

**J. Silvio Gutkind, Ph.D.**  
**Chief, Oral and Pharyngeal Cancer Branch**  
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J. Silvio Gutkind received his Ph.D. in Pharmacy and Biochemistry from the University of Buenos Aires, Argentina. He was trained as a post-doctoral fellow at the National Institute of Mental Health (NIMH) and at the National Cancer Institute (NCI), and joined the NIDCR, NIH, where he is currently the Chief of the Oral and Pharyngeal Cancer Branch. His research team studies the molecular basis of cancer, with emphasis on basic mechanisms of signal transduction and cell growth control, and their dysregulation in oral squamous cell carcinogenesis and AIDS-malignancies. He is recognized for his pioneering research aimed at unraveling the complexity of the intracellular signaling circuitries by which receptor tyrosine kinases and G protein-coupled receptors control the nuclear expression of growth promoting genes, thereby promoting normal and malignant cell proliferation. His recent studies have begun addressing how cancer cells gain the ability to co-opt the potent pro-migratory activity of chemokines and their G protein-linked receptors to metastasize to regional and distant organs, and how tumoral cells promote the formation of new vascular and lymphatic vessels. His laboratory is exploiting their recent advances for the identification of novel mechanism-based anti-cancer treatments. In particular, Dr. Gutkind is currently leading a multi-institutional effort aimed at exploring the biochemical consequences and clinical benefits of treating newly diagnosed head and neck cancer patients with mTOR inhibitors. He has published a large number of original studies and review articles in prestigious journals, and has organized and co-organized multiple national and international meetings and symposia. He has been member of numerous editorial boards of scientific journals and national and international advisory committees, and has supervised and mentored many Graduate Students, Research Fellows, and Tenure-track Investigators, who are now playing leadership roles in multiple institutions in the US and abroad.