CURRICULUM VITAE

Name Ivana Kyung Kim

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Education

1988-1992	B.S.	Stanford University, Biological Sciences
1992-1997	M.D.	Harvard Medical School

Post-graduate Training

1997-1998	Medicine Intern, Massachusetts General Hospital
1998-2001	Ophthalmology Resident, Massachusetts Eye and Ear Infirmary
2001-2003	Retina Fellow, Massachusetts Eye and Ear Infirmary
2002-2003	Chief Retina Fellow, Massachusetts Eye and Ear Infirmary

Hospital or Affiliated Institution Appointments

1997-1998	Clinical Fellow in Medicine, Harvard Medical School
1998-2003	Clinical Fellow in Ophthalmology, Harvard Medical School
2001-2003	Assistant in Ophthalmology, Assistant Staff, Retina Service, Massachusetts Eye and Ear Infirmary
2003-	Assistant in Ophthalmology, Active Staff, Retina Service, Massachusetts Eye and Ear Infirmary
2003-	Instructor in Ophthalmology, Harvard Medical School
2005-	Clinical Associate in Surgery, Massachusetts General Hospital

Licensure

2001	Massachusetts Medical License
2003	Diplomate, American Board of Ophthalmology

Awards and Honors

1988	National Merit Scholarship, California Medical Education and Research Foundation
1989	President's Award for Academic Excellence in the Freshman Year
1991	Elected to Phi Beta Kappa
1991	Elected to Cap and Gown
1992	Honors and Distinction in Biological Sciences, Stanford University
1995-1996	Howard Hughes Medical Institute Medical Student Research Training Fellowship
2001-2002	Heed Ophthalmic Foundation Fellowship
2002-2003	American Ophthalmological Society-Knapp Fellowship
2002-2003	Massachusetts Lions Eye Research Grant

Research Experience

1990-1991	Stanford University Medical Center, Division of Nuclear Medicine *Research focus*: Characterization of glycosylation changes in wheat-germ-agglutinin resistant variants of B16 mouse melanoma cells. *Mentor*: Tien-Wen Wiedmann, Ph.D.
1993	Dana-Farber Cancer Institute, Division of Hematologic Malignancies *Research focus*: The role of adhesion molecules in the interaction of human myeloma-derived cell lines with bone marrow stromal cells. *Mentor*: Kenneth C. Anderson, M.D.
1995-1996	Children's Hospital, Department of Surgical Research *Research focus*: The regulation of vascular endothelial growth factor in models of ocular neovascularization. *Mentor*: Anthony P. Adamis, M.D.
1999-2000	Massachusetts Eye and Ear Infirmary, Retina Service *Research focus*: Creation of chorioretinal anastomoses using the Erbium:YAG laser in a pig model of central vein occlusion. *Mentor:* Donald J. D'Amico, M.D.
2001-present	Massachusetts Eye and Ear Infirmary, Retina Service *Research focus:* The use of angiogenesis inhibitors in models of choroidal and iris neovascularization *Mentor:* Joan W. Miller, M.D.
2003-	Massachusetts Eye and Ear Infimary, Retina Service

Research focus: Search for biomarkers of neovascular age-related macular degeneration using an extremely discordant sib-pair approach

Memberships and Offices

1989-1990	Stanford University Asian American Big Sibling/Little Sibling Program, Co-coordinator
1989-1990	Stanford University Korean American Students' Association, Steering Committee Member
1992-1996	Harvard Medical School Curriculum Committee Member
1992-1996	Massachusetts Medical Society
1998-present	American Academy of Ophthalmology
1999-present	Association for Research in Vision and Ophthalmology

Teaching Positions

1990-1991	Academic Advising Associate, Okada House, Stanford University
1993-1995	Non-resident Tutor in Medicine, Pforzheimer House, Harvard University
1996-1998	Resident Tutor in Medicine, Kirkland House, Harvard University
2002-2003	Chief Retina Fellow, Massachusetts Eye and Ear Infirmary
2004- present	Instructor, Basic Ophthalmology Clerkship, Harvard Medical School

Publications

1. **Kim I**, Uchiyama H, Chauhan D, Anderson KC. Cell surface expression and functional significance of adhesion molecules on human myeloma-derived cell lines. Br. J. Hem. 87:483-493, 1994.

2. Lu M, Kuroki M, Amano, S, Tolentino M, Keough K, **Kim I**, Bucala R, Adamis AP. Advanced glycation end products increase retinal vascular endothelial growth factor expression. J. Clin. Invest. 101:1219-1224, 1998.

3. **Kim I**, Ryan AM, Rohan R, Amano S, Agular S, Miller JW, Adamis AP. Constitutive expression of VEGF, VEGFR-1, and VEGFR-2 in normal eyes. Invest. Ophthalmol. Vis. Sci. 40:2115-2121, 1999.

4. Ambati J, Canakis CS, Miller JW, Gragoudas ES, Edwards A, Weissgold DJ, **Kim I**, Delori FC, Adamis AP. Diffusion of high molecular weight compounds through sclera. Invest. Ophthalmol. Vis. Sci. 41:1181-1185, 2000.

5. **Kim IK**, Arroyo JG. Mechanisms in proliferative vitreoretinopathy. Ophthalmol. Clin. North Am. 15(1):81-86, 2002.

6. **Kim IK**, Miller JW. Management of dislocated lens material. Semin. Ophthalmol. 17(3-4):162-166, 2002.

7. Husain D, **Kim IK**, Gauthier D, Tsilimbaris MK, Ezra E, Connollly E, Michaud N, Lane AM, Gragoudas ES, O'Neill C, Miller JW. Safety and efficacy of intravitreal injection of ranibizumab in combination with vertporfin PDT on experimental choroidal neovascularization. Arch Ophthalmol. 123:509-516, 2005.

