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Bionote

Dr. Herr serves as professor and Nanoscience department chair at the University of North Carolina's Joint School of Nanoscience and Engineering (JSNN). He leads a highly collaborative and transdisciplinary team that explores and addresses emerging and convergent nanoscale research opportunities, with a focus on functional nanomaterials, nanobioelectronics, computational nanotechnology, nanobiology/medicine, nanometrology, functional self-assembled nanomaterials and biomimetic systems. Additionally, he serves as founding Director of North Carolina's Nanomanufacturing Innovation Consortium. Dr. Herr also is passionate about communicating the joy of science and STEAM opportunities to the community and to the next generations of scientists, engineers, and other creative people. His current research interests include useful sustainable and nano-enhanced agriculture, extreme self-assembled and biomimetic nanosystems, nanobioelectronics, composite nanomaterials, and nanoenergy.