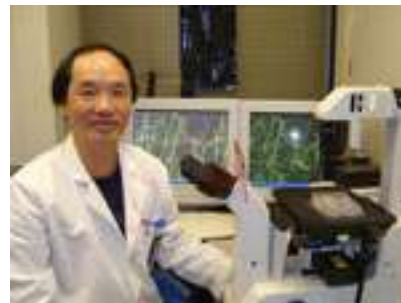


Jiucheng He, MD, PhD

Research Assistant Professor of Ophthalmology and Neuroscience



Education

- 2001-2004 Postdoc, LSUHSC Neuroscience Center
1995-1999 PhD, Kyoto Prefectural University of Medicine, Japan
1985-1988 MSc, Sanxi Medical University, China
1978-1983 MD, Hengyang Medical College, University of South China

Positions

- 2007 – present Research assistant professor of Ophthalmology and Neuroscience; Neuroscience Center, LSUHSC, New Orleans, LA
2005-2007 Research Instructor of Ophthalmology and Neuroscience; Neuroscience Center, LSU HSC, New Orleans, LA
2001-2004 Postdoc, Neuroscience Center, LSU HSC, New Orleans, LA
1999-2001 Associate Professor and Deputy Director of Laboratory, Beijing Institute of Ophthalmology, Beijing, China
1994-1995 SASAKAWA Medical Scholarship Visitor in the Department of Ophthalmology of Kyoto Prefectural University of Medicine, Kyoto, Japan.
1990-1994 Physician-in-charge and lecturer of Ophthalmology in the First Affiliated Hospital of University of South China. Hengyang, China
1988-1989 Cornea Fellow in the Eyebank Center of Gongzhou Medical College. Gongzhou, China
1985-1988 Resident and postgraduate in the Department of Ophthalmology in the Second Affiliated Hospital of Sanxi Medical University. Taiyuan, China
1983-1985 Resident in the First Affiliated Hospital of University of South China.

Academic Membership.

1. Member of Chinese Ophthalmological Society (1988 to 2001)
2. Member of Japan Cornea Society. (1994 to 1999)
3. Member of Association for Research in Vision and Ophthalmology (since 1997)

Current Research

1. The molecular and cellular mechanisms of corneal wound healing
2. The molecular mechanisms of corneal nerve regeneration after injury
3. Human corneal nerve architecture in normal and disease conditions

Research Interests

The roles of stromal cells and corneal nerves in maintaining corneal transparency and integrity.

Recent Papers

1. M. Soledad Cortina, **Jiucheng He**, Na Li, Nicolas G. Bazan and Haydee E.P. Bazan. PEDF plus DHA Induces Neuroprotectin D1 Synthesis and Corneal Nerve Regeneration after Experimental Surgery. Invest Ophthalmol Vis Sci. 2009 (Submitted)
2. **Jiucheng He**, Haydee E.P. Bazan: Epidermal growth factor (EGF) Synergism with TGF-1 via PI-3 kinase activity in corneal keratocyte differentiation. Invest Ophthalmol Vis Sci. 2008; 49: 2936-2945.

