

The Robert G. Townley Memorial Lectureship



Following completion of residency in Internal Medicine and Fellowship in Allergy Asthma and Immunology in Boston, MA, Dr. Robert G. Townley joined the faculty of Medicine and was Assistant Chief, Department of Asthma-Allergy, National Jewish Hospital, located in Denver, CO. Dr. Townley subsequently returned to Creighton University in Omaha, NE and started an allergy asthma and immunology division in the department of medicine and initiated their allergy fellowship training program.

Dr. Townley has helped train more than 50 fellows in allergy as well as 32 postdoctoral fellows from Japan, who had already finished their clinical training in allergy. He has helped initiate and carry out studies both in bench and animal research in allergy/immunology as well as clinical trials. His preclinical and clinical studies focused on airway hyperresponsiveness and inflammation. Five students have obtained their PhD with the allergy division. He has helped editor co-edit 3 textbooks pertaining to asthma and inflammation, airway smooth muscle, and Immunopharmacology of allergic diseases. He had also been successful in obtaining 3 NIH RO1 grants and an Allergic Disease Centre Grant.

Dr. Townley's allergy program was one of the clinical sites involved in the study of the IL-13 antagonist Lebrikizumab in the treatment in adults with asthma. This study was supported by Genentec and showed that the asthma subjects with high levels of the Periostin gene demonstrated significantly greater improvement in their FEV1 in those subjects treated with Lebrikizumab. (Corren, J., R.F. Lemanske et al 2011. Lebrikizumab treatment in adults with asthma. N. Engl. J. Med).

Sadly, with Dr. Townley's passing on Friday, September 9, 2016, this lectureship has been renamed the Robert G. Townley Memorial Lectureship. The lectureship will help to preserve the memory of Dr. Townley and all his wonderful accomplishments and contributions during his lifetime.

2020 marks the 6th year of the Robert G. Townley Memorial Lectureship. It will be presented during Symposium session: 2521 National Institute of Environmental Health Sciences (NIEHS): Exposure to Endocrine-Disrupting Chemicals and Asthma-Related Outcomes on March 14, 2020 at 12:30 pm - Convention Center, 400 Level, Terrace Ballroom III

Terumi Midoro-Horiuti, MD PhD

Associate Professor in the Division of Clinical and Experimental Allergy, Immunology, and Infectious Diseases in the Department of Pediatrics at the University of Texas Medical Branch at Galveston.



Terumi Midoro-Horiuti, MD PhD is an Associate Professor in the Division of Clinical and Experimental Allergy, Immunology, and Infectious Diseases in the Department of Pediatrics at the University of Texas Medical Branch at Galveston. She received her M.D. from the Saga Medical School, Saga, Japan, and PhD from the Okayama University Medical School, Okayama, Japan. She was clinically trained in Pediatrics and Allergy/Immunology at the Okayama University Medical School and research trained in Pediatrics at the University of Texas Medical Branch at Galveston. Her primary research interests include structural biology of allergens and environmental

estrogen effects on the development of allergy. She identified, cloned, sequenced and IgE epitopes identified the major allergens of mountain cedar pollen, Jun a 1 and Jun a 3. Her group has crystallized Jun a 1 and modeled Jun a 3, and mapped IgE epitopes. She has expended her research on the effects of environmental estrogen on the development of allergic diseases. She has identified effects of a panel of environmental estrogens on allergy. Genome wide analyses of CD4+T and CD8+T cells from the mouse model of asthma with bisphenol A (BPA) exposure are ongoing. She is a former McLaughlin Fellow and a Parker B. Francis Fellow in Pulmonary Research. She is a Project leader of Multidisciplinary Translational Teams (MTT) at the Institute for Translational Sciences, a Fellow of UTMB Center for Interdisciplinary Research in Women's Health, a Member of Sealy Center for Vaccine Development and an Associate Member of the Graduate Faculty, University of Texas Graduate School of Biomedical Sciences. She has directed funded projects from NIAID, NIEHS, and the AAAAI/American Lung Association. She is the author of over 60 peer reviewed publications and an Associate Editor for BMC Pulmonary Medicine. She has received lectureship awards from the International Palynology Congress/International Palaeobotany, *Japanese Society of Allergology*, and *Japanese Society of Pediatric Allergy*.