

PROMOTION RECOMMENDATION
THE UNIVERSITY OF MICHIGAN
MEDICAL SCHOOL
DEPARTMENT OF OTOLARYNGOLOGY-HEAD AND NECK SURGERY

Gregory J. Basura, M.D., Ph.D., assistant professor of otolaryngology-head and neck surgery, Department of Otolaryngology-Head and Neck Surgery, Medical School, is recommended for promotion as associate professor of otolaryngology-head and neck surgery, with tenure, Department of Otolaryngology-Head and Neck Surgery, Medical School.

Academic Degrees:

M.D.	2005	University of Washington
Ph.D.	1999	Wayne State University
B.S.	1994	The College of Idaho, Caldwell, ID
B.A.	1994	The College of Idaho, Caldwell, ID

Professional Record:

2012-present Assistant Professor, Department of Otolaryngology-Head and Neck Surgery,
University of Michigan

Summary of Evaluation:

Teaching: Dr. Basura is a dedicated educator who has been involved with mentoring and teaching undergraduate and medical students, residents and fellows who have gone on to practice at other universities or are in private practice. His teaching occurs in multiple settings including the clinic and operating room. He teaches first year medical students head and neck physical examination as well as small group lectures in the new Medical School curriculum, and annual lectures in the neurology residents lecture series. Dr. Basura is a teaching faculty in the temporal bone courses held four times per year where residents and practicing otolaryngologists from all over the world come to practice advanced ear surgical procedures. He is an instructor in the annual Otolaryngology Essentials Boot Camp, which is a full day session where residents from the Midwest come for training in our simulation center. He has mentored six undergraduate students, three graduate students, three medical students, five residents, and three fellows. In 2016, Dr. Basura received the Token of Appreciation from Medical Students award, a testament to his teaching excellence.

Research: Dr. Basura's research activity involves both basic science and clinical research. In animal models, he is investigating multi-sensory integration and the modulation of central auditory pathways following noise induced tinnitus and single-sided deafness. He is also investigating neurotransmitter receptors that may be targets to regulate pathological neuro-activity in tinnitus and deafness. His clinical research involves using non-invasive neuroimaging to measure brain activity and plasticity in humans with tinnitus and sudden single-sided deafness. Dr. Basura's research has been funded by a Clinician-Scientist Development Award sponsored by the American Otological Society, the NIH and institutional grants. He has published more than 50 peer-reviewed articles, and has been invited to present his research on 21 occasions regionally, nationally and internationally. Dr. Basura was invited to discuss cochlear implant candidacy, performance evaluation, and future trends in the Pan American Otolaryngology Conference in June 2016 in Havana, Cuba. He was also invited in November 2016 to present his research on Functional Near-Infrared Spectroscopy Brain Imaging in Adult Recipients of Cochlear Implants at the Cochlear Implant Symposium in Sydney, Australia, and

in 2019 as a guest speaker at the 36th Alexandria International Combined ORL Congress in Alexandria, Egypt.

Recent and Significant Publications:

Waller, B, Larsen-Reindorf R, Duah M, Edwards B, Brown D, Moyer, J, Prince M and Basura GJ: Otolaryngology outreach to Komfo Anokye Teaching Hospital: a medical and educational partnership. *Otology and Laryngology*, 14: 1-6, 2017.

Issa M, Bisconti S, Kovelman I, Kileny P, and Basura GJ: Human auditory and adjacent non-auditory cortices are hyper-metabolic in tinnitus as measured by functional near-infrared spectroscopy (fNIRS). *Neural Plasticity*, 1-13, 2016.

Basura GJ, Koehler SD, Shore SE: Bimodal stimulus timing-dependent plasticity in primary auditory cortex is altered after noise exposure with and without tinnitus. *Journal of Neurophysiology*, 114 3064-3075, 2015.

Basura GJ, Lin GC, Telian SA: Comparison of second-echelon treatments for Meniere's disease. *JAMA Otolaryngology Head and Neck Surgery*, 140 754-761, 2014.

Basura GJ, Koehler SD, Shore SE: Multi-sensory integration in brainstem and auditory cortex. *Brain Research (Special Issue in Brain Research: Advances in the Neuroscience of Tinnitus)*, 1485 95-107, 2012.

