Biological Sciences

The Department of Biological Sciences offers the Bachelor of Arts (BA) degree in Biological Sciences and the Bachelor of Science (BS) degree in Biomedical Sciences, Cellular and Molecular Biochemistry, and Microbiology. The Department of Biological Sciences also offers several Fast Track programs: BS Biomedical Sciences to MS Biology, BS Biomedical Sciences to MS Bioinformatics, BS Biomedical Sciences to MBA, BS Ecology and Evolutionary Biology to MBA, BS Microbiology to MBA.

Advising and Placement

All majors in the Department of Biological Sciences must be advised prior to registration. See CORE (https://www.utep.edu/science/core/) for advising.

Chair

Bruce Cushing (http://facultyprofile.utep.edu/default.aspx?ID=bcushing)
Contact Information: bcushing@utep.edu (mtcortez@utep.edu); 915-747-5844
Education: Ph D, Michigan State University
Research Interests: Organizational Effects of Early Social Environment, Social Support on resilience and addiction, Transgenerational Epigenetic

Doctoral Advisors

Biosciences

Elizabeth Walsh (http://facultyprofile.utep.edu/default.aspx?ID=ewalsh)
Contact Information: ewalsh@utep.edu (mtcortez@utep.edu); 915-747-5421
Education: BS, University of Nevada, Las Vegas; Ph D, University of Nevada, Las Vegas

Charles Spencer (http://facultyprofile.utep.edu/default.aspx?ID=ctspencer)
Contact Information: ctspencer@utep.edu (mtcortez@utep.edu); 915-747-8776
Education: BA, Washington University in St. Louis; Ph D, Saint Louis University

Ecology & Evolutionary Biology

Elizabeth Walsh (http://facultyprofile.utep.edu/default.aspx?ID=ewalsh)
Contact Information: ewalsh@utep.edu (mtcortez@utep.edu); 915-747-5421
Education: BS, University of Nevada, Las Vegas; Ph D, University of Nevada, Las Vegas

Master's Advisor

Jerry Johnson (http://facultyprofile.utep.edu/default.aspx?ID=jjohnson)
Contact Information: jjohnson@utep.edu (mtcortez@utep.edu); 915-747-6984
Education: BS, Fort Hays Kansas State University; MS, the University of Texas at El Paso; Ph D, Texas A&M University

Professor

Renato Aguilera (http://facultyprofile.utep.edu/default.aspx?ID=raguilera)
Contact Information: raguilera@utep.edu; 915-747-6852
Education: BS, University of Texas at El Paso; MS, University of Texas at El Paso; Ph D, University of California at Berkeley; POSTD, University of California at Berkeley

Contact Information: saley@utep.edu; 915-747-8813
Education: BS, California Institute of Technology; Post-Bac Watson Fellowship, John Curtin School for Medical Research; Ph D, The Rockefeller University

Igor Almeida (http://facultyprofile.utep.edu/default.aspx?ID=icalmeida)
Contact Information: icalmeida@utep.edu; 915-747-6086
Education: Pharm B, Universidade Regional do Nordeste (currently UEPb); MS, Escola Paulista de Medicina (EPM), Federal University of Sao Paulo (UNIFESP); Ph D, Escola Paulista de Medicina-EPM (currently UNIFESP); Post-Doctoral, University of Dundee

Marc Cox (http://facultyprofile.utep.edu/default.aspx?ID=mbcox)
Contact Information: mbcox@utep.edu; 915-747-5429
Education: BS, University of Missouri; MSPH, Tulane University School of Public Health and Tropical Medicine; Ph D, Tulane University; Postdoctoral Fellowship NRS (NIH/NIDDK), Mayo Clinic

Bruce Cushing (http://facultyprofile.utep.edu/default.aspx?ID=bcushing)
Contact Information: bcushing@utep.edu; 915-747-5844
Education: Ph D, Michigan State University

Siddhartha Das (http://facultyprofile.utep.edu/default.aspx?id=sdas)
Contact Information: sdas@utep.edu; 915-747-6896
Education: BS, University of Calcutta; MS, University of Calcutta; Ph D, University of Calcutta; Post-doctoral researcher, University of Pittsburgh; Post-doctoral researcher, University of California at San Diego (UCSD)

