

## The Rebecca Buckley Lectureship



Rebecca Hatcher Buckley, M.D. was born in 1933 in Hamlet, North Carolina. She graduated with an A.B. degree from Duke University in 1954, an MD degree from the University of North Carolina School of Medicine in 1958 and received housestaff training in Pediatrics at Duke.

Dr. Buckley was a fellow in Allergy under Dr. Susan C. Dees and a fellow in Immunology under Dr. Richard S. Metzgar, all at Duke. She then became a faculty member in the Department of Pediatrics, served as Chief of the Division of Allergy and Immunology from 1974 to 2003 and has been the James Buren Sidbury Distinguished Professor of Pediatrics and Professor of Immunology at Duke since 1979.

Dr. Buckley's research interests have been in the fundamental causes of genetically-determined immunodeficiency diseases. For the past 29 years her research has been on the syndrome of severe combined immunodeficiency (SCID) and the longterm clinical and immunologic outcomes of nonablative T cell-depleted parental bone marrow transplants. This treatment can be provided to all SCID infants, regardless of whether they have a matched sibling donor. For the past one and half decades she has advocated newborn screening for SCID, and the Secretary of HHS officially recommended that this be implemented in May of 2010. Dr. Buckley is the author or co-author of more than 315 scientific publications.

Over 30 national committees and councils have been fortunate to have Dr. Buckley as a member. She was president of The American Academy of Allergy, Asthma and Immunology (AAAAI) from 1979-80. She is a member of the Society for Pediatric Research, the American Pediatric Society (Council 1991-2001; President 1999-2000), American Association for the Advancement of Science, Fellow (2000); Chairman Section on Medical Sciences (2001-2003), American Association of Immunologists (Chairman, Clinical Immunology Committee 1984-87), and American Academy of Pediatrics (Section on Allergy & Immunology; Executive Committee 1981-84).

She served two full terms as a Director of the American Board of Allergy and Immunology. Dr. Buckley has also served on a number of editorial boards including the Journal of Immunology, the Journal of Allergy and Clinical Immunology and the Journal of Clinical Immunology, where she was Associate Editor. She chaired the NIH Immunological Sciences Study Section and was a member of NIAID's Board of Scientific Counselors.

Dr. Buckley has received countless awards and honors for her contributions to medicine from organizations such as the National Institutes of Health, the Immune Deficiency Foundation, the American Society for Microbiology and the American Academy of Allergy, Asthma and Immunology where she was named an Honorary Fellow in 1999.

She is a member of Alpha Omega Alpha. In October of 2003 she was elected to the Institute of Medicine of the National Academy of Sciences. On October 13, 2006, she became the recipient of the 2006 William G. Anlyan, M.D. Lifetime Achievement Award from the Duke Medical Alumni Association. On September 30, 2007 she was appointed by the U.S. Secretary of HHS to a 4 year term as a member of the HRSA Advisory Committee on Heritable Disorders of Newborns and Children.

On May 3, 2011 she was elected a member of the National Academy of Sciences. Dr. Buckley currently serves on the ITN Data and Safety Monitoring Board for NIAID and as Chairman of the Medical Advisory Committee of the Immune Deficiency Foundation. She remains actively involved in clinical and scientific research, teaching and patient care.

2012 marks the first year of the Rebecca Buckley Lectureship. **It will be presented at Plenary Session 5101: Immunology at the Epithelial Frontier on Tuesday, March 06, 2012 from 8:15 am - 9:45 am.**

## **The Rebecca Buckley Lecturer – Marsha A. Wills-Karp, PhD**



Marsha Wills-Karp, Ph.D. was born in Tyler, Texas. She received her B.S. and M.S. degrees from Texas State University in 1980 and 1982, respectively. She received her Ph.D. from the University of California at Santa Barbara in 1986 in Environmental Health Sciences.

She subsequently completed post-doctoral training in pulmonary biology at Yale University and Johns Hopkins University. She joined the faculty of Johns Hopkins School of Public Health in 1990 and rose to the rank of Associate Professor.

In 2000, she became the founding Director of the Division of Immunobiology and the founding Director of the Immunobiology Graduate Program at Cincinnati Children's Hospital Medical Center. She served as the Rieveschl Professor of Pediatrics from 2009-2011 and the Associate Dean of Basic Sciences from 2008-2010. In 2012, she returned to Johns Hopkins Bloomberg School of Public Health as the Chair of the Department of Environmental Health Sciences.

Dr. Wills-Karp's research interests have been focused on determining the fundamental genetic, and environmental causes of allergic diseases such as asthma. For the past 20 years her research has been focused on the role of aberrant production of CD4+ Th2 cytokines in the development of asthma. She and her group were one of the first groups to demonstrate the importance of the Th2 cytokine, IL-13 in the development of allergic asthma. Antibodies against this cytokine are now in clinical trials for the treatment of asthma.

More recently, she has made substantial contributions to our understanding of the mechanisms underlying allergenicity of common allergens. Dr. Wills-Karp is the author or co-author of more than 130 scientific publications. She has a strong commitment to the education of future scientists and has trained over 35 students and post-doctoral fellows who have gone on to successful careers of their own.

Dr. Wills-Karp has served on over 25 national committees for organizations such as NIH, FDA (Member of Allergenic Products Advisory Committee, Chair, Internal Review of Laboratory of Immunobiochemistry), Keystone Symposia (Member, Keystone Advisory Committee, 2010) and multiple industry advisory boards. She is a fellow of the American Academy of Allergy, Asthma, and Immunology, a member of the American Pediatric Society, 2010; a member of the American Thoracic Society (Program Committee, 1993; ATS Educational Committee 2001; ATS Women's Mentoring Program, 2002), and a member of the American Association of Immunologists (Finance Committee, 2005; Member, Clinical Immunology Committee, 2011-present).

As a recognized leader in immunology, she was appointed as a founding member of the Faculty of 1000. Dr. Wills-Karp has also served on a number of editorial boards including the American Journal of Respiratory Cell Molecular Biology, the American Journal of Physiology, and Mucosal Immunology, where she is currently Associate Editor. In 2007, she was appointed as an Executive Leadership for Academic Medicine (ELAM) Fellow.

She has served on several NIH study Sections and is currently the Chair of the AITRC Study Section. She has received several awards for her contributions to the field of allergy and immunology from organizations such as NIH (Distinguished Immunology Professor Award, NIAID, 2005), AAAAI (John Salvaggio Memorial Lectureship, 2001), Texas State University (Distinguished Alumni Award, 2002), and the Distinguished Lectureship, Japan in 2005.