Deepak Vashishth

Director, Center for Biotechnology & Interdisciplinary Studies & Professor, Biomedical Engineering at Rensselaer Polytechnic Institute
Troy, NY, US

Working to redefine the role of a top tier research university

Biography

Director of the Rensselaer Polytechnic Institute Center for Biotechnology & Interdisciplinary Studies (CBIS), conducting breakthrough research on bones, Deepak Vashishth, PhD, is working to redefine the role of a top tier research university: one that is engaged in public and private partnerships, involved in interdisciplinary research, and providing quality education, all to drive entrepreneurial, sustainable, socially responsible scientific discovery and technological innovation. Administrative leadership: Through his work as a University Center Director, previously as a School of Engineering Department head, and in professional societies he has successfully developed partnerships, Programs, and platforms, to drive translational scientific research across disciplines, sectors,and geographic boundaries. As Director of CBIS he oversees 70 resident and non-resident faculty (from each of the five Rensselaer Polytechnic Institute schools); engages with global partners in the public, private, and academic sectors; and fosters innovative graduate and undergraduate research and education initiatives. In his first two years as CBIS Director he has: envisioned and facilitated the creation of two transformative research centers (Bioimaging Center and Center for Translational Research in Medicine); led the development of an industry partners program to enhance technology transfer and commercialization; and broadened the scope of interdisciplinary research by combining biotechnology with architecture, humanities, and management. As Department Head of Biomedical Engineering (BME) in the School of Engineering at Rensselaer, in just 3 years he dramatically grew and strengthened the department: increased tenured faculty tenfold (1 to 10); added a senior endowed chair to its rank; and it became home to 7 NSF career awardees and recipient of more than 10 NIH RO1 awards (from 2 in 2009). As a committee member of the Orthopaedic Research Society, he developed and facilitated a ?Symposium in Translational Medicine? designed to accelerate the transition of discoveries from lab bench to bedside by bridging the gap between clinical, basic science & engineering, government agencies (FDA) and industry.

Areas of Expertise

Extracellular Matrix Science and Engineering, Osteocalcin, Glycation, Tissue Engineering, Bone, Osteoporosis, Regenerative Medicine, Diabetes

Affiliations

Orthopaedic Research Society : Committee Member, National Institutes of Health : Member, Journal of the Mechanical Behavior of Biomedical Materials : Board Member, Biomedical Engineering Society : Member, American Society of Bone and Mineral Research : Member, Orthopaedic Research Society : Member

Education

University of London
Ph.D. Biomedical Materials

West Virginia University
M.S. Mechanical Engineering

Malviya National Institute of Technology (MNIT)
B.S. Mechanical Engineering
