

## Katharine Miller

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### Publications

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#### PUBLICATIONS

- **LOXHD1 is indispensable for maintaining TMC1 auditory mechanosensitive channels at the site of force transmission.** *Nature communications*  
Wang, P., Miller, K. K., He, E., Dhawan, S. S., Cunningham, C. L., Grillet, N.  
2024; 15 (1): 7865
- **SUB-immunogold-SEM reveals nanoscale distribution of submembranous epitopes.** *Nature communications*  
Miller, K. K., Wang, P., Grillet, N.  
2024; 15 (1): 7864
- **High-resolution immunofluorescence imaging of mouse cochlear hair bundles.** *STAR protocols*  
Miller, K. K., Wang, P., Grillet, N.  
2022; 3 (2): 101431
- **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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- **Dimensions of a Living Cochlear Hair Bundle** *Front Cell Dev Biol*  
Miller, K. K., Atkinson, P., Mendoza, K., Ó Maoláidigh, D., Grillet, N.  
2021; 9: 742529
- **Author Correction: LOXHD1 is indispensable for maintaining TMC1 auditory mechanosensitive channels at the site of force transmission.** *Nature communications*  
Wang, P., Miller, K. K., He, E., Dhawan, S. S., Cunningham, C. L., Grillet, N.  
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- **TDP-43 enhances translation of specific mRNAs linked to neurodegenerative disease** *NUCLEIC ACIDS RESEARCH*  
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- **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*  
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- **DENR-MCT-1 promotes translation re-initiation downstream of uORFs to control tissue growth.** *Nature*  
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- **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*  
Sievert, H., Pällmann, N., Miller, K. K., Hermans-Borgmeyer, I., Venz, S., Sendoel, A., Preukschas, M., Schweizer, M., Boettcher, S., Janiesch, P. C., Streichert, T., Walther, R., Hengartner, et al

2014; 7 (8): 963-976

- **Marshallin, a microtubule minus-end binding protein, regulates cytoskeletal structure in the organ of Corti** *BIOLOGY OPEN*  
Zheng, J., Furness, D., Duan, C., Miller, K. K., Edge, R. M., Chen, J., Homma, K., Hackney, C. M., Dallos, P., Cheatham, M. A.  
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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*  
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- **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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