Eli Greenbaum (http://facultyprofile.utep.edu/default.aspx?id=egreenbaum2)
Contact Information: egreenbaum2@utep.edu; 915-747-5553
Education: High School Diploma, City Honors High School; BS, Binghamton University; MS, University of Louisiana at Monroe; Ph D, University of Kansas

Kyung-An Han (http://facultyprofile.utep.edu/default.aspx?id=khan)
Contact Information: khan@utep.edu; 915-747-8950
Education: BS, Yonsei University; Ph D, State University of New York at Buffalo Roswell Park Cancer Institute

Jerry Johnson (http://facultyprofile.utep.edu/default.aspx?id=jjohnson)
Contact Information: jjohnson@utep.edu; 915-747-6984
Education: BS, Fort Hays Kansas State University; MS, University of Texas at El Paso; Ph D, Texas A&M University

Michael Kenney (http://facultyprofile.utep.edu/default.aspx?id=mikenney)
Contact Information: mikenney@utep.edu; 915-747-7540
Education: Ph D, Michigan State University

Arshad Khan (http://facultyprofile.utep.edu/default.aspx?id=amkhan2)
Contact Information: amkhan2@utep.edu; 915-747-8436
Education: BS, University of California at Riverside; MS, University of California at Riverside; Ph D, University of California at Riverside

Robert Kirken (http://facultyprofile.utep.edu/default.aspx?id=rkirkcn)
Contact Information: rkirkcn@utep.edu; 915-747-5536
Education: BA, Olivet College; Ph D, Wright State University; Postdoctoral Research Fellowship, National Institutes of Health/National Cancer Institute

Vanessa Lougheed (http://facultyprofile.utep.edu/default.aspx?id=vlougheed)
Contact Information: vlougheed@utep.edu; 915-747-6887
Education: BS, McMaster University; Ph D, McMaster University

Rosa Maldonado (http://facultyprofile.utep.edu/default.aspx?id=ramaldonado)
Contact Information: ramaldonado@utep.edu; 915-747-6991
Education: BS, Universidad Central de Venezuela, Facultad de Ciencias; Ph D, Universidade Federal do Rio de Janeiro, Institute of Biophysics Carlos Chagas Filho; Wellcome Trust International Research Fellow, University of Dundee

Craig Tweedie (http://facultyprofile.utep.edu/default.aspx?id=ctweedie)
Contact Information: ctweedie@utep.edu; 915-747-8448
Education: BS, The University of Queensland; BSc Honors, The University of Queensland; Ph D, The University of Queensland; Postdoc, Michigan State University

Elizabeth Walsh (http://facultyprofile.utep.edu/default.aspx?id=ewalsh)
Contact Information: ewalsh@utep.edu; 915-747-5421
Education: BS, University of Nevada, Las Vegas; Ph D, University of Nevada, Las Vegas

Jiaying Zhang (http://facultyprofile.utep.edu/default.aspx?id=jzhang)
Contact Information: jzhang@utep.edu; 915-747-6995
Education: MD, Zhengzhou University School of medicine (Former Henan Medical University); MPH, Xi'an Jiaotong University School of Medicine (Former Xi'an Medical University); Ph D, Xiamen University; POSTD, The Scripps Research Institute

Associate Professor

Anthony Darrouzet-Nardi (http://facultyprofile.utep.edu/default.aspx?id=adarroutztnardi)
Contact Information: adarrouzetnardi@utep.edu; 915-747-6994
Education: BA, University of California, Berkeley; Ph D, University of Colorado

Giulio Francia (http://facultyprofile.utep.edu/default.aspx?id=gfrancia)
Contact Information: gfrancia@utep.edu; 915-747-8025
Education: BS, University of Bristol; Ph D, ICRF/Kings College London
Biological Sciences

Kristine Garza (http://facultyprofile.utep.edu/default.aspx?ID=kgarza)
Contact Information: kgarza@utep.edu; 915-747-8027
Education: BS, St. Mary's University; Ph D, University of Virginia

Philip Lavretsky (http://facultyprofile.utep.edu/default.aspx?ID=plavretsky)
Contact Information: plavretsky@utep.edu; 915-747-6424
Education: BA, University of California-Davis; Ph D, Wright State University

