Z P v Searching Excellence Awalmomination Department of Microbiologyiversity of Georgia



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Student Success

interaction with faculty, varied research opportunities, and excellent academic and career advising.

The faculty in the Department of Microbiology also have a history of earning teaching awards. such as the Southeastern Branch American Society for Microbiology Green Award (5 awards to

Narrative Statement

Purpose and Philosophy

The Microbiology undergraduate program is designed to train and equip students for leadership roles in their careers through their ability to critically analyze scientific evidence, deploy basic microbiological procedures, and communicate proofs and evidence effectively. The Microbiology Department will strive to create authentic research and leadership experiences, display effective teaching practices, and offer outstanding mentorship for undergraduates.

turned into a career

Fact Profile

The Department of Microbiology at the Uni@ersity@coffers B.S., M.S., and Ph.D. degrees as well as six differeryteafiveombined Microbiology B.S. and M.P.H./M.S. programs. The B.S. program is offered to students at both the AtheansparadesGriffin Microbiology represents the intersection scentering disciplines including genetics, ecology, physibsochemistryndinfectious diseasThe department is vital to the mission of UGA in providing couragestresearch training STEM majors, particularly those who are pursuingscientific breath-related carees.

The Microbiolog Department has tenure track and 4 - timble teaching faculty 13 of the 20 regular faculty teach under gradulars ses The tenure ack faculty consists hoped assistant profess one professors, tended ull professors. The teaching faculty of a fado by the professor of the teaching faculty of a fado by the professor of the teaching faculty.

Faculty are frequently horforetheir contributions to student and cessellence in teaching with awards such as the Southeastern Branch American Society for Microbiology Green Award in teaching Little Franklin Collegedy Beaver Teaching Excellence Award, and the Sandy Beaver Teaching Professorship. Additionally, faculty earned positions in teachinitiatives such as the UGA Senior Teaching Fellows, Writing Fellows, Online Learning Fellow Service Learning Fellowed the National Academietucation Fellow in the Life Sciences programs. Gra(s)-4 ()- ET EMCOEMCOEMCOEMCOEMCOEMCOEMCO.

Evidence to Support Award Nomination

Programmat@hanges and Initiatives

The Microbiology Department takes significant measures to review and refine its undergraduate curriculum and program to provide students with the skidled academically hiledevelopingleadership and career readinests ills within a supportive academiculture. Through he new mission statement of the departments are refined to train and equipudents or critically analygs cientific evidence, deprogramment microbiological procedures, effectively communicating scientific exidence. The Microbiology Departments strives decate authenties earch and leadership experiences, display effective teaching practices, and offer outstanding mentorship for undergraduates. outcoment is revision was a programmatic map developed to highlight four key areas.

current ASM Curriculum Guidelines for Undergrad Maters bibliogy Indergraduate Affairs Committied ntified four broad categories for singtudent learning outcomes microbiology nowledge quantitative kills ability to convey scientifichought and 4) researches ign performance and analysis kills Keycourses vereidentified hat support he new SLOs and new courses were suggeste for future creation As courses are created faculty will be purpose full bout incorporating spects of the new SLOs An example of the previous SLOs and there vise of LOs that refine the research and critical analysis listed below in Table 1.

UGAMentor

Sapelo Island campus and the University of Econobilization Students are encouraged to seek out any microbiological project in any department and thus have been able to connect

required for every department to YODS microbiology faculty created a course where students were leding discovery process for biomedical research and heavisid clinical applications ne faculty member, Dr. Annades ped a new service raining class or first years tudents Water Quality and Human

Microbiologycultynavea longhistoryof earningteachingwardsuchastheSoutheasterBranckAmericarSocietyforMicrobiology GreenAward(Sawardstofacultysince198a)ndtheSandyBeaverExcellencian Teaching awardfromFranklinCollege(4facultysince1996a)longwithanumberofCUR@xcellence in UndergraduatleIentoringwardsandoneSandyBeaverTeachingProfessorshipT.wo currenfacultyaremembersofUGA'sprestigiouseachingAcademywhileothers participateith the TeachingAcademyFellowsprogramOnlineLearningFellowsprogram, PublicServiceandOutreachellowsprogramandWritingFellowsprogram.Twofaculty werenamedNationalAcademicsEducationFellowsin the LifeScience 201-2014T.his extensivparticipationandrecognition fteachingexcellencis impressivastherehave beenonly 2024 facultynembersin the Microbiology partmen over the last twenty

years.In additiongraduatestudenteonsistently striveforteachingexcellencesevidenced bythe fivegraduatestudentswhoearned highly competitivexcellencese Teaching ward from the Graduatechoobverthelase 503.4 Td ()Tj ET Q q 0 0 61

International Medical Relief of Chitchei@EM teamesented a Health Education lesson on the spread of diseases at Oglethorpe Avenue ElemenAtalnerSco@Chie studentalso gave guest lectures at Clarke Middle School, put on science programs at East Athens Community Center, and guided Duluth High School of Gwinnett County in creating and running

awards were provided by the Microberphornent, sponsoring conference organizers, and

The Microbiology Department secured NSF funding to provide a Research Experience for Undergraduates (REU) for the last 20 years to over 170 underg students coming from institutions that may not offer research dipoteenities these students have been either deaf or hard of hearing and at least 19 of all participating student came back to UGA as graduate students. This funding provided housing, food, and travel fundergraduates to stay on the UGA care during the summer semester and work in a research lab mentored by a faculty intendents who completed the REU program at UGA have been able to successfully enter graduate programs based on their research experienceln addition to hands esearch, additional enriching activities cluded in the summer experienced decluding responsible conduct of research discussion group; weekly

research presentations by faculty, postdoctoral fellows, graduate students, and guest speakers providing lternative perspectives on careers in science; a closing poster setsions; of local industrial and governmental biomedical researc facilities and social gathering diditional NSF funding secured by Dr. Vinny Sadowived the department to expand recruitment efforts targ minority students did students from Puerto Rican universities The funding also created w collaboration with Sacramento State RISE Scho

participated in the MPA program thus far.

REUstudents wilder. Barny Whitma

Since 2017, the Microb pergyment selects, trains, and implements its own cohort of volunteer peer learning assistants for both courses and labs. Microbiology Peer Assistant program is debig peratticipating stude to both courses and labs. Microbiological knowledge, connectavithy and develop leadership skills while providing enhanced instruction gridlance for students in the classroom. MIBO peer assistants (MPA assist the instructor of record with active learning in the form of small group activities tha implemented in MIBO 3500 and MIBO 2500 courses. MPAs facilitate discussion and g student groups during a class activity involving critical analysis of data and evaluation of refrom peereviewed sources or a case structure of strongly agreeic participant to program helped with their academic performance in other courses as well as helped them in their career

Emphasis on skillset development in indicated program has been keepalboin graduating studento findicated findicated program has been keepalboin graduating studento findicated program advance degree program data from Institutional Researche, to department tracked the career progression of students graduating with a Microbiology B.S from 201202 A majority of graduate 91% or higher in a job or higher

objectives. A totaBattudents from various STEM majors, including microbiology, have

degree program after graduation in a variety of distinct at were not seeking a job . See Figure 2 below.

Figure2 Surveys of graduating Microbiology majover the las