

Deepak Vashishth, PhD

Co-Director, Rensselaer Polytechnic Institute -Icahn School of Medicine Center for Engineering and Precision Medicine (CEPM)
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Professor Vashishth is a member of the RPI Leadership Team and co-directs the Joint RPI-Mount Sinai Center for Engineering and Precision Medicine (CEPM) that promotes interdisciplinary research and education, entrepreneurship, and translation, at the interface of science, engineering, and medicine. As Co-Director of the CEPM, and previously as Director of the Center for Biotechnology and Interdisciplinary Studies (CBIS) at RPI, he expanded partnerships with medical schools and biopharmaceuticals to address healthcare challenges in Alzheimer's, Cancer, Diabetes, Osteoporosis, Precision and Regenerative Medicine, and COVID-19. His work has been cited in the media as "Making Old Bones New," "New Hope for Osteoporosis Patients," and "Proving a Link between Alzheimer's, Diabetes and Osteoporosis." His research group, in collaboration with others, has identified new structural roles for bone proteins and developed biomimetic strategies for tissue-engineering scaffolds and advanced organoids. He is currently leading a Women's Health Initiative focused on reducing the risk of chronic diseases by improving management of the menopausal transition. He directs the NIGMS predoctoral T32 program in biomolecular science and engineering, with a strong emphasis on technology transfer and entrepreneurship.

Dr. Vashishth has mentored over 40 PhD students, postdoctoral fellows, and residents, many of whom have established successful careers in both academia and industry. Dr. Vashishth is a recipient of various awards, including the ASBMR Adele Boskey Award, ORS Farshid Guilak Outstanding Achievement in Mentoring Award, the MNIT's Professor P. Sirinivasan Memorial Award, the RPI's William H. Wiley 1866 Distinguished Faculty Award, the Class of 1951 Outstanding Teaching Award, etc.

Professor Vashishth is a fellow of AAAS, AIMBE, ASBMR, BMES, and ORS. He served as the ASBMR US Bone and Joint Ambassador, participating in Capitol Hill advocacy to promote bone health and increase federal funding for science and Public Health research.