Manuel Llano (http://facultyprofile.utep.edu/default.aspx?ID=mllano)
Contact Information: mllano@utep.edu; 915-747-6885
Education: MD, Universidad de La Habana; MS, Universidad de La Habana; Ph D, Universidad Autónoma de Madrid

Jennie McLaren (http://facultyprofile.utep.edu/default.aspx?ID=jrmclaren)
Contact Information: jrmclaren@utep.edu; 915-747-8903
Education: BS, University of Regina; MS, University of Toronto; Ph D, The University of British Columbia

Manuel Miranda-Arango (http://facultyprofile.utep.edu/default.aspx?ID=mmiranda3)
Contact Information: mmiranda3@utep.edu; 915-747-6645
Education: BS, Biology School, at the National University of Mexico (UNAM); MS, Universidad Nacional Autónoma de México; Ph D, National University of Mexico (UNAM)

Michael Moody (http://facultyprofile.utep.edu/default.aspx?ID=mlmoody)
Contact Information: mlmoody@utep.edu; 915-747-5087
Education: BA, University of Redlands; BS, University of Arizona; MS, Washington State University; Ph D, University of Connecticut

Jeffrey Olimpo (http://facultyprofile.utep.edu/default.aspx?ID=jtolimpo)
Contact Information: jtolimpo@utep.edu; 915-747-6923
Education: BS, Ursinus College; MA, University of Maryland; MS, University of Maryland; Ph D, University of Maryland

Hugues Ouellet (http://facultyprofile.utep.edu/default.aspx?ID=houellet)
Contact Information: houellet@utep.edu; 915-747-6607
Education: BS, Laval University; Ph D, Laval University

Anita Quintana (http://facultyprofile.utep.edu/default.aspx?ID=aquintana8)
Contact Information: aquintana8@utep.edu; 915-747-8988
Education: BS, New Mexico State University; Ph D, University of New Mexico

German Rosas-Acosta (http://facultyprofile.utep.edu/default.aspx?ID=grosas3)
Contact Information: grosas3@utep.edu; 915-747-5122
Education: BS, Universidad de los Andes; MS, New York University - NYU Medical Center - Sackler Institute of Graduate Biomedical Sciences; Ph D, New York University - NYU Medical Center - Sackler Institute of Graduate Biomedical Sciences

Charles Spencer (he/him) (http://facultyprofile.utep.edu/default.aspx?ID=ctspencer)
Contact Information: ctspencer@utep.edu; 915-747-8776
Education: BA, Washington University in St. Louis; Ph D, Saint Louis University

Jianjun Sun (http://facultyprofile.utep.edu/default.aspx?ID=jsun)
Contact Information: jsun@utep.edu; 915-747-8905
Education: BS, China Agriculture University; MS, China Agriculture University; Ph D, Medical College of Wisconsin; Postdoctoral fellowship, Harvard Medical School

Charlotte Vines (http://facultyprofile.utep.edu/default.aspx?ID=cvines)
Contact Information: cvines@utep.edu; 915-747-8127
Education: Ph D, Harvard University

Assistant Professor

Alexander Friedman (http://facultyprofile.utep.edu/default.aspx?ID=afriedman)
Contact Information: afriedman@utep.edu;
Education: Ph D, Bar-Ilan University

Michael Harvey (http://facultyprofile.utep.edu/default.aspx?ID=mgharvey)
Contact Information: mgharvey@utep.edu; 915-747-6999
Education: BA, Cornell University; Ph D, Louisiana State University

Mary Janecka (http://facultyprofile.utep.edu/default.aspx?ID=mjjanecka)
Contact Information: mjanecka@utep.edu;
Education: BS, Emporia State University; MS, University of Texas Rio Grande Valley; Ph D, Texas A&M University

Colince Kamdem (http://facultyprofile.utep.edu/default.aspx?ID=gckamdemdjo)
Contact Information: gckamdemdjo@utep.edu;
Education: Ph D, Yaounde, Centre, Cameroon

Elizabeth La Rue (http://facultyprofile.utep.edu/default.aspx?ID=ealarue)
Contact Information: ealarue@utep.edu;
Education: AAS, Muskegon Community College; BS, Grand Valley State University; MS, Grand Valley State University; Ph D, Purdue University

Vicente Mata-Silva (http://facultyprofile.utep.edu/default.aspx?ID=vmata)
Contact Information: vmata@utep.edu; 915-747-5354
Education: Ph D, The University of Texas at El Paso

