

KEYNOTE SPEAKER: J. Silvio Gutkind, Ph.D.

Chief of the Oral and Pharyngeal Cancer Branch
National Institute of Dental and Craniofacial Research
National Institutes of Health

*“Oral Cancer and Signaling Networks:
New Mechanism-Based Preventive Strategies and Targeted Therapies”*
Lecture Hall G-390 – Ground Floor Dentistry Building



Dr. J. Silvio Gutkind received his Ph.D. in pharmacy and biochemistry from the University of Buenos Aires, Argentina. He came to the National Institutes of Health in 1986 as an International Fogarty Fellow, National Institute of Mental Health, to study neuropeptide receptor function in individual brain nuclei. He joined the National Cancer Institute in 1988, where he carried out research on the normal and oncogenic function of non-receptor protein-tyrosine kinases. He subsequently moved to the National Institute of Dental and Craniofacial Research, where he established a new program addressing the molecular basis of cancer, with emphasis on basic mechanisms of cell growth control and their dysregulation in

squamous cell carcinogenesis and AIDS-malignancies. In 1998, he was appointed as the Chief of the Oral and Pharyngeal Cancer Branch.

Dr. Gutkind is a national and international leader in the study of basic signal transduction mechanisms in malignant cell growth and in head and neck cancer research. His laboratory has addressed the molecular basis of cancer by studying normal and aberrant functions of molecules involved in the transduction of proliferative signals. His group has made seminal contributions to the field, and helped elucidate some of the basic molecular mechanisms whereby cell surface receptors, including those linked to heterotrimeric G proteins, regulate the nuclear expression of growth promoting genes. His laboratory has also identified novel biochemical routes by which inflammatory mediators promote tumor growth, vessel leakiness, and angiogenesis, which have direct implications for cancer prevention and treatment. In parallel efforts, his research team has pioneered the use of genomic and proteomic approaches to understand head and neck cancer, and has led an international effort aimed at deciphering the nature of the genes expressed in oral malignancies. He has been a member of numerous Editorial Boards of scientific journals, including the Journal of Biological Chemistry, Molecular Biology of the Cell, Oral Oncology, and Biochemistry, and has been the Editor and Co-Editor of three books, “Signaling Networks and Cell Cycle Control”, “Head and Neck Cancer, Emerging Perspectives”, and “Signal Transduction and Human Disease”.

Dr. Gutkind has been the recipient of numerous awards including the National Institutes of Health Merit Award, the National Institute of Dental Research Director’s Exemplary Service Award, the Elliot Osserman Award, and the IADR Oral Medicine and Pathology Research Award. He has organized several national and international symposia, and is a highly sought after speaker, having delivered numerous keynote lectures at the most prestigious national and international meetings and conferences. He has published over 250 scientific manuscripts, and contributed numerous review articles and book chapters addressing both basic molecular mechanisms and oral cancer research.

**School of Dentistry
University of Michigan
Research Day 2009**

Program Schedule

1:00 – 2:00 p.m.

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2:00 – 4:15 p.m.

POSTER PRESENTATIONS & EXHIBITOR SESSION
Michigan League – Ballroom (2nd Floor)

4:30 p.m.

RECEPTION & AWARD CEREMONY
Michigan League – Vandenberg Room (2nd Floor)