

**Endocrinology, Diabetes, and Metabolism Didactic Series**  
**December 12, 2023, 3:00-4:00pm**  
**COM Room 5403**



**SPEAKER: David H. Wasserman, PhD**

*Professor of Molecular Physiology and Biophysics  
AM Lyle Professor of Biomedical Research*

**TOPIC: “Extracellular Matrix - Integrin Axis Contributes to Insulin Resistance”**

Dr. Wasserman is Professor of Molecular Physiology & Biophysics and AM Lyle Chair of Biomedical Sciences at Vanderbilt University. Dr. Wasserman has been Director of the NIDDK Vanderbilt Mouse Meta-bolic Phenotyping Center since its inception in 2001 and on the Executive Committee of the Vanderbilt Diabetes Research and Training Center since 2007. Dr. Wasserman is co-Director of the MMPC Course entitled “Glucose Clamping the Conscious Mouse” which is now in its 22nd edition. Dr. Wasserman is recipient of the Bowditch Award and the Solomon Berson Award of the American Physiological Society, an NIH MERIT Award, The C.R. Park Award for Excellence in Research, and The John H. Exton Award for Research Leading to Innovative Biological Concepts

**Outcome Objectives:**

1. ECM is inversely related to insulin sensitivity,
2. Obesity leads to ECM expansion and activation of integrin heterodimeric receptors,
3. Integrin-linked kinase contributes to fatty liver and impairs suppression of glucose production.