Marguerite Mauritz (http://facultyprofile.utep.edu/default.aspx?ID=memauritz)
Contact Information: memauritz@utep.edu;
Education: Ph D, San Diego State University

Travis Moschak (http://facultyprofile.utep.edu/default.aspx?ID=tmoschak)
Contact Information: tmoschak@utep.edu;
Education: Ph D, Oregon Health & Science University

Kelly Ramirez (http://facultyprofile.utep.edu/default.aspx?ID=kramirez4)
Contact Information: kramirez4@utep.edu;
Education: BS, Washington State University; Ph D, University of Colorado

Sourav Roy (http://facultyprofile.utep.edu/default.aspx?ID=sroy1)
Contact Information: sroy1@utep.edu; 915-747-7857
Education: BS, University of Calcutta; MS, University of Kalyani; PG Diploma in Information Technology and Management, All India Management Association; MS, Indiana University Bloomington; Ph D, University of California Riverside

Brett Seymoure (http://facultyprofile.utep.edu/default.aspx?ID=bseymoure)
Contact Information: bseymoure@utep.edu; 915-747-6894
Education: BS, Alma College; Ph D, Arizona State University; Postdoctoral Fellowship, Colorado State University and National Park Service; Postdoctoral Fellowship, Living Earth Collaborative at Washington University in St. Louis

Sangeeta Tiwari (http://facultyprofile.utep.edu/default.aspx?ID=stiwari)
Contact Information: stiwari@utep.edu; 915-747-6889
Education: MS, Guru Nanak Dev University; BSEd, Punjab University; Ph D, Jawaharlal Nehru University/Institute of Microbial technology CSIR

Programs

Bachelor of Arts
- BA in Biological Sciences (http://catalog.utep.edu/undergrad/college-of-science/biological-sciences/biological-sciences-ba/)

Bachelor of Science
- BS in Biomedical Sciences (http://catalog.utep.edu/undergrad/college-of-science/biological-sciences/biological-sciences-bs/)
- BS in Cellular and Molecular Biochemistry (http://catalog.utep.edu/undergrad/college-of-science/biological-sciences/cellular-molecular-biochemistry-bs/)
- BS in Ecology and Evolutionary Biology (http://catalog.utep.edu/undergrad/college-of-science/biological-sciences/bs-ecology-evolutionary-biology/)
- BS in Microbiology (http://catalog.utep.edu/undergrad/college-of-science/biological-sciences/microbiology-bs/)
- BS in Neuroscience (http://catalog.utep.edu/undergrad/college-of-science/biological-sciences/neuroscience-bs/)

Minor
- Minor in Biological Sciences (http://catalog.utep.edu/undergrad/college-of-science/biological-sciences/biological-sciences-minor/)

Fast Tracks
- BS in Biomedical Sciences to MBA (http://catalog.utep.edu/undergrad/college-of-science/biological-sciences/fast-track/bs-biological-sciences-biomedical-conc-mba/)
- BS in Biomedical Sciences to MS in Bioinformatics (http://catalog.utep.edu/undergrad/college-of-science/biological-sciences/fast-track/bs-biological-sciences-to-ms-bioinformatics/)
• BS in Microbiology Sciences to MS in Bioinformatics (http://catalog.utep.edu/undergrad/college-of-science/biological-sciences/fast-track/bs-microbiology-sciences-to-ms-bioinformatics/)

• BS in Biomedical Sciences to MBA (http://catalog.utep.edu/undergrad/college-of-science/biological-sciences/fast-track/bs-biological-sciences-biomedical-conc-mba/)

• BS in Ecology in Evolutionary Biology to MBA (http://catalog.utep.edu/undergrad/college-of-science/biological-sciences/fast-track/bs-biological-sciences-ecology-evolutionary-biology-conc-mba/)

• BS in Microbiology to MBA (http://catalog.utep.edu/undergrad/college-of-science/biological-sciences/fast-track/bs-microbiology-mba/)

The University of Texas at El Paso
Department of Biological Sciences
College of Science
500 W University
El Paso, Texas 79902

Phone: 915.747.5844
Email: biology@utep.edu

Visit Department Website (https://www.utep.edu/science/biology/)