

CURRICULUM VITAE

Eugene A. Bernstein, Ph.D., Lic. Ac.

Northeastern University, Department of Pharmaceutical Sciences
Teaching Professor
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Education:

- 1966-1971 M.S. in Biophysics. Alma-Ata State University, Moscow State University.
Department of Biology (Russia)
- 1974 Ph.D. in Physiology. Ivanovo Medical Institute (Russia)
- 1996-1999 M.Ac. (Acupuncture), Licensed Acupuncturist. New England School of
Acupuncture, Watertown, MA

Teaching experience:

- 2023-Present Teaching Professor: Physiology, Anatomy, Pharmacology, Alternative Medicine,
Cellular Physiology, and Nanotoxicity
- 2016-2022 Associate Teaching Professor: Physiology, Anatomy, Physics of Anesthesia,
Pharmacology, Alternative Medicine, Cellular Physiology,
and Nanotoxicity
- 1994 - 2016 Full-Time Lecturer: Physiology, Anatomy, Physics of Anesthesia,
Advanced Cardiopulmonary Physiology, Pharmacology,
Alternative Medicine, and Cellular Physiology
- 1988-2012 Adjunct Assistant Professor: Pathophysiology. Massachusetts College of
Pharmacy and Allied Health Science, Boston, MA

Typical course load:

Fall:

	Course Credit	Course Fraction
Human Physiology I	3	100
Human Anatomy Laboratory	1	100
Nanotoxicity	3	100

Spring:

Human Physiology II	3	100
Physiology Laboratory-Seminar	1	100
Cellular Physiology (Graduate)	2	100
Pharmacology II (Graduate)	3	25

Summer:

Pharm. Med. Chemistry (Graduate)	5	20
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Teaching Awards: Northeastern University. Teaching Excellence Award 2010
Northeastern University. Teaching Excellence Award 2017
Northeastern University. Teaching Excellence Award 2022

Research experience:

- 2007-2009 Consultant: Gwathmey Inc. Cambridge, MA. Developed Langendorff model to study the comparative effects of pharmacological agents upon the isolated myocardium. Provided training, established protocols, and directed studies of novel agents during both normoxia and ischemia.
- 1999-2009 Northeastern University. Developed Langendorff isolated heart model to study the effects of Chinese herbal preparations upon myocardium during ischemia and reperfusion. Provided training and established protocols to study the effects of drugs delivered with liposomes.
- 1990-1995 Postdoctoral Research Fellow. Boston University School of Medicine, Cardiac Muscle Research Laboratory. Developed Langendorff model to study the effects of beta-adrenergic agonists and calcium channel blockers in non-infarcted area of myocardium.
- 1989-1990 Postdoctoral Research Associate. New England Medical Center, Department of Surgery. Conducted studies with the isolated heart-lung model.
- 1987-1989 Boston: Research Assistant. Beth Israel Hospital. Pulmonary Department. Physiology and pharmacology of bronchospasm.
- 1979-1987 Moscow: Independent analytical work in biology. Prepared critical reviews in physiology of circulation, respiration, and microcirculation.
- 1977-1979 Moscow: Staff Scientist. Sklifosovsky Research Institute of Emergency Medicine. Department of Pathophysiology. Microcirculation research.
- 1975-1977 Moscow: Staff Scientist. Moscow Scientific Clinical Institute. Department of Surgery. Investigation of regional pulmonary ventilation-perfusion abnormalities in cardiac patients.
- 1972-1975 Moscow: Research Assistant. Scientific Institute of Biosynthesis.

Membership: International Society of Heart Research (ISHR)
National Certification Commission for Acupuncture and Oriental Medicine (NCCAOM)