Service: Dr. Basura's clinical work is focused in the area of otology, including routine otologic care with an emphasis on temporal bone tumors and cutaneous malignancy. He developed an effective otologic oncology cutaneous malignancy practice through strong nursing coordination and referrals from the University of Michigan Mohs' surgeons and outside providers. Dr. Basura has served as the lead neurotologist in the development of a long-term medical educational outreach partnership between the Department of Otolaryngology-Head and Neck Surgery and Komfo Anokye Teaching Hospital (KATH) in Kumasi, Ghana. The goal of this partnership is to strengthen the otolaryngology residency program at KATH by furnishing equipment and basic infrastructure and enhancing the teaching skills of the faculty and residents. In addition, he travels to Ghana several times a year to provide hands on teaching in the clinic and the operating room. Dr. Basura has begun developing a clinical/epidemiologic research platform investigating pediatric hearing loss, with initial funding to a Ghanaian public health researcher through the Gates Foundation. Nationally, he serves on the Humanitarian Outreach and International Medicine Committees through the American Academy of Otolaryngology-Head and Neck Surgery. He also served on several clinical practice guidelines committees through the academy. He currently is a member of six institutional committees.

External Reviewers:

Reviewer A: "The quality of his basic science work is high. He has remained focused in following a line of inquiry and therefore demonstrates commitment to scholarly work. There are very few clinician-scientists who have demonstrated persistence in studying a clinical problem such as tinnitus. Animal and human research in this field is time consuming and challenging, and therefore does not lend itself to short-term or rapid studies that are reflected in a high publication rate. Dr. Basura's tinnitus research publications are important and relevant. It is commendable that he has successfully published high quality work in this field and remained clinically and surgically active."

Reviewer B: “Dr. Basura meets criteria for national reputation with sustained academic contributions that I expect to grow in the years to come. His national and growing international reputation are evident in numerous presentations, many of which were invited. He is also an active teacher for which he has been recognized by medical students at the University of Michigan. Dr. Basura’s excellent academic record as an educator and researcher would meet criteria for promotion to associate professor at [two institutions] where I have served in academic leadership roles.”

Reviewer C: “I have known of Dr. Basura’s work for many years and was disappointed when he elected not to come to [my institution] for his neurotology fellowship...I think Dr. Basura is an outstanding clinician and researcher. I think that the University of Michigan is very fortunate to have someone of his caliber and character on the faculty and I recommend this promotion without reservation. I would also state that his promotion would most likely be accomplished at [my institution] in a similar position and hope that he will continue to be with you for a long period of time.”

Reviewer D: “As a clinician-scientist, Dr. Basura brings a unique scientific background to the field of auditory neuroscience and clinical neurotology. To my knowledge he is one of only two bona fide clinical otolaryngologists who also are expert in electrophysiology in the world. Based on these unique skill sets and his excellent training, Dr. Basura has developed a novel and impactful research program...In the arenas of patient care, education, and scientific investigation, Dr. Basura has already had an enduring impact and is well poised to continue the remarkable trajectory of his career...I enthusiastically endorse the promotion of Dr. Basura to Associate Professor with tenure.”

Reviewer E: “...Dr. Basura has amassed an impressive CV with numerous scholarly contributions. His work on tinnitus and the central auditory system is particularly notable and has gained him significant national recognition. I am impressed that his national committee involvement and his research have been accelerating in the last several years. His body of work would easily place him in the top quartile of the academicians at his level. I am confident that he would be successfully promoted at my institution.”

Summary of Recommendations:

Dr. Basura is highly skilled and active in his clinical arena in otology and has a record of peer-reviewed publications that is accelerating. His institutional, national and international teaching contributions are extensive, highly regarded, and a clear strength. I am pleased, therefore, to recommend Gregory J. Basura, M.D., Ph.D. for promotion to associate professor of otolaryngology-head and neck surgery, with tenure, Department of Otolaryngology-Head and Neck Surgery, Medical School.



Marschall S. Runge, M.D., Ph.D.
Executive Vice President of Medical Affairs
Dean, Medical School

May 2020