



*Seminar #3 - Sponsored by Pfizer*



**J. Kouidy Williams, DVM**

## ***Regenerative Medicine Approaches to Replacement Tissues and Organs***

***Presented by: J. Kouidy Williams, DVM, Professor of Regenerative Medicine at Wake Forest Institute for Regenerative Medicine.***

Dr. J. Kouidy Williams (DVM) is a veterinary scientist and Professor of Regenerative Medicine at the Wake Forest Institute for Regenerative Medicine. His research focuses on the use of translational animal models, including nonhuman primates, to provide data for clinical development of regenerative medicine approaches to the treatment of chronic diseases affecting both men and women in the United States and around the world. These research focus areas include cell therapy and tissue engineering approaches for cardiovascular diseases, diabetes, corneal regeneration and regeneration of the genitourinary system.

A death occurs approximately every 30 seconds as a result of organ failure, primarily because the demand for replacement tissues and organs consistently exceeds their supply. This problem is likely to increase as the number of patients awaiting transplants increases by approximately 20% each year. One of the Joint Commission on the Accreditation of Healthcare Organizations recommendations to meet this impending crisis is to "support the progression of new sciences and technologies that have the potential to narrow the donation gap and decrease the risk of organ rejection". Regenerative Medicine promises to address the organ shortage by engineering replacement cells, tissues and organs using adult, progenitor, or human embryonic stem cells. This presentation will review current and future regenerative medicine approaches to bioengineer replacement tissues and organs in patients. We will review the concepts that underlie tissue engineering and their application to disease processes that account for a great deal of morbidity and mortality in this country.

**Wednesday, April 28, 2010**

**Networking Reception 5:00-6:00pm Presentation 6:00-7:00 PM**  
**Hospital for Special Care, 2150 Corbin Avenue, New Britain, CT 06053**  
**Plenty of free parking. Directions: [http://www.hfsc.org/p\\_driving.asp](http://www.hfsc.org/p_driving.asp)**

**NO CHARGE TO ATTEND, BUT RSVP REQUIRED**

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