FACULTY POINTS OF PRIDE

- Derek R. Lovley, Distinguished Professor of Microbiology, was named a fellow of the American Association for the Advance of Science.
- Kristen DeAngelis received a three-year, $500,000 Department of Energy grant to further her study of the impact of a warmer climate on microbes and their production of greenhouse gases.
- Stephen Rich collaborated with colleagues from UMass Medical School and Worcester Polytechnic Institute to design a new whole-plant based strategy for treating malaria, with findings reported in the journal *PLoS ONE*.
- Steve Sandler received a four-year National Institutes of Health grant for his research project “Structure and Function of the Bacterial Primosome.”

EDUCATION

- A fifth-year master’s degree option is available to microbiology majors.
- In Fall 2013 launched the Applied Molecular Biotechnology Program, which placed 100 percent of its first class of eight students in paid internships or laboratory positions at biotech firms.
- Comprehensive graduate program prepares students for successful careers in academia, industry, and government.
- PhD students have been awarded national research fellowships from organizations including the American Society for Microbiology, the Ford Foundation, and NASA.

DEGREES

- BA/BS
- Five-year BS/MS
- MS/One-year MS in applied molecular biotechnology
- PhD
- Biotechnology Certificate Program

LEADERSHIP & OUTREACH

- The Laboratory of Medical Zoology provides tick testing services to individuals, counties, and states from across the country and internationally.
- Faculty members serve on grant review panels, review publications for leading scientific journals, and are members of professional organizations.
- The department participates in the Northeast Alliance for Graduate Education and the Professoriate (NEAGAP), an NSF-funded project to promote graduate education to underrepresented groups.

STUDENT HONORS

- Samantha Giffen ’16, who also participated in a National Science Foundation program in the Limpopo Province of South Africa this past summer, named Goldwater Scholar.
- Luiza Korobkova ’15 awarded Boston Area Chapter of the International Society for Pharmaceutical Engineering’s Joel Goldenberg Memorial Scholarship.
- PhD student Gina Chaput ’19G won UMass Graduate School’s Edith Robinson Scholarship.
- Lucy Stewart ‘17G won Microbiology’s Curt Thorne Carry On Award.
- PhD candidate Lucy Stewart ‘17G won Outstanding Student Paper Award in Biogeosciences at the American Geophysical Union fall meeting.

BY THE NUMBERS FY15

- Tenure-track faculty: 16
- Lecturers: 5
- Postdoctoral fellows: 6
- Undergraduate majors: 193
- Graduate students: 40
- Research awards: $2.26M

RESEARCH AREAS

- Bio-fuels and bio-remediation
- Environmental microbiology
- Genetics
- Genomics and systems biology
- Immunology
- Medical microbiology
- Microbial ecology
- Microbial physiology
- Molecular and cellular biology
- Parasitology
- Pathogenic bacteriology