



AND

YALE CLAUDE D. PEPPER OLDER AMERICANS INDEPENDENCE CENTER

## BIOLOGY OF AGING SEMINAR

### **“Age-Related Microbial Dysbiosis Alters Innate Immune Function and Increases Risk of Infection”**



#### **Dawn Bowdish, PhD**

Professor of Pathology and Molecular Medicine  
McMaster University  
Hamilton, Ontario Canada

Dawn Bowdish, PhD is Professor of Pathology and Molecular Medicine at McMaster University. Her lab is uncovering how aging and age-associated inflammation affects myeloid cell development, ultimately impacting monocyte and macrophage function. Using a combination of animal models and human samples her lab has is uncovering how aging, and age-associated inflammation affects the development of myeloid cells, which ultimately impairs monocyte and macrophage function. Her work has studied how the microbiota of the upper respiratory tract becomes permissive to *Streptococcus pneumoniae* colonization with age, and she will discuss recent findings from her group demonstrating that alterations in the intestinal microbiome in mice drive age-related chronic inflammation and tissue damage.

**Monday, February 3, 2020**  
**The Anlyan Center**

**12:00 – 1:00 pm**  
**TAC N203**

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Lunch will be provided