



Katharine Miller

Postdoctoral Research Fellow, Otolaryngology - Head & Neck Surgery

Bio

PROFESSIONAL EDUCATION

- Bachelor of Arts, Northwestern University , Genetics and Molecular Biology
- Doctor of Philosophy, Universitat Hamburg (2014)

Publications

PUBLICATIONS

- **Loxhd1 mutations cause mechanotransduction defects in cochlear hair cells.** *The Journal of neuroscience : the official journal of the Society for Neuroscience*
Trouillet, A., Miller, K. K., George, S. S., Wang, P., Ali, N., Ricci, A., Grillet, N.
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- **TDP-43 enhances translation of specific mRNAs linked to neurodegenerative disease.** *Nucleic acids research*
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2018
- **Thalidomide treatment prevents chronic graft rejection after aortic transplantation in rats - an experimental study.** *Transplant international : official journal of the European Society for Organ Transplantation*
Miller, K. K., Wang, D. n., Hu, X. n., Hua, X. n., Deuse, T. n., Neofytou, E. n., Renne, T. n., Velden, J. n., Reichenspurner, H. n., Schrepfer, S. n., Bernstein, D. n.
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- **DENR-MCT-1 promotes translation re-initiation downstream of uORFs to control tissue growth.** *Nature*
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2014; 512 (7513): 208-212
- **A novel mouse model for inhibition of DOHH-mediated hypusine modification reveals a crucial function in embryonic development, proliferation and oncogenic transformation.** *Disease models & mechanisms*
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- **Marshalin, a microtubule minus-end binding protein, regulates cytoskeletal structure in the organ of Corti** *BIOLOGY OPEN*
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- **Marshalin, a microtubule minus-end binding protein, regulates cytoskeletal structure in the organ of Corti.** *Biology open*
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- **Carcinoembryonic antigen-related cell adhesion molecule 16 interacts with alpha-tectorin and is mutated in autosomal dominant hearing loss (DFNA4)** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*

Zheng, J., Miller, K. K., Yang, T., Hildebrand, M. S., Shearer, A. E., DeLuca, A. P., Scheetz, T. E., Drummond, J., Scherer, S. E., Legan, P. K., Goodyear, R. J., Richardson, G. P., Cheatham, et al
2011; 108 (10): 4218-4223

- **Interaction between the motor protein prestin and the transporter protein VAPA** *BIOCHIMICA ET BIOPHYSICA ACTA-MOLECULAR CELL RESEARCH*
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- **Interaction between CFTR and prestin (SLC26A5)** *BIOCHIMICA ET BIOPHYSICA ACTA-BIOMEMBRANES*
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- **EHD4 and CDH23 Are Interacting Partners in Cochlear Hair Cells** *JOURNAL OF BIOLOGICAL CHEMISTRY*
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- **Identifying components of the hair-cell interactome involved in cochlear amplification** *BMC GENOMICS*
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