

CARNEGIE MELLON UNIVERSITY

BME 2024 SPRING SEMINAR SERIES

Perspectives from an Interdisciplinary Career in Vascular Bioengineering and Taking on a New Research Direction (a.k.a., Teaching an Old Dog New Tricks)



PRESENTED BY

David Vorp, Ph.D.

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Research & Facilities
Swanson School of Engineering
John A. Swanson Professor
Department of Bioengineering
University of Pittsburgh

SCHEDULE

Doherty Hall (DH) 2315

**Thursday,
April 18, 2024
(11:00-12:00PM)**

The broad scope of Dr. Vorp's Vascular Bioengineering Laboratory includes the biomechanics, "mechanopathobiology", and tissue engineering and regenerative medicine of the vasculature (and other tubular tissues). This presentation will focus on a perspective of the work performed by the lab over the years, including research that has transitioned to translational efforts. Topics will include the development of tissue engineered vascular grafts (TEVGs), the biomechanics and regenerative repair of abdominal aortic aneurysm (AAA), and will touch on a brand-new direction of research: endometriosis. This seminar will give an overview of the work done in these areas to date, as well as discuss practical barriers to translation of the technology to the clinic.

