



京都大学
KYOTO UNIVERSITY

SEMINAR

May 15th, 2019

14:00 – 15:00 @ Seminar room a5 (a1S02), C3 Bldg.

Turning your academic research into business: a story of one product development and commercialization

Stanislav L. Karsten, PhD

NeuroInDx, Inc.

Torrance, California

www.neuroindx.com

Abstract:

NeuroInDx, Inc. (NDX) was founded in 2006. The company's primary focus is in the development of instrumentation for single cell isolation and complex tissue microdissection for a range of downstream applications including genomics, single cell analysis and cancer diagnostics. In this talk, I will present a brief history of Unipick development, an instrument designed to collect individual cells and subanatomical regions from complex tissues. This concept was originally conceived in UCLA, while I was a faculty member. Step-by-step process of product development including original patent applications, initial and follow up funding acquisition, early market introduction, customer feedback and product improvement steps will be discussed. I will share my experiences in this process and will highlight existing roadblocks towards successful product commercialization.

Brief Biosketch:

Dr. Karsten is a President and CEO of NeuroInDx, Inc., a California based company focused on the development of tools and instrumentation for single cell research and tissue specific analysis. Prior to his position at NeuroInDx, Dr. Karsten was an Assistant Professor of Neurology, David Geffen School of Medicine at UCLA and Chief, Division of Neuroscience at Los Angeles Biomedical Research Institute at Harbor-UCLA Medical Center. Dr. Karsten started to work on methods development and optimization in the group of Prof. Ulf Landegren (Uppsala University, Sweden) in 1993 and received his Ph.D. in Medical Genetics and Pathology from Uppsala University in 2000. Dr. Karsten has 25 years of experience in molecular biology, human genetics and functional genomics. The high impact of his research is evidenced by numerous grants received from NIH and private organizations. The results of Dr. Karsten's research work were published in such high impact journals as Nature Neuroscience, Neuron, Proceedings of the National Academy of Science, and Human Molecular Genetics.

Contact: Ryuji Yokokawa (ryuji@me.kyoto-u.ac.jp), **Hosted by:** Dept. of Micro Engineering, Kyoto University