
Kim A. Baker, MD

CAREER GOALS

After completing my fellowship, I hope to practice Pediatric Otolaryngology in an academic setting that will encompass every facet of the field. My particular interests lie in Otology. I look forward to a working environment with a focus on education that also fosters camaraderie with other members of the Otolaryngology and Pediatric specialties. Equally important are a commitment to continuing education and service to the surrounding community as well as international outreach work.

LICENSURE AND BOARD CERTIFICATION

USMLE Step 1: Passed, 1999

USMLE Step 2: Passed, 2000

USMLE Step 3: Passed, 2006

LANGUAGES English, Spanish

EDUCATION

- 7/09 – present **Children’s Mercy Hospital**, Kansas City, MO
Department of Otolaryngology
Pediatric Otolaryngology Fellow
- 6/05 – 6/09 **University of Maryland Medical System**, Baltimore, MD
Department of Otolaryngology
Otolaryngology Resident
- 7/04 – 6/05 **University of Maryland Medical System**, Baltimore, MD
Department of General Surgery
Surgery Intern
- 7/02 – 6/04 **University of Maryland Medical System**, Baltimore, MD
Department of Otorhinolaryngology Head and Neck Surgery
Molecular Biology and Gene Therapy for Hearing Loss
Preceptor: Hinrich Staecker, MD PhD
Post-Doctoral Research Fellowship
- 6/01 – 6/02 **Medical College of Virginia**, Richmond, VA
Department of Internal Medicine
Medicine Intern
- 8/97 – 5/01 **University of Pittsburgh School of Medicine**, Pittsburgh, PA
Doctor of Medicine
- 7/93 – 5/97 **University of Virginia**, Charlottesville, VA
Bachelor of Arts
Major in Anthropology, Concentration in Linguistics
Minor in Spanish

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9/89 – 5/93 **Bethel High School**, Hampton, VA

HONORS

- 4/03, 4/07 Maryland Society Otolaryngology Annual Research Forum, Second Place for Resident Presentation of Academic Research
- 6/04 – 6/05 Intern of the Year award for pursuit of academic excellence and conference attendance, University of Maryland Dept. of General Surgery
- 8/97 – 5/01 Academic Scholarship, University of Pittsburgh School of Medicine
- 8/93 – 5/97 Academic Scholarship, University of Virginia

PUBLICATIONS

1. **Kim Baker**, Douglas Brough, Hinrich Staecker, Repair of the Vestibular System via Adenovector Delivery of Atoh 1: A Potential Treatment for Balance Disorders. *Gene Therapy of Cochlear Deafness. Adv. Otorhinolaryngology 2009; vol. 66: 52-63*
2. Hinrich Staecker, Mark Praetorius, **Kim Baker**, Douglas E. Brough, Vestibular hair cell regeneration and restoration of balance function induced by math1 gene transfer. *Otol Neurotol. 2007 Feb; 28(2):223-31*
3. M Praetorius, **K Baker**, DE Brough, P Plinkert, H Staecker, Pharmacodynamics of adenovector distribution within the inner ear tissues of the mouse. *Hear Res. 2006 Oct 31; 1708-1711*
4. H Staecker, DE Brough, M Praetorius, **K Baker**, Drug delivery to the inner ear using gene therapy. *Otolaryngol Clin North Am. 2004 Oct; 37(5):1091-108*
5. Mark Praetorius, **Kim Baker**, Corina M. Weich, Peter K. Plinkert, Hinrich Staecker, Hearing Preservation after Inner Ear Gene Therapy: The Effect of Vector and Surgical Approach. *ORL 2003; 65:211-214*

SCIENTIFIC POSTERS AND ORAL PRESENTATIONS

1. Staecker H., Praetorius M, Hsu C, **Baker K**, Plinkert P and Brough D. Promoter control of gene expression in adenovectors delivered to the vestibular system. *American Society for Gene Therapy Annual Meeting, Seattle WA, June 2007.*
2. **Baker, K.**, Chi, H., Brough, D., Praetorius, M., Staecker, H., The effect of age of injury on the efficacy of atoh1 mediated hair cell restoration in vitro, *ARO Feb 2007*
3. Mark Praetorius, Stefan Fink, **Kim Baker**, Ingo Baumann, Bernhard Schick, Peter K. Plinkert, Non Viral Delivery to the Auditory Structures, *ARO Feb 2006*
4. Staecker H, Praetorius M, **Baker K** and Brough D. Vestibular hair cell regeneration and restoration of balance function induced by math1 gene transfer. *American Neurotological Society Annual Fall Meeting, Los Angeles CA, Sept. 2005*

