

Curriculum Vitae for Academic Promotion

Pradeep Ramulu, M.D. Ph.D.

May 13th, 2008

DEMOGRAPHIC AND PERSONAL INFORMATION

Current appointment **Assistant Professor, Johns Hopkins University**

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EDUCATION AND TRAINING

- 1990-1994 **Stanford University,**
B.S. in Chemistry with University and Departmental High Honors.
- 1994-2002 **Johns Hopkins University School of Medicine**
M.D. and Ph.D. in Molecular Biology and Genetics
- 2002-2003 **Mercy Hospital of Maryland**
Internship, Internal Medicine.
- 2003-2006 **Wilmer Ophthalmological Institute, Johns Hopkins Hospital**
Residency, Ophthalmology.
- 2006-Present **Bascom-Palmer Eye Institute, University of Miami**
Fellowship, Glaucoma

PROFESSIONAL EXPERIENCE

July 2007 **Assistant Professor of Ophthalmology, Glaucoma Division**
Johns Hopkins School of Medicine

RESEARCH ACTIVITIES - PUBLICATIONS

1. **Ramulu P**, Kennedy M, Xiong WH, Williams J, Cowan M, Blesh D, Yau KW, Hurley JB, Nathans J. Normal light response, photoreceptor integrity, and rhodopsin dephosphorylation in mice lacking protein phosphatases with EF hands (PPEF-1 and PPEF-2). *Mol Cell Biol.* 2001 Dec;21(24):8605-14.
2. **Ramulu P**, Nathans J. Cellular and subcellular localization, N-terminal acylation, and calcium binding of *Caenorhabditis* protein phosphatase with EF-hands. *J Biol Chem.* 2001 Jul 6;276(27):25127-35.
3. **Ramulu P**, Moghekar A, Chaudry V, Zee D, and Reich S. Wernicke's Encephalopathy. *Neurology.* 2002 Sep 24;59(6):846.

4. **Ramulu P**, Green WR, Iliff NT, Kuo IC. Asymptomatic Conjunctival Mucosa-Associated Lymphoid Tissue-Type Lymphoma with Presumed Intraocular Involvement. *Cornea*. 2007 May;26(4):484-6.
5. **Ramulu P**, Corcoran KJ, Corcoran SL, Robin AL. Utilization of various glaucoma surgeries and procedures in Medicare Beneficiaries from 1995 to 2004. *Ophthalmology*. 2007 December;114(12):2265-70.
6. Quigley HA, Silver DM, Friedman DS, He M, Jasti S, Plyler RJ, Jampel HD, **Ramulu PY**. Iris Cross-Sectional Area Decreases With Pupil Dilation and Its Dynamic Behavior Is a Risk Factor in Angle Closure. *Journal of Glaucoma*. Submitted March 2008.
7. **Ramulu PY**, West SK, Munoz B, Jampel HD, Friedman DS. Glaucoma and Reading Ability: The Salisbury Eye Evaluation Project. *Archives of Ophthalmology*. Submitted May 2008.

RESEARCH ACTIVITIES – EXTRAMURAL FUNDING

July 2007 – June 2011	Blindness from glaucoma in the twenty-first century - Why is it still happening? K12 EY015025 NEI PI – Harry A. Quigley, M.D. Total Direct Costs \$188,248 for 7/7/07 – 7/6/07 Support at 80% Effort
February 2008	Reading Impairment in Subjects with Bilateral Glaucoma The Glaucoma Foundation PI – Pradeep Y. Ramulu, MD, PhD Total direct costs: \$40,000

EDUCATIONAL ACTIVITIES – EDUCATIONAL PUBLICATIONS

2004	Ramulu P , Jun A. Cyclodialysis Cleft After Trauma. <i>EyeNet</i> . 2004 Sep.
2007	Ramulu P , Friedman DF. Laser Iridotomy. In: <i>Angle Closure Glaucoma</i> , ed. Hung C, and Yamamoto T. Kugler Publications, p. 201-216, 2007.
In Press	Ramulu P , Friedman DF. Epidemiology of Glaucoma. To be published in <i>Ophthalmology</i> , 3 rd edition, editors Yanoff M, and Duker JS.
In Press	Ramulu P , Trabeculotomy. To be published in <i>Basic Techniques and Ophthalmic Surgery</i> .
In Press	Ramulu PY , Parrish RK. Asking the right question in laser trabeculoplasty: “Which patient?” not “Which laser?”. Submitted to <i>Surveys of Ophthalmology</i> March 2007.

In Press **Ramulu PY**, Gedde SJ. Aqueous Misdirection. To be published in *Glaucoma*, 1st edition, editors Shaarawy T, Sherwood MB, Hitchings R, and Crowston JG.

