



Taha Adnan Jan

- Postdoctoral Research Fellow, Otolaryngology - Head & Neck Surgery
- Fellow in Medicine

CLINICAL OFFICES

- **Otolaryngology - Head and Neck Surgery**

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Bio

BIO

Dr. Taha Jan graduated summa cum laude with a bachelor's in molecular and cellular biology with honors from Vanderbilt University. As an undergraduate, he worked in the laboratory of Dr. Larry Zwiebel on the olfactory system and in the laboratory of Dr. Robert Waters investigating the somatosensory cortex and gustatory system. He then attended medical school at Stanford University, where he studied the role of the Wnt pathway in murine cochlear development under the tutelage of Dr. Alan Cheng. He spent an extra year as a Howard Hughes Medical Institutes research fellow while at Stanford to further pursue his research interests on cochlear development, stem cell biology, and regenerative medicine.

Dr. Jan completed his internship in general surgery at the Mass General Hospital (MGH) and completed residency in Otolaryngology - Head & Neck Surgery in the Harvard/Mass Eye & Ear Infirmary training program in Boston. His work during residency focused on the effects of secreted factors from human vestibular schwannomas on hearing loss in the Eaton-Peabody Laboratories as part of Dr. Tina Stankovic's group. During residency, he published on superior canal dehiscence etiology, endoscopic ear surgery techniques, and hearing loss. Dr. Jan is a current postdoctoral research fellow and ACGME otology/neurotology fellow in the Stanford T32 funded Clinician Scientist Training Program (CSTP). His research interests include development of the inner ear and stem cell biology with the goal of ultimately translating discoveries in these areas into therapeutics for patients suffering from hearing and vestibular disorders. His clinical interests include hearing loss, otosclerosis, stapes surgery, cholesteatoma, endoscopic ear surgery, cochlear implantation, tympanic membrane perforation, sudden sensorineural hearing loss, superior canal dehiscence syndrome, acoustic neuroma (vestibular schwannoma), temporal bone tumors.

CLINICAL FOCUS

- Neurotology
- Otology
- Hearing Loss
- Skull Base Surgery
- Fellow

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Diplomate, American Board of Otolaryngology - Head and Neck Surgery (2018 - present)

PROFESSIONAL EDUCATION

- Residency, Mass Eye & Ear Infirmary / Harvard Medical School , Otolaryngology - Head & Neck Surgery (2017)
- Internship, Massachusetts General Hospital , General Surgery (2013)
- Doctor of Medicine, Stanford University , MED-MD (2012)
- Bachelor of Arts, Vanderbilt University , UG Biological Sciences (2007)

STANFORD ADVISORS

- Alan Cheng, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **The future of otology.** *The Journal of laryngology and otology*
Jackler, R. K., Jan, T. A.
2019: 1–12
- **Pneumatocele of the Tympanic Membrane.** *Otology & neurotology*
Gadkaree, S. K., Jan, T. A., Quesnel, A. M.
2017
- **Relationship between Surgically Treated Superior Canal Dehiscence Syndrome and Body Mass Index.** *Otolaryngology--head and neck surgery : official journal of American Academy of Otolaryngology-Head and Neck Surgery*
Jan, T. A., Cheng, Y. S., Landegger, L. D., Lin, B. M., Srikanth, P., Niesten, M. E., Lee, D. J.
2017: 194599816686563-?
- **Third-generation bisphosphonates for cochlear otosclerosis stabilizes sensorineural hearing loss in long-term follow-up.** *Laryngoscope investigative otolaryngology*
Jan, T. A., Remenschneider, A. K., Halpin, C., Seton, M., McKenna, M. J., Quesnel, A. M.
2017; 2 (5): 262–68
- **Profiling Specific Inner Ear Cell Types Using Cell Sorting Techniques.** *Methods in molecular biology (Clifton, N.J.)*
Jan, T. A., Jansson, L., Atkinson, P. J., Wang, T., Cheng, A. G.
2016; 1427: 431-445
- **Improvement in word recognition following treatment failure for sudden sensorineural hearing loss.** *World journal of otorhinolaryngology - head and neck surgery*
Jan, T. A., Kozin, E. D., Kanumuri, V. V., Sethi, R. K., Jung, D. H.
2016; 2 (3): 168–74
- **Skin Necrosis as a Complication of Therapeutic Hypothermia** *JOURNAL OF BURN CARE & RESEARCH*
Liu, Y. M., Ibrahim, A., Jan, T., Chang, P., Fagan, S., Goverman, J.
2014; 35 (3): E184-E186
- **Transient, afferent input-dependent, postnatal niche for neural progenitor cells in the cochlear nucleus.** *Proceedings of the National Academy of Sciences of the United States of America*
Volkenstein, S., Oshima, K., Sinkkonen, S. T., Corrales, C. E., Most, S. P., Chai, R., Jan, T. A., Cheng, A. G., Heller, S.
2013; 110 (35): 14456-14461
- **Intranasal myiasis: A rare complication of transnasal skull base surgery** *JOURNAL OF CLINICAL NEUROSCIENCE*
Jan, T. A., Redjal, N., Walcott, B. P., Sheth, S. A.
2013; 20 (8): 1178-1180

