

## HHF Research Webinar Bibliography

Accessing the Inner Ear for Treatments | Monday, April 3, 5pm ET

Tony Ricci, Ph.D.

- Alharazneh, A., L. Luk, M. Huth, A. Monfared, P. S. Steyger, A. G. Cheng and A. J. Ricci (2011). "Functional hair cell mechanotransducer channels are required for aminoglycoside ototoxicity." *PLoS One* 6(7): e22347.
- Alyono, J. C., C. E. Corrales, M. E. Huth, N. H. Blevins and A. J. Ricci (2015). "Development and characterization of chemical cochleostomy in the guinea pig." *Otolaryngol Head Neck Surg* 152(6): 1113-1118.
- D, O. M. and A. J. Ricci (2019). "A Bundle of Mechanisms: Inner-Ear Hair-Cell Mechanotransduction." *Trends Neurosci* 42(3): 221-236.
- Farris, H. E., C. L. LeBlanc, J. Goswami and A. J. Ricci (2004). "Probing the pore of the auditory hair cell mechanotransducer channel in turtle." *J Physiol* 558(Pt 3): 769-792.
- Huth, M. E., K. H. Han, K. Sotoudeh, Y. J. Hsieh, T. Effertz, A. A. Vu, S. Verhoeven, M. H. Hsieh, R. Greenhouse, A. G. Cheng and A. J. Ricci (2015). "Designer aminoglycosides prevent cochlear hair cell loss and hearing loss." *J Clin Invest* 125(2): 583-592.
- Kim, J. and A. J. Ricci (2022). "In vivo real-time imaging reveals megalin as the aminoglycoside gentamicin transporter into cochlea whose inhibition is otoprotective." *Proc Natl Acad Sci U S A* 119(9).
- Kim, J. and A. J. Ricci (2023). "A chemo-mechanical cochleostomy preserves hearing for the in vivo functional imaging of cochlear cells." *Nat Protoc*.
- O'Sullivan, M. E., Y. Song, R. Greenhouse, R. Lin, A. Perez, P. J. Atkinson, J. P. MacDonald, Z. Siddiqui, D. Lagasca, K. Comstock, M. E. Huth, A. G. Cheng and A. J. Ricci (2020). "Dissociating antibacterial from ototoxic effects of gentamicin C-subtypes." *Proc Natl Acad Sci U S A* 117(51): 32423-32432.
- Pan, B., J. Waguespack, M. E. Schnee, C. LeBlanc and A. J. Ricci (2012). "Permeation properties of the hair cell mechanotransducer channel provide insight into its molecular structure." *J Neurophysiol* 107(9): 2408-2420.
- Peng, A. W., F. T. Salles, B. Pan and A. J. Ricci (2011). "Integrating the biophysical and molecular mechanisms of auditory hair cell mechanotransduction." *Nat Commun* 2: 523.
- Ricci, A. (2002). "Differences in mechano-transducer channel kinetics underlie tonotopic distribution of fast adaptation in auditory hair cells." *J Neurophysiol* 87(4): 1738-1748.
- Talaei, S., M. E. Schnee, K. A. Aaron and A. J. Ricci (2019). "Dye Tracking Following Posterior Semicircular Canal or Round Window Membrane Injections Suggests a Role for the Cochlea Aqueduct in Modulating Distribution." *Front Cell Neurosci* 13: 471.
- Vu, A. A., G. S. Nadaraja, M. E. Huth, L. Luk, J. Kim, R. Chai, A. J. Ricci and A. G. Cheng (2013). "Integrity and regeneration of mechanotransduction machinery regulate aminoglycoside entry and sensory cell death." *PLoS One* 8(1): e54794.
- Waguespack, J. R. and A. J. Ricci (2005). "Aminoglycoside ototoxicity: permanent drugs cause permanent hair cell loss." *J Physiol* 567(Pt 2): 359-360.