



***The Department of Electrical & Computer Engineering
In partnership with the Nano Institute of Utah***

Presents a Special Guest Speaker

Owen McGuinness, Ph.D.

*Professor, Molecular Physiology and Biophysics
Director, Metabolic Patho-Physiology Core of the
MMPC*

*Vanderbilt University School of Medicine,
Nashville, TN*

*“Impact of inflammatory stress on
glucose metabolism and insulin
action in vivo”*



Dr. McGuinness' lab “is focused on understanding the mechanism(s) responsible for dysregulated glucose metabolism in muscle and liver during both acute and chronic inflammatory stress. We have observed that the excess glucagon secretion present during inflammatory stress impairs the ability of insulin to chronically regulate liver glucose uptake. Additional studies examining suggest that *in vivo* factors other than alterations insulin signaling play a central role in muscle insulin resistance following an acute inflammatory stress.”

**Thursday, May 12, 2011
HSEB Room 3515B
2:00PM – 3:00PM**

Hosted by Dr. Florian Solzbacher – Ph: (801) 587-3917