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5. Mark Praetorius, **Kim Baker**, Bernhard Schick, Peter Plinkert, Hinrich Staecker, Experiences with delivery of nanoparticles to the mouse cochlea, *Inner Ear Biology Meeting Sept 2005*
6. M. Praetorius, Staecker, H., Brough, D., **Baker, K.**, Plinkert, P., Regeneration of vestibular hair cells and functional rehabilitation by gene therapy with Math1 in the mouse, *German Otorhinolaryngology Congress May 2005*
7. Mark Praetorius, **Kim Baker**, Bernhard Schick, Peter Plinkert, Hinrich Staecker, Experiences with Delivery Approaches to the Rat Cochlea, *ARO Feb 2005*
8. Praetorius M, **Baker K.** Schick B, Plinkert P and Staecker H. Experiences with delivery approaches to the rat cochlea. *Association for Research in Otolaryngology Mid-Winter Meeting, New Orleans LA, Feb. 2005.*
9. Brough D, Praetorius M, Hsu C, **Baker K** and Staecker H. Mechanisms of adenoviral gene delivery in the inner ear. *American Society for Gene Therapy Annual Meeting, Minneapolis MN, June 2004.*
10. H. Staecker, K. Do, **K. Baker**, A mouse model of implantation trauma, *International Cochlear Implant Conference May 2004*
11. Thomas R. Van De Water, Syed Ahsan, **Kim Baker**, Cai Hong Mou, Jiao He, Adrien A. Eshraghi, Jose Guzman, Hinrich Staecker, Thomas J. Balkany, mRNAs that Encode for Members of the MAPK/JNK Cell Death Signal Pathway are Expressed in Organ of Corti, Stria Vascularis/Spiral Ligament, and Spiral Ganglion Tissues of laboratory rats, *ARO Feb 2004*
12. Hinrich Staecker, Mark Praetorius, **Kim Baker**, Douglas Broug, Vestibular Hair Cell Regeneration and Re-Establishment of Balance Function Induced by Math1 Gene Delivery, *ARO Feb 2004*
13. M. Rodriguez, **K. Baker**, M. Praetorius, H. Staecker, Transduction of anti-apoptotic genes to prevent the loss of spiral ganglion neurons after hair cell loss, *The Triological Society Jan 2004*
14. **K. Baker** and H. Staecker. Accumulation of mitochondrial DNA mutations in the aging rat ear, *AAO-HNS Annual Meeting Sept 2003*
15. Hinrich Staecker, **Kim Baker**, Effects of Oxidative Stress on Hair Cell Mitochondria in Vitro, *ARO Feb 2003*
16. Doug Brough, Chi Hsu, **Kim Baker**, Hinrich Staecker, The role of promoters and adenoviral constructs on persistence of gene expression in organ of corti and macular cultures, *ARO Feb 2003*

PROFESSIONAL MEMBERSHIPS

2004 – Present	American Academy of Otolaryngology-Head & Neck Surgery
2004 – Present	Maryland Society of Otolaryngology
2002 – Present	Academy of Research of Otolaryngology

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WORK EXPERIENCE

- 5/98 – 8/98 Discovery Zone Inc., Hampton, VA
Kids Coach and Party Coordinator
- 10/98 – 1/99 J. Crew Inc., Charlottesville, VA
Sales Representative
- 6/99 – 8/99 Children's Hospital of the King's Daughters Center for Pediatric
Research, Norfolk, VA
Preceptor: David O. Matson, MD
Research Assistant on Rotavirus Vaccine Trial

INTERESTS

International travel, Photography, Cooking, Dancing, Hiking, Water Sports