

ARINDAM BOSE

Vice-President, External Affairs & Biosimilars Strategy
 Biotherapeutics Pharmaceutical Sciences - Pfizer Worldwide R&D

Dr. Bose's 34 year career in the biopharmaceutical industry includes technical and management assignments of increasing responsibility in process development, clinical supply/commercial manufacturing, corporate biotechnology strategy and lobbying for science-based regulations for biologics and vaccines

Education

Ph. D.	Chemical Engineering, 1980	Purdue University
M.S.	Chemical Engineering, 1976	The Univ. of Michigan, Ann Arbor
B. Tech.	Chemical Engineering, 1975	Indian Institute of Technology, Kanpur

Significant Professional Contributions at Pfizer

Technical Leader of team responsible for researching, developing and executing a strategy for Pfizer's entry into the emerging field of biosimilar medicines. That effort has already resulted in the 5 successful INDs and 4 compound are poised to be in Phase 3 by end 2014

Member of Bioprocess Leadership Team (BPLT) – the most senior oversight team for biotechnology products

Identified, established and nurtured strategic alliances with key partners such as Lonza Biologics in the UK and Boehringer-Ingelheim in Germany which speeded progression of many late-stage biotechnology products

Played a pivotal role in the formation of Pfizer's in-house biologics development groups in Groton, CT and in Sittingbourne, UK starting in 1998 which were subsequently consolidated into a large Biologics "Center of Excellence" in St. Louis following the Pfizer-Pharmacia merger in 2003

Led team responsible for the design, construction, start-up and operation of a \$23 million fermentation pilot plant and laboratory building in Groton (1988-1991)

Scaled-up a high-density recombinant E. coli process for the intra-cellular enzyme chymosin (food additive) – the first recombinant DNA food additive to be approved by FDA

Other Professional Accomplishments

As Chair, of the Biologics and Biotechnology (B&B) Leadership Committee of the Pharmaceutical Research and Manufacturers of America (PhRMA), influenced elected officials and their staff on issues such FDA reform and biosimilars

Secretary-Treasurer of American Chemical Society's (ACS) Biochemical Technology Division (BIOT) for 10 years (1986-1995) during a period of unprecedented six-fold membership growth. Currently serving as a ACS Councilor

Member of core team that conceptualized and executed the formation of the Society for Biological Engineering (SBE) as a unit of the American Institute of Chemical Engineers (AIChE)

Honors/Awards

Fellow of the American Chemical Society (ACS) and American Institute of Chemical Engineers (AIChE)

Outstanding Chemical Engineer Award, Purdue University, 2005

Pfizer Central Research (UK) Team Achievement Award, 2000

Pfizer Central Research (USA) Individual Achievement Awards, 1992 and 2000

James Van Lanen Distinguished Service Award, American Chemical Society, 1992