

Adams Award in Bioanalytical Chemistry

The first recipient of the Ralph N. Adams Award in Bioanalytical Chemistry is Professor Edward S. Yeung, who holds the Robert Allen Wright Chair Professorship at Iowa State University. He is an eminently qualified scientist who admirably exemplifies Adams' entrepreneurial spirit in research and teaching.

The number and quality of the nominees were exceptionally strong, indicating both the prestige of the award and the vitality of the field. The inaugural award symposium will be held at the forthcoming Pittsburgh Conference in Orlando, Florida, February 27–March 4, 2005. In addition to an address by Prof. Yeung, the following individuals have agreed to participate in the symposium: Alan Marshall (Florida State University), Jon Sweedler (University of Illinois), Sunney Xie (Harvard University), and Mark Wightman (UNC Chapel Hill).

An account has been established with Pittcon where tax-deductible contributions can be received and managed in a permanent endowment fund to support the award. Contributions, payable to the Adams Award Fund, may be sent at any time to:

**Adams Award Fund
Pittsburgh Conference
300 Penn Center Boulevard, Suite 332
Pittsburgh, PA 15235**

BASi Highlights, 1974 to 2004

- **1974** The company is founded as BAS, or Bioanalytical Systems, in East Lansing, Michigan, as a producer of electrochemical detectors for liquid chromatography.
- **1975** BAS moves to Beau Jardin apartments in West Lafayette, Indiana. On July 17, 1975 Bioanalytical Systems, Inc. is formally incorporated in Indiana.
- **1976** BAS moves to Pete Kissinger's garage and house.
- **1977** Complete liquid chromatography products introduced.
- **1979** In January, BAS moves to the

Purdue Research Park – 1205 Kent Avenue.

- **1981** Products for electrochemistry (CV-27 Voltammograph) introduced.
- **1982** Expansion at 1205 building doubles space.
- **1983** BAS moves into 2701 Kent Avenue. 1205 building retained as Technical Center. First microprocessor-based electrochemical instrument introduced.
- **1984** BAS Analytics is born at 1205 Kent.
- **1985** Products for microdialysis introduced and shipped. First product catalog published.
- **1986** BAS 200 and PM-80 Pumping System are introduced. BAS is the first to offer microelectrodes commercially.
- **1991** *In vivo* ultrafiltration probes introduced. IMI Corporation of State College, Pennsylvania is acquired, giving BAS the basis of its ChromGraph software.
- **1993** Bee syringe pumps and DigiSim software introduced.
- **1996** Ratur cage and Honeycomb refrigerated microfraction collector introduced. Technical is acquired in the UK.
- **1997** BAS becomes a public corporation in November; stock listed on NASDAQ. Vetronics is acquired.
- **1998** BAS acquired Clinical Innovations, Ltd. – now Warwick, UK office.
- **1999** TPS (Toxicology Pathology Services) – now Evansville lab – is purchased. Building purchased from Great Lakes Chemical in West Lafayette, and construction is begun on an addition to connect it to 2701 Kent Avenue, making one large facility.
- **2000** Culex® Automated Blood Sampler introduced for commercial use. Epsilon system is introduced.
- **2001** PM-91 and PM-92 pumping systems are introduced.
- **2002** Company acquired LC Resources, now known as BASi Northwest Labs, in McMinnville, Oregon.
- **2003** BASi purchased Pharmakinetics in Baltimore,

adding a clinical research unit to the company's services. The Empis automated dosing system is introduced commercially. Facilities expansions completed at Evansville labs.

- **2004** New vivarium for *in vivo* contract research opens in West Lafayette in May.

Tienta Sciences Receives Outstanding Presentation Award from the Federation of Analytical Chemistry and Spectroscopy Societies

At the recent 2004 FACSS (Federation of Analytical Chemistry and Spectroscopy Societies) Conference held in Portland Oregon, Tienta Sciences received an Outstanding Presentation Award for "Raman Detection of Protein, Peptide and Amino Acid Phosphorylation." The 31st annual conference of the FACSS, held October 7-13, had more than 3,000 attendees from the fields of academia, pharmaceutical and biotechnology.

Presented by Dr. Yong Xie of Purdue University, the Tienta Sciences-supported presentation reported on the use of Raman spectroscopy to detect the phosphorylation of proteins, peptides and amino acids as well as deprotonation of the phosphate group under basic conditions. More specifically, the Drop Coating Deposition Raman (DCDR) method was used for detecting tyrosine pH of four different Src peptides, the sensing of different sites of phosphorylation on a same peptide, pH dependent peptide phosphorylation, detection and preliminary detection in protein level with the aid of partial least square (PLS) analysis.

Dr. Dor Ben-Amotz, Professor of Chemistry at Purdue University, and his research group have created new optical technologies with applications ranging from plastic recycling and combinatorial chemistry, to biomedical diagnostics and cancer imaging. New hyper-spectral imaging instruments developed by the Ben-Amotz group include the Near-IR Raman Imaging Microscope (NIRM) and Portable

Raman Imaging Microscope (PRIM).

Based on the new technology developed by the Ben-Amotz research group, Tienta Sciences has commercialized SpectRIM™ substrates that monitor and assess changes in proteins in a manner that provides greater sensitivity and significant cost savings over current technology.

Dave Kolasinski, Vice President of Sales and Marketing, Tienta Sciences, said, "We are very appreciative of the recognition from the Federation of Analytical Chemistry and Spectroscopy Societies. The recognition of Dr. Ben-Amotz and Dr. Xie for the new and innovative technology incorporated in the SpectRIM substrate is additional validation of our efforts to provide cutting-edge tools for the biotech and pharma industries."

About Tienta Sciences: Tienta Sciences is headquartered in the Indiana State Certified Technology Park at the Indiana University Emerging Technologies Center in Indianapolis. Tienta Sciences develops products to facilitate Raman, infrared and mass-

spectroscopy analysis to monitor and assess changes in proteins in a manner that provides greater sensitivity and significant cost savings over current technology. Tienta Sciences is a start-up company of Inproteo LLC, a company established by Eli Lilly and Company, Indiana University and Purdue University to commercialize cutting-edge research in proteomic tools and analytical methods.

Tienta Sciences is currently working on additional products for the biotechnology and pharmaceutical industries. For more information, visit www.tientasciences.com or contact David Kolasinski, Tienta Sciences Vice President of Sales and Marketing, 317-278-6108, or dkolasi@attglobal.net.

Bioelectrochemistry-2005 in Coimbra, Portugal June 19-24

This is a joint meeting of two International Societies - XVIII International Symposium on Bioelectrochemistry and Bioenergetics of the Bioelectrochemical Society (BES) and 3rd Spring Meeting: Bioelectro-

chemistry of the International Society of Electrochemistry (ISE). Bioelectrochemistry includes a broad variety of scholarly approaches leading to a better understanding of all living things at the macroscopic, microscopic/single-cell and nanoscopic/molecular level, with beneficial applications in medicine, agriculture, industry, and ecology. The conference features all aspects of the highly interdisciplinary areas of bioelectrochemistry and bioenergetics, with contributions from the disciplines of biophysics, biotechnology and medical biophysics. It hopes to bring together scientists working at the frontiers of bioelectrochemistry and electrophysiological research. (*Ana Maria Oliveira Brett, Bioelectrochemistry-2005 Chair*)