva M**, Kahook MY, Schuman JS, Noecker RJ. A Light and Electron Microscopy Study of Human Ciliary Body Tissue After Endoscopic Cyclophoto-coagulation and Transscleral Cyclophotocoagulation. American Glaucoma Society March, 2006.
10. **Pantcheva MB**, Kahook MY, Schuman JS, Noecker RJ. A Light and Electron Microscopy Study of Pig Ciliary Body Tissue After Endoscopic Cyclophoto-coagulation and Transscleral Cyclophotocoagulation. American Society of Cataract and Refractive Surgery March, 2006.
11. **Pantcheva MB**, Kahook MY, Herceg MC, Noecker RJ. One year comparison in outcomes between suture and fibrin glue assisted glaucoma drainage device surgery. American Glaucoma Society 2008 Washington, DC, March 2008.
12. **Pantcheva MB**, Kahook MY, Herceg MC, Camejo L, Schuman JS, Noecker RJ. A Descriptive Cross-Sectional Survey Assessing the Demographic Variations in the Prevalence of Complementary and Alternative Medicine Use in Patients visiting UPMC Eye Center. Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, April, 2008.

CHAPTERS:

- M. Pantcheva**, P. Petropoulos. Behcet's Disease. Ferri's Clinical Advisor 2005 [ed] Fred F. Ferri, Mosby, St. Louis, 2005-2008.
- M. Pantcheva**, D. Mikolich. Cytomegalovirus. Ferri's Clinical Advisor 2005 [ed] Fred F. Ferri, Mosby, St. Louis, 2005-2008.

LECTURES:

- May 2000 Guest Speaker at the Annual Fellow's Course in Pediatric Ophthalmology.

Sept. 2008 Massachusetts Eye and Ear Infirmary, Boston, MA
Guest Speaker at the Anterior Segment Update 2008.
University of Pittsburgh Medical Center, Pittsburgh, PA

Community

Participated in the UPMC Eye Center Guerilla Eye Service at Verland non-profit organization serving people with mental retardation by providing annual comprehensive ophthalmic examinations.

Participated in Honduras Eye Mission to provide comprehensive eye exams and surgical care to patients in an underserved rural area.

Collaborated with the Bulgarian Red Cross and Children's Orphanage "Roman."

Personal

Enjoying skiing, reading, music, traveling, ancient history