

VETERINARY & ANIMAL SCIENCES

POINTS OF PRIDE

- Sandra Petersen won the Presidential Award for Excellence in Science, Mathematics, and Engineering Mentoring at the White House; she also received an NIH grant to lead a pilot mentoring network for minority faculty women in STEM subjects.
- Jesse Mager was awarded a \$4 million NIH grant to identify genes in knockout mice.

- Joseph Jerry received an \$3.5 million grant from the NIEHS to study breast cancer risk.
- Lisa Minter is developing a new therapy for rheumatoid arthritis with the Institute for Applied Life Sciences (IALS) in collaboration with Anika Therapeutics, Inc.
- Ranked 131st best school worldwide by *U.S. News & World Report*.

EDUCATION

- Ranked top undergraduate program in *Best Colleges for Future Veterinarians* by IvyWise.
- 13 from the class of 2015 attend veterinary medical school; 1 attends medical school; 5 attend graduate school.
- 3 sophomores selected for early acceptance to Cummings School of Veterinary Medicine at Tufts.
- Undergraduates participate in intercollegiate competitions: the Dairy Challenge, the Northeast Student Affiliate of the American Dairy Science Association, and the Eastern States Exposition.

STUDENT ACHIEVEMENTS

- Megan Bernard '13 awarded Kiko Goat Association Scholarship from the Cornell University College of Veterinary Medicine.
- Sandra Roy '09, '18 PhD awarded Manning Inventor Fellowship and a Eugene M. Isenberg Award.
- Jesse Angelo '10 PhD '20 won the Frances and Chou Chu Hong, DVM, PhD Graduate Fellowship.

DEGREES

- BS - animal science
- BS - pre-veterinary science
- MS - animal biotechnology and biomedical sciences
- PhD - animal biotechnology and biomedical sciences

STUDENT ORGANIZATIONS

- Pre-Veterinary and Animal Sciences Club
- Animal Science Peer Mentor Group
- NESAs - Northeast Student Affiliate of the American Dairy Science Association
- Bay State Livestock Classic

- Siyeon Rhee '09 MS, '15 PhD won the Korea Brain Research Institute's New England Biosciences Society's Outstanding Student Award.
- Katie Wilson '16 won the UMass Alumni Association's William F. Field Alumni Scholarship.
- Eight undergraduates inducted into the national Gamma Sigma Delta Honor Society.

BY THE NUMBERS FY15

Tenure-track faculty	15
Extension faculty	1
Research faculty	5
Lecturers	5
Postdoctoral fellows	7
Undergraduate majors	385
Graduate students	22
Research awards	\$9M

RESEARCH AREAS

- Autoimmune diseases
- Breast cancer
- Developmental biology
- Environmental toxicology
- Fertility research
- Infection and immunity
- Lymphoid development
- Reproductive biology
- Stem cell biology
- Veterinary immunopathology

RESEARCH FACILITIES

- Biosafety Level 3 Facility
- Equine Reproductive Services
- Equine & Livestock Research & Education Center
- Flow Cytometry Core Lab
- Massachusetts Pesticides Lab
- Medaka Breeding Lab
- Microscopy and Imaging Lab
- Stem Cell Lab
- UMass Amherst South Deerfield farm
- Xenopus Breeding Lab