8. Durand ML, **Kim IK**, D'Amico DJ, Loewenstein JI, Tobin EH, Kieval SJ, Martin S, Azar DT, Miller F, Lujan BJ, Miller JW. Successful treatment of exogenous Fusarium endophthalmitis with oral voriconazole and Aspergillus endophthalmitis with oral voriconizole plus intravenous caspofungin. Am J Ophthalmol. 140:552-554, 2005.

9. **Kim IK**, Dryja TP, Lessell S, Gragoudas ES. Melanocytoma of the optic nerve associated with sound-induced phosphenes. Arch Ophthalmol. *In press*.

10. **Kim IK**, Husain D, Michaud N, Connolly E, Durrani K, Gragoudas ES, O'Neill CA, Miller JW. Effect of intravitreal injection of rhuFab VEGF in combination with verteporfin PDT on normal primate retina and choroid. Invest. Ophthalmol. Vis. Sci., *In press.*

Abstracts

1. Adamis AP, Kuroki M, Tolentino MJ, **Kim I**. Advanced glycation end products (AGE) increase retinal VEGF gene expression. Invest. Ophthalmol. Vis. Sci. 37:4465, 1996, suppl.

2. **Kim I**, Tolentino MJ, Miller JW, Adamis AP. Constitutive VEGF mRNA expression in the tissues of normal adult eyes. Invest. Ophthalmol. Vis. Sci. 37:3643, 1996, suppl.

3. Grant CA, **Kim IK**, D'Amico DJ. Formation of patent chorioretinal anastomoses using the Erbium-YAG laser in the miniature Yucatan pig model. Invest. Ophthalmol. Vis. Sci. 41:3423, 2000.

4. **Kim IK**, Grant CA, D'Amico DJ. Histological characterization of chorioretinal venous anastomoses created by Erbium-YAG laser in the miniature pig. Invest. Ophthalmol. Vis. Sci. 41:3424, 2000.

5. Gauthier D, Husain D, **Kim IK**, Ezra E, Tsilimbaris MK, Connolly E, Lane AM, Gragoudas ES, O'Neill CA, Miller JW. Safety and efficacy of intravitreal injection of rhuFab VEGF in combination with verteporfin PDT on experimental choroidal neovascularization. Invest. Ophthalmol. Vis. Sci. 2002.

6. Miller JW, DeAngelis MM, Dryja TP III, Lombardi, ML, Morse LJ, Rowley P, Jensen RV, **Kim I**, Dryja TP. Search for genes expressed in leukocytes that may serve as biomarkers for neovascular age-related macular degeneration. Macula Society, 2004.

7. **Kim IK**, Miller JW, Gragoudas ES. Effect of ranibizumab in combination with verteporfin PDT on normal primate choroid and retina. Retina Society, 2004.

8. DeAngelis, MM, Chen JA, **Kim I**, Ott J, Miller JW, Dryja TP. Distribution of apoE alleles among patients with neovascular age-related macular degeneration and their unaffected siblings. Invest. Ophthalmol. Vis. Sci. 45: E-Abstract 3730, 2004.

9. DeAngelis MM, Ji F, Colbert AM, **Kim I**, Ott J, Miller JW, and Dryja TP. Extremely discordant sibpair multivariate analyses of apoE alleles, smoking, hypertension and hypercholesterolemia shows that smoking is the strongest risk factor associated with neovascular age–related macular degneration. Invest. Ophthalmol. Vis. Sci. 46: E-Abstract 3202, 2005.

10. Colbert AM, Dryja TP III, **Kim I**, Miller JW, Dryja TP, and DeAngelis MM. Analysis of polymorphisms in the CART gene (Cocaine and Amphetamine Receptor Transcript) as risk factors for neovascular age–related macular degeneration. Invest. Ophthalmol. Vis. Sci. 46: E-Abstract 3820, 2005.

11. **Kim IK**, Ji F, Dryja TP III, Ott J, Miller JW, Dryja TP, DeAngelis MM. The search for potential biomarkers of neovascular AMD. Aegean Retina 2005

Chapters

1. Henderson BA, **Kim IK**. Secondary intraocular lenses in aphakia. In: Azar DT, ed. Intraocular lenses in cataract and refractive surgery. Philadelphia: WB Saunders, 2001.

2. **Kim IK**, Gragoudas ES. Radiation retinopathy. In: Huang D, Kaiser PK, Lowder CY, Traboulsi E, eds. Atlas of Posterior Segment Imaging. Philadelphia: Elsevier Science, *In press.*

3. **Kim IK**, Gragoudas ES. Choroidal malignant melanoma. In: Huang D, Kaiser PK, Lowder CY, Traboulsi E, eds. Atlas of Posterior Segment Imaging. Philadelphia: Elsevier Science, *In press.*

4. **Kim IK**, Gragoudas ES. Choroidal nevus. In: Huang D, Kaiser PK, Lowder CY, Traboulsi E, eds. Atlas of Posterior Segment Imaging. Philadelphia: Elsevier Science, *In press.*

5. **Kim IK**, Miller JW. New pharmacologic treatments for age-related macular degeneration. In: Mones JM, Gomez-Ulla F, eds. New Topics on Age-Related Macular Degeneration. Barcelona: Pruous Science, *In press.*

Other publications

1. **Kim IK**, Fay A, Rubin PAD. 30 yo female with recurrent left orbital mass. Digital J. Ophthal. http://www.djo.harvard.edu/meei/GR/Kim081299/Kim081299.html.