2013 Department at a Glance

Points of Pride

Cynthia Baldwin is the recipient of the 2012 Award for Outstanding Accomplishments in Research and Creative Activity.

Sandra Petersen is the Executive Director of the new STEM Diversity Institute.

Joseph Jerry is the Science Director at Pioneer Valley Life Sciences Institute and Co-Director of the Rays of Hope Center for Breast Cancer Research.

Barbara Osborne and Dominique Alfandari co-direct the Cellular and Molecular Biology Program.

Ana Maria Salicioni, Jake Mayfield, Hélène Cousin awarded Faculty Research Grants.

Alan Schneyer awarded a grant from the Juvenile Diabetes Research Foundation. Sue Leschine and Kathleen Arcaro awarded a Flex Grant for Teaching/Faculty Development.

Kathleen Arcaro awarded a grant by the Avon Foundation for Women.

Dominique Alfandari awarded a NIDCR grant.

Jesse Mager has been awarded tenure.

John Balise has been selected for the 2013 CNS Outstanding Achievement Award for Academic Advising.


Editorial boards: Journals of: Andrology; Biology of Reproduction; Cell Death & Differentiation; Cellular Physiology; Endocrinology; Mammary Gland Biology and Neoplasia; Molecular Human Reproduction; Molecular Reproduction and Development; Veterinary Immunology and Immunopathology.

Education

Two majors offered to undergraduates: Animal Science and Pre-Veterinary.

Undergraduate majors have 50+ course options.

Undergraduate student/faculty ratio is 15:1.

Undergraduates participate in intercollegiate competitions: Dairy Challenge, and the Northeast Student Affiliate Division of the American Dairy Science Assoc.

41 undergraduate students are involved in lab research.

Student Achievements

Mary Kate Cone, BS 2014 candidate and Gretchen McLinden BS 2015 candidate have been awarded Commonwealth Honors College grants.

Amy Halpern, BS 2012, was awarded the Howard Hughes Medical Institute Summer Research Internship.

Siyeon Rhee, Ph.D. candidate received a travel award to attend the Society of Developmental Biologists Meeting in Toronto, Canada.

Erica Pawlak, Ph.D. candidate was awarded an American Quarter Horse Association Post-Doctoral Fellowship for 2012-2013.

Genevieve Abbrouzze, Ph.D. candidate was awarded a Pre-doctoral NIH fellowship NRSA from the NIDCR and received travel awards to attend the International Xenopus meeting in France and to work in Germany.

Le Wang, Ph.D. 2012 received the UMass graduate ABBs Snoeyenbos Award and obtained a Post-Doctoral Position at NIH/National Institute of Arthritis and Musculoskeletal and Skin Diseases.

Catherine McCusker, Ph.D. 2009 was awarded post-doctoral fellowship from the American Cancer Society for her work on regeneration.

Manabu Kurokawa, Ph.D. 2004 is an Assistant Professor of Pharmacology & Toxicology at Dartmouth College.

By the Numbers FY12

<table>
<thead>
<tr>
<th>Category</th>
<th>Quantity</th>
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<tbody>
<tr>
<td>Tenure-Track Faculty</td>
<td>16</td>
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<tr>
<td>Extension Faculty</td>
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<tr>
<td>Research Faculty</td>
<td>3.5</td>
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<tr>
<td>Lecturers</td>
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<td>Postdoctoral Fellows</td>
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<td>Graduate Students</td>
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<tr>
<td>Undergraduate Majors</td>
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<tr>
<td>Research Awards</td>
<td>$6,876,626</td>
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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

• Stem Cell Lab
• Fluorimetry Lab
• Medaka Breeding Lab
• Xenopus Breeding Lab
• Biosafety Level 3 Facility
• Flow Cytometry Core Lab
• Microscopy and Imaging Lab
• Massachusetts Pesticides Lab

Undergraduate Facilities

• Equine Reproductive Facility
• Hadley Farm Livestock Center
• Deerfield Animal Research Center

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