3. Salomon Esquenazi, Isi Esquenazi, Lev Grunstein, **Jiucheng He**, Haydee E. P. Bazan. Immunohistological evaluation of the healing response at the flap interface in patients with LASIK ectasia requiring penetrating keratoplasty. *Journal of Refractive Surgery*. 2008 (accepted)
4. Salomon Esquenazi, **Jiucheng He**, Na Li, Nicolas G Bazan, William J Rand, Haydee, EP Bazan. Comparative in vivo high-resolution confocal microscopy of corneal epithelium, sub-basal nerves and stroma in mice with and without dry eye after PRK. *Clinical & Experimental ophthalmology*. 2007;35:545-549
5. Almamoun Abdelkader, Salomon Esquenazi, Haydee EP Bazan, **Jiucheng He**, Steve Gill, Herbert Kaufman. Healing Process at the Flap Edge and its Influence in the Development of Corneal Ectasia after LASIK. *Current Eye Research*. 2007; 31:903-908.
6. **Jiucheng He**, Haydee E.P. Bazan: Synergistic Effect of Platelet-activating Factor and Tumor Necrosis Factor- α on Corneal Myofibroblast Apoptosis. *Investigative Ophthalmology & Visual Science*. 2006; 47(3): 883-891
7. Salomon Esquenazi, **Jiucheng He**, Dooho B. Kim, Nicolas G. Bazan, Viet Bui, Haydee E. P. Bazan. Wound healing response and refractive regression after conductive keratoplasty. *J Cataract Refract Surg*. 2006; 32(3): 480-486
8. **Jiucheng He**, Nicolas G. Bazan, Haydee E.P. Bazan: Alkali-induced corneal stromal melting prevention by a novel platelet activating factor (PAF) receptor antagonist. *Arch Ophthalmol*. 2006(1); 124:70-78.
9. Paulo Ottino, **Jiucheng He**, Thomas W. Axelrad, and Haydee E. P. Bazan. PAF-induced furin and MT1-MMP expression is independent of MMP-2 activation in corneal myofibroblasts. *Invest Ophthalmol Vis Sci*. 2005; 46(2): 487-496.
10. Salomon Esquenazi, Haydee E. P. Bazan, Viet Bui, **Jiucheng He**, Dooho B. Kim, Nicolas G. Bazan. Topical combination of NGF and DHA increases rabbit corneal generation after PRK. *Invest Ophthalmol Vis Sci*. 2005;46(9):3121-3127.
11. Salomon Esquenazi, **Jiucheng He**, Haydee E. P. Bazan, Nicolas G. Bazan. Use of autologous serum in corneal epithelial defects post lamellar surgery. *Cornea*. 2005; 24:992-997.
12. Salomon Esquenazi, **Jiucheng He**, Nicolas G. Bazan, Haydee E. P. Bazan. Comparison of corneal wound healing response in PRK and LASEK. *J Cataract Refract Surg*. 2005; 31: 1632-1639.
13. Salomon Esquenazi, H. Sprague Eustis, Haydee E.P. Bazan, Alejandro Leon, **Jiucheng He**. Corneal Keloid in Lowe Syndrome. *J Pediatr Ophthalmol Strabismus*. 2005; 42:308-310.
14. Salomon Esquenazi, **Jiucheng He**, Haydee E. P. Bazan, Nicolas G. Bazan. Prevention of experimental diffuse lamellar keratitis using a novel platelet-activating factor receptor antagonist. *J Cataract Refract Surg*. 2004; 30: 884-891.
15. Guru-Dutt Sharma, **Jiucheng He**, and Haydee E. P. Bazan. P38 and ERK1/2 coordinate cellular migration and proliferation in epithelial wound healing. *J Biol Chem*. 2003; 278: 21989-21997.
16. Jie Yu, Liuhe Zhou, **Jiucheng He**, et al. Mutation Analysis in BIGH3 Gene in Chinese Patients with Corneal Dystrophies. *Journal of Chinese Ophthalmology*. 2003;39(10):64-72. (Chinese)
17. **Jiucheng He**, Xiaohong Zheng, Chie Sotozono and Shigeru Kinoshita. Prevention of corneal neovascularization by a synthetic inhibitor of metalloproteinase (SIMP). *Chin Ophthalmol Res*. 2001; 17:436-441.(Chinese)
18. Akiko Niiya, Norihiko Yokoi, Yasuhiro Matsumoto, Aoi Komuro, Takeshi Ishibashi, Satoshi Tomii, **Jiucheng He** and Shigeru Kinoshita. Effect of beta-blocker eyedrops on corneal epithelial barrier function. *Ophthalmologica*. 2000; 214: 332-336.
19. **Jiucheng He**, Hiroshi Ichimura, Tohko Iida, Masato Minami, Kappei Kobayashi, Masakazu Kita, Chie Sotozono, Yoh-Ichi Tagawa, Yoichiro Iwakura, and Jiro Imanishi. Kinetics of cytokine production in the cornea and trigeminal ganglion of C57BL/6 mice after corneal HSV-1 infection. *Journal of Interferon & Cytokine Research*. 1999; 19:609-615.
20. Chie Sotozono, **Jiucheng He**, Mamoru Tei, Yoich Honma, and Shigeru Kinoshita. Effect of metalloproteinase inhibitor on corneal cytokine expression after alkali injury. *Investigative Ophthalmology and Visual Science*. 1999; 40(10):2430-2434.

21. **Jiucheng He**. The persistent expression of interferon- γ in the HSV-1-infected murine trigeminal ganglion. *Journal of Kyoto Prefectural University of Medicine*. 1999; 108:135-143. (Japanese)