- **Tympanic border cells are Wnt-responsive and can act as progenitors for postnatal mouse cochlear cells** *DEVELOPMENT*
Jan, T. A., Chai, R., Sayyid, Z. N., van Amerongen, R., Xia, A., Wang, T., Sinkkonen, S. T., Zeng, Y. A., Levin, J. R., Heller, S., Nusse, R., Cheng, A. G.
2013; 140 (6): 1196-1206
- **A simple method for purification of vestibular hair cells and non-sensory cells, and application for proteomic analysis.** *PloS one*
Herget, M., Scheibinger, M., Guo, Z., Jan, T. A., Adams, C. M., Cheng, A. G., Heller, S.
2013; 8 (6)
- **Effect of Obesity and Medical Comorbidities on Outcomes After Adjunct Surgery for Obstructive Sleep Apnea in Cases of Adenotonsillectomy Failure** *ARCHIVES OF OTOLARYNGOLOGY-HEAD & NECK SURGERY*
Chan, D. K., Jan, T. A., Koltai, P. J.
2012; 138 (10): 891-896
- **Wnt signaling induces proliferation of sensory precursors in the postnatal mouse cochlea** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Chai, R., Kuo, B., Wang, T., Liaw, E. J., Xia, A., Jan, T. A., Liu, Z., Taketo, M. M., Oghalai, J. S., Nusse, R., Zuo, J., Cheng, A. G.
2012; 109 (21): 8167-8172
- **Dynamic Expression of Lgr5, a Wnt Target Gene, in the Developing and Mature Mouse Cochlea** *JARO-JOURNAL OF THE ASSOCIATION FOR RESEARCH IN OTOLARYNGOLOGY*
Chai, R., Xia, A., Wang, T., Jan, T. A., Hayashi, T., Bermingham-McDonogh, O., Cheng, A. G.
2011; 12 (4): 455-469
- **Intrinsic regenerative potential of murine cochlear supporting cells** *SCIENTIFIC REPORTS*
Sinkkonen, S. T., Chai, R., Jan, T. A., Hartman, B. H., Laske, R. D., Gahlen, F., Sinkkonen, W., Cheng, A. G., Oshima, K., Heller, S.
2011; 1
- **Effects of Corticosteroids on Functional Recovery and Neuron Survival After Facial Nerve Injury in Mice** *ARCHIVES OF FACIAL PLASTIC SURGERY*
Lieberman, D. M., Jan, T. A., Ahmad, S. O., Most, S. P.
2011; 13 (2): 117-124
- **Single cell transcriptional profiling reveals heterogeneity of human induced pluripotent stem cells** *JOURNAL OF CLINICAL INVESTIGATION*
Narsinh, K. H., Sun, N., Sanchez-Freire, V., Lee, A. S., Almeida, P., Hu, S., Jan, T., Wilson, K. D., Leong, D., Rosenberg, J., Yao, M., Robbins, R. C., Wu, et al
2011; 121 (3): 1217-1221
- **Isolating LacZ-expressing cells from mouse inner ear tissues using flow cytometry.** *Journal of visualized experiments : JoVE*
Jan, T. A., Chai, R., Sayyid, Z. N., Cheng, A. G.
2011; e3432-?
- **Genetic Analysis of Tongue Size and Taste Papillae Number and Size in Recombinant Inbred Strains of Mice** *CHEMICAL SENSES*
Reiner, D. J., Jan, T. A., Boughter, J. D., Li, C., Lu, L., Williams, R. W., Waters, R. S.
2008; 33 (8): 693-707
- **A functional role for Anopheles gambiae Arrestin1 in olfactory signal transduction** *JOURNAL OF INSECT PHYSIOLOGY*
Walker, W. B., Smith, E. M., Jan, T., Zwiebel, L. J.
2008; 54 (4): 680-690
- **Genetic analysis of posterior medial barrel subfield (PMBSF) size in somatosensory cortex (SI) in recombinant inbred strains of mice** *BMC NEUROSCIENCE*
Jan, T. A., Lu, L., Li, C., Williams, R. W., Waters, R. S.
2008; 9
- **Early postnatal alcohol exposure reduced the size of vibrissal barrel field in rat somatosensory cortex (SI) but did not disrupt barrel field organization** *ALCOHOL*
Oladehin, A., Margret, C. P., Maier, S. E., Li, C. X., Jan, T. A., Chappell, T. D., Waters, R. S.
2007; 41 (4): 253-261
- **Prenatal alcohol exposure (PAE) reduces the size of the forepaw representation in forepaw barrel subfield (FBS) cortex in neonatal rats: relationship between periphery and central representation** *EXPERIMENTAL BRAIN RESEARCH*
Margret, C. P., Chappell, T. D., Li, C. X., Jan, T. A., Matta, S. G., Elberger, A. J., Waters, R. S.

