

Atis Chakrabarti earned a Ph.D. from North Bengal University, on the design and synthesis of anti-proliferative probes in 1994. His post-doctoral research at the Indian Institute of Science focused on the molecular biology and biophysical characterization of bacterial thioredoxin. In 2000, he joined Thomas Jefferson Medical College researching diagnostic and therapeutic probes for PET imaging while utilizing different types of chromatography for the purification of the probes. Atis joined Tosoh Bioscience during July 2008 as a member of the Technical Service team supporting different modes of chromatographic research. Since October 2011, he became the manager of Technical Service for analytical and process chromatography. He leads a talented group of technical service specialists. In addition to developing analytical chromatography applications on TSKgel columns and TOYOPEARL and TSKgel process media, his technical service group supports customers working on the isolation and purification of biopolymers using all modes of chromatography. He was an adjunct faculty member in the department of chemistry at Scranton University, PA and Camden County College, NJ teaching organic chemistry and toxicology. Currently he is working as adjunct faculty in the department of chemistry at Widener University.

He published a number of articles peer review journals, has written few peer reviewed chapters in a number of books, acted as reviewer in a number of journals such as Journal of Chromatography A, Biochemistry, Bioconjugate chemistry, Journal of the American Chemical Society, Molecular Cell Biology, Journal of Organic Chemistry, Organic Letters etc. He worked with NIH for a number of grants proposals and one grant proposal for National Science Foundation, USA. He also acted as external thesis examiners.

#### **PUBLICATIONS: ATIS CHAKRABARTI – Last updated 15 May 2020**



- Purification of *Lumbricusterrestris* Erythrocrurin (LtEc) with Anion Exchange Chromatography; Jacob Elmer, Brandon Timm, Osheizaabdulmalik, ATIS CHAKRABARTI – accepted in **Journal of Chromatography B** on 14<sup>th</sup> May **2020**
- Peer reviewed chapter in the book **Antibody Engineering**, Intech Open; Published: February 21<sup>st</sup>, **2018**: Separation of Monoclonal Antibodies by Analytical Size Exclusion Chromatography By Atis Chakrabarti
- **Biochem Soc Trans.** **2007** Feb; 35 (Pt 1):72-6. Tian X, Chakrabarti A, Amirkhanov N, Aruva MR, Zhang Receptor-mediated internalization of chelator-PNA-peptide hybridization probes for radioimaging or magnetic resonance imaging of oncogene mRNAs in tumours;
- **Cancer Biol Ther.** **2007** Mar 26; 6(6). Radiohybridization PET Imaging of KRAS G12D mRNA expression in human pancreas cancer xenografts with [(64)Cu]DO3A-Peptide nucleic acid-peptide nanoparticles; Atis Chakrabarti, Kaijun Zhang, M R Aruva, Wickstrom E.
- **ANNALS: The New York Academy of Sciences; 2006** External Imaging of CCND1, MYC, and KRAS Oncogene mRNAs with Tumor-Targeted Radionuclide-PNA-Peptide Chimeras; XiaobingTian Atis Chakrabarti Nariman V. Amirkhanov Mohan R. AruvaKaijun Zhang Bobby Mathew Christopher CardiWenyi Qin Edward R. Sauter Mathew L. Thakur Eric Wickstrom
- **Journal of Labelled compounds and Radio pharmaceuticals** **2005**, 48 (1) S229. i. Ann. N.Y. Acad. Sci. 2005, 1059, 106–144.
- **Nucleotides Nucleic Acids.** **2005**; 24 (5-7): 409-14. PMID: 16247960
- **Indian Journal of Nuclear Medicine**, **2004**, 19 (3), 98-114. The Role of Radiolabeled Peptide-Nucleic Acid Chimeras and Peptides in Imaging Oncogene Expression
- **Methods in Molecular Medicine** 106: **Antisense Therapeutics**, (**2004**) 2nd ed., Humana Press, Totowa NJ, Chap. 8, 135-192
- **Protein Science.** **1999** Nov; 8(11): 2455-9; Thermodynamics of replacing an alpha-helical Pro residue in the P40S mutant of *Escherichia coli* thioredoxin.
- Biocidal organotin compounds: Part 1. Preparation and characterization of triorganotin(IV) 4-pyridyl and 2-pyrimidyl-thioacetates and the crystal structure of triphenyltin(2-pyrimidylthioacetate); A. Chakrabarti Sk. Kamruddin T. K. Chattopadhyaya A. Roy B. N. Chakraborty K. C. Molloy E. R. T. Tiekink, **Applied Organometallic Chemistry**; **1995** vol 9 (4) pp357-364.
- Synthesis, Characterization and Biocidal properties of organotin(IV) alkenyl compounds, A. Chakrabarti Sk. Kamruddin T. K. Chattopadhyaya A. **Indian Journal of Chemistry** **1995**, 35A:601-603.

- Unusual reaction of the salts of dithiocarboxylic acids and carbazic acid with organotin(IV) chlorides. Roy, A., Chakrabarti, A., Chattopadhyaya, T. K., Basu, T. S. and Cardin, C. J. (1993) **Indian Journal of Chemistry** Section A, 32A (3). pp. 259-261.
- **Journal of the Institute of Chemists** (India) 1993, 65:69.