Published Abstracts

- April 2008 Chang RT, Knight OJ, **Ramulu P**, Shi W, Feuer WJ, Budenz DL. Combining Frequency Doubling Technology and GDx to Screen for Glaucoma. ARVO, Fort Lauderdale, April 2008.
- April 2008 **Ramulu PY**, West SK, Jampel HD, Munoz B, Friedman DS. Bilateral Glaucoma Decreases Reading Speed and Increases Reading Impairment in Participants of the Salisbury Eye Evaluation. ARVO. Fort Lauderdale, FL.
- April 2008 Nix CP, **Ramulu PY**, Gedde SJ. Evaluation of Glaucoma Practice Patterns in Resident and Faculty Glaucoma Clinics. ASCRS Annual Meeting, Chicago IL, April 2008.
- April 2007 **Ramulu PY**, Quigley HA, Friedman DS. A Randomized Controlled Trial to Increase Compliance with Glaucoma Visits. ARVO. Ft. Lauderdale, FL.
- April 2004 **Ramulu PY**, Nathans J. Analysis of light-mediated damage in mice lacking protein phosphatases with EF-hands (*PPEF-1* and *PPEF-2*). ARVO. Ft. Lauderdale, FL.
- April 2002 **Ramulu PY**, Nathans J. The Rod Photoreceptor-specific Phosphatase PPEF-2 Interacts with 14-3-3 zeta in a Phosphorylation-dependent Manner. ARVO. Ft. Lauderdale, FL.

EDUCATIONAL ACTIVITIES – TEACHING

- 1998 **Instructor**
Served as section leader for 6 weeks of daily small-group discussion of 12 first year medical students taking the Molecules and Cells course.
- 1997, 1998 **Teaching Assistant**
Served as teaching assistant for daily small group discussions for first year medical students taking the 4 week Developmental Biology course.
- April 2004 **Talk, Annual Wilmer Research Meeting. Baltimore, MD.**
“Biochemical and genetic analyses of the rod photoreceptor phosphatases PPEF-1 and PPEF-2.”
- May 2004 **Talk, Wilmer Residency Association Annual Meeting. Baltimore, MD.**
“Biochemistry and Genetic analysis of the rod photoreceptor phosphatases PPEF-1 and PPEF-2.”
- April 2005 **Talk, Wilmer Residency Association Annual Meeting. Baltimore, MD.**

“Laser Trabeculoplasty vs. IOP Lowering Drops: Which is More Costly to Patients? Which is More Costly to Society?”

- May 2006 **Talk, Wilmer Residency Association Annual Meeting, Baltimore, MD.**
“A Therapeutic Intervention to Increase Compliance with Follow-up Visits in a Residents’ Clinic.”
- Feb 2008 **Resident Lecture, Wilmer Eye Institute, Baltimore, MD.** “Glaucoma Drainage Implants.”
- March 2008 **Paper, American Glaucoma Society Annual Meeting, Washington D.C.**
“How Glaucoma Affects Reading Speed: The Salisbury Eye Evaluation.”
- March 2008 **Resident Lecture, Wilmer Eye Institute, Baltimore, MD.** “Pediatric Glaucoma.”
- May 2008 **Lecture, Maryland Society of Eye Physicians and Surgeons, Baltimore, MD.** “When and How Glaucoma Produces Disability.”

CLINICAL ACTIVITIES

- June 2006 **Florida Medical Licensure**
License Number ME96170
- March 2007 **Maryland Medical Licensure**
License Number D0065761
- March 2007 Ophthalmology Written Boards Taken – Results Pending

ORGANIZATIONAL ACTIVITIES – EDITORIAL

- 2007-Present **Reviewer**
OPHTHALMIC SURGERY, LASERS, AND IMAGING, Carmen Puliafito
editor in chief
- 2006-Present **Reviewer**
OPHTHALMOLOGY, Andrew Shachat editor in chief
- 1996-2002 **Editorial Assistant**
MEDICINE, Victor A. McKusick editor in chief

ORGANIZATIONAL ACTIVITIES – PROFESSIONAL SOCIETIES

- 2003-Present **American Academy of Ophthalmology**
- 2002-Present **Association for Research and Vision in Ophthalmology (ARVO)**

RECOGNITION

- 2006 **Heed Fellowship in Ophthalmology**
- 2006 **Outstanding Senior Resident, Wilmer Eye Institute / Greater Baltimore Medical Center**
- 2005 **Harry A. Quigley Research Grant, Wilmer Eye Institute**
- 1997 **Visual Neurosciences Training Program Fellowship, Johns Hopkins School of Medicine**
- 1994 **Outstanding Senior of the Year, Department of Chemistry, Stanford University**
- 1993 **Analytical Chemist of the Year, Stanford University**
- 1990 **President's Award for Academic Excellence, Stanford University**
- 1990 **Salutatorian, Highland Park High School, Highland Park, IL**