

# AGING RESEARCH DAY

Friday, April 30, 2010



## KEYNOTE SPEAKER

**Judith Campisi**

**Buck Institute for Age Research**

**1:00-2:00 PM, Goergen Hall 101**

Dr. Campisi's research aims to understand the molecular and cellular basis of aging. Her laboratory explores the causes and consequences of cellular senescence, and the effects of DNA damage and repair on premature aging and cancer. Dr. Campisi is internationally renowned for her work on cellular aging. Recent discoveries made by the Campisi laboratory include the ability of senescent cells to disrupt normal tissue structure and function and drive cancer progression; the striking difference between human and mouse cells in sensitivity to oxidative stress; the reversal of the senescent state in cultured cells (long thought to be impossible). Dr. Campisi has published over 250 scientific papers and won multiple awards for her research.

## All talks are held in Goergen Hall 101

- 9:00-9:20 **David Goldfarb, Biology** "Employing yeast to discover drugs for inflammatory and age-related diseases"
- 9:20-9:40 **Vera Gorbunova, Biology** "SIRT6 stimulates DNA repair by mono-ADP-ribosylating PARP-1"
- 9:40-10:00 **Andrew Samuelson, Biomedical Genetics** "Gene activities that mediate increased lifespan of *C. elegans* insulin-like signaling mutants"
- 10:00-10:20 **Andrei Seluanov, Biology** "Mechanisms of naked mole-rat longevity"
- 10:20-10:50 Break
- 10:50-11:10 **Ed Puzas, Orthopaedics** "Osteoporosis and fractures are not inevitable consequences of aging: Molecular and cellular therapies are on the horizon"
- 11:10-11:30 **Henri Jasper, Biology** "Stress signaling and aging in *Drosophila*"
- 11:30-11:50 **Steven Pruitt, Roswell Park Cancer Inst.**, "Replication Related Genetic Damage and Aging"
- 12:00-1:00 Luncheon, Goergen Hall atrium
- 1:00-2:00 **Keynote talk: Judith Campisi, Buck Institute for Age Research** "Aging and Cancer: Rival Demons?"

The event is supported by:

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