

Anthony T. Yeung, Ph.D.



ABRF functions:

- Executive Board Member, President-2011
- [Nucleic Acid Research Group](#) - Helped make [oligonucleotides](#) and real-time PCR dual-labeled [probes](#) good and affordable
- Helped form [Job-openings](#), [Who's Who](#), [Academic Sponsors](#), [ARG](#), [ACC](#), and [CAN-CC](#)

Core Facility Experience:

Director of [Fannie Rippel Biochemistry and Biotechnology Facility](#) since 1985 serving 65 labs.

- Proteomics and Mass Spectrometry
- Biochemistry and chromatography
- Real-time PCR
- Automated DNA Synthesis

Basic Research:

[Fox Chase Cancer Center](#), tenured Associate Professor. 69 publications.

- Colon cancer Found that heterozygous mutation of tumor suppressor gene already [changed](#) the proteome. Made the [first](#) searchable high resolution 2D gel [proteome](#) of colon crypt cells.
- Pancreatic cancer Found rational [biomarkers in pancreatic cyst fluids](#).
- COPD proteomics Chronic Pulmonary Obstructive Disease.
- Lung Cancer Radiation-induced abscopal proteomics of cell secretion.
- Nuclease enzymology Discovered the [CEL I](#) mismatch endonuclease for [mutation detection](#) and for [Tilling](#) reversed genetics. Demonstrated [UvrABC](#) endonuclease complex
- Extracellular matrix The connection between stromal-epithelial cell interactions.

I believe in understanding biology and apply technology in terms as basic as possible. Projects begin with good genetics, good biology, good chemistry, good clinical medicine and good people, engaging the core facilities whenever possible, to have the best change of success

For my students, I like to quote Albert Szent-Györgyi, Nobel Laureate 1937; the challenge is:

"To see what all man have seen, and to think what no man has thought".

On deliverables, I quote [Dean Kamen](#), "**Leadership is about doing the right thing; management is about doing things right.**" I strive to do for ABRF the right things, to help its members, to strengthen the society, and to benefit the scientific community.