



Yale Biology of Aging Research Seminar

February 4, 2013

“Death by Transposition: The enemy within”



Guest Speaker: John Sedivy, PhD, is the Herman C. Bumpus Professor of Biology at Brown University, and is recognized for his research in mammalian cell genetics. He has developed and pioneered methods for gene targeting of somatic cells; in 1995 his laboratory isolated the first viable gene knockout of the Myc oncogene, and in 1997 the first homozygous gene knockout in a normal human cell. Part of his research program continues to investigate cell cycle regulation in cancer. Since 1998, his research has also focused on the biology of human aging at the cellular level; these projects currently investigate how telomere shortening as well as telomere-independent stresses cause cellular senescence. The title of Professor Sedivy's seminar for the Biology of Aging series will be “Death by transposition – the enemy within”, and will discuss how genomes of replicatively senescent cells undergo global epigenetic changes leading to gene silencing and activation of transposable elements.

12:00 -1: 00 PM
TAC-N107 Auditorium

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