

## Post-Doctoral Fellowship

Inner Ear Sensory Regeneration and Human Stem Cell Biology

<http://www.waisman.wisc.edu/pi-Gubbels-Samuel.htm>

We are seeking highly motivated applicants for an NIH funded Post-Doctoral Fellowship in the Otolaryngology Division of the Department of Surgery and the Waisman Center at the University of Wisconsin – Madison. Our ongoing projects focus on the use of human pluripotent stem cells for studying inner ear development, disease modeling and the pursuit of cell transplantation based strategies into the mammalian inner ear for hearing loss. Experience in molecular biology, advanced gene editing approaches, stem cell culture and animal surgical models are desirable though not requisite. Qualified applicants will demonstrate evidence of strong language and writing skills as well as the ability to work in a diverse and collaborative research and training environment. Projects include 1) Regulation of inner ear progenitor and sensory hair cell differentiation from human pluripotent stem cells and 2) Transplantation of human pluripotent stem cell-derived inner ear progenitor-like cells into the developing and adult mouse inner ear. Our laboratory is located in the Waisman Center at the UW-Madison campus within a cluster of established stem cell sensory and neuroscience investigators. The Waisman Center is supported by an NIH P30 grant providing core facilities in Brain Imaging, Rodent Models, and Cellular and Molecular Neuroscience & Microscopy. In addition, our laboratory is affiliated with the University of Wisconsin Neuroscience Training Program and the Stem Cell & Regenerative Medicine Center. The University of Wisconsin – Madison has a rich history of stem cell research and provides a dynamic investigative atmosphere for the scientific and career advancement of trainees interested in stem cell biology and sensory regeneration.

Interested applicants should send their curriculum vitae and a letter of interest to Samuel Gubbels: [gubbels@surgery.wisc.edu](mailto:gubbels@surgery.wisc.edu)