

Amy R Tvinnereim
August 2025 - August 2026
Associate Professor
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CONTACT INFORMATION

314 Biomedical Research

DEGREES

1998	Ph.D., Microbiology and Molecular Genetics, Medical College of Wisconsin, Milwaukee, Wisconsin, United States Dissertation: Characterization of the T cell receptor repertoire utilized in the alloresponse to HLA-A2
1992	B.Sc., Biology, Bradley University, Peoria, Illinois, United States

POST-GRADUATE TRAINING

Post-Doctorate, University of Iowa, Immunology, Iowa City, Iowa, United States, January 1998, December 2002

Post-Doctorate, The University of Texas Health Science Center at Tyler, Immunology, Tyler, Texas, United States, December 2002, August 2007

ACADEMIC APPOINTMENTS

Professor, Cellular and Molecular Biology, University of Texas at Tyler, Tyler, Texas, Tenure (if applicable): Not Tenured, 2024-09-01

Instructor, Cellular and Molecular Biology, University of Texas Health Science Center at Tyler, Tyler, Texas, Tenure (if applicable): Not Applicable, 2007-09-01, 2011-08-31

Research Assistant Professor, Cellular and Molecular Biology, The University of Texas Health Science at Tyler, Tyler, Texas, Tenure (if applicable): Not Applicable, 2011-09-01, 2018-08-31

Adjunct Assistant Professor, Biochemistry, Stephen F. Austin University, Nacogdoches, Texas, Tenure (if applicable): Not Applicable, 2009-09-01, 2018-08-31

Associate Professor, CMB, UT Tyler School of Medicine, 2018-09-01, 2024-08-31

ADMINISTRATIVE APPOINTMENTS

Director of Animal and Biosafety Program, University of Texas at Tyler, UT Tyler School of Medicine, Tyler, Texas, 2025-03-01

Director Animal and Biosafety Program, UT Tyler, UT Tyler School of Medicine, Tyler, Texas, 2025-03-01

Radiation Safety Officer, Cellular and Molecular Biology, UT Tyler School of Medicine, Tyler, Texas, 2024-12-16

Reviewing Official for NRC Regulated Radioactive Materials, Cellular and Molecular Biology, UT Tyler School of Medicine, Tyler, Texas, 2023-11-20

Assistant Director Biosafety Level 3 Labs, Cellular and Molecular Biology, UT Tyler School of Medicine, Tyler, Texas, 2023-09-01

Director, Certificate in Biomedical Sciences, Cellular and Molecular Biology, UT Tyler School of Medicine, Tyler, Texas, 2023-09-01, 2024-03-01

Director of Interdisciplinary Medical Science Certificate, Cellular and Molecular Biology, UT Tyler School of Medicine, Tyler, Texas, 2023-09-01, 2024-03-01

Director Master of Science in Biotechnology Program, Cellular and Molecular Biology, UT Tyler School of Medicine, Tyler, Texas, 2022-09-01, 2024-03-01

Radiation Safety Officer for CT Scanners, Cellular and Molecular Biology, UT Tyler School of Medicine, Tyler, Texas, 2021-12-01

Director of Core Facilities, Cellular and Molecular Biology, UT Tyler School of Medicine, Tyler, Texas, 2007-09-01

Director of Biosafety Level 3 Labs, Cellular and Molecular Biology, UT Tyler School of Medicine, Tyler, Texas, 2007-09-01, 2023-08-31

PROFESSIONAL MEMBERSHIPS

Regional

October 2025 - Ongoing

Texas Branch American Society for Microbiology[Responsibility: Member]

National

December 2025 - Ongoing

American Association for the Advancement of Science[Responsibility: Member]

January 2025 - Ongoing

Biosafety Administrators Association [Responsibility: Member]

November 2024 - Ongoing

Scientists Center for Animal Welfare[Responsibility: Member]

SERVICE ON COMMITTEES

UTT

August 2023 - September 2025

BSL2/BSL3 Facility Planning Committee [Responsibility: Member]

September 2022 - Ongoing

Academy of Distinguished Teachers[Responsibility: Member]

September 2012 - Ongoing

Institutional Animal Care and Use Committee[Responsibility: Chair]

UTT SOM

December 2025 - Ongoing

SOM Immunology Faculty Search Committee [Responsibility: Member]

November 2025 - Ongoing

JAMP Internship Planning committee [Responsibility: Member]

December 2024 - Ongoing

Graduate Studies Curriculum Committee [Responsibility: Member]

November 2024 - December 2025

Search Committee SOM [Responsibility: Co-Chair]

April 2023 - Ongoing

Summer Externship Planning Committee [Responsibility: Member]

August 2022 - Ongoing

Admissions Committee Master of Science in Biotechnology Program [Responsibility: Member]

Financial Aid Committee Master of Science in Biotechnology Program [Responsibility: Member]

Curriculum Committee Master of Science in Biotechnology Program [Responsibility: Member]

Cobb Scholarship Committee Master of Science in Biotechnology Program [Responsibility: Member]

March 2022 - Ongoing

Infrastructure Committee Biomedical Research [Responsibility: Member]

Local

February 2024 - September 2025

Promotion and Tenure Task Force, Subcommittee : Service subcommittee [Responsibility: Member]

Regional

August 2025 - October 2025

Texas ASM Branch Meeting Organization Committee, Subcommittee : Infectious Organisms Oral Presentation Session [Responsibility: Chair]

TEACHING ACTIVITIES

Title	Setting	Level of Learner	Number of Learners	Contact Hours	Type of Learning Activity	Teaching Methods	Start Month	End Month
IBMS 6100 Ethics of Biomedical Research	Course	Doctoral/Master	5	5	Series	Small Group (e.g.: Case-based discussion)	January 2026	Ongoing
BIOT 5132 Critical Readings	Course	Doctoral/Master	5	1	Single Session	Small Group (e.g.: Case-based discussion)	September 2025	Ongoing
BIOT 5310 Fundamentals of Biomedical Research	Course	Doctoral/Master	5	9	Single Session	Lecture	September 2025	Ongoing
MEDI 8106 Invaders	Course	Post Graduate	40		Single Session	Lecture	July 2024	Ongoing
MEDI 8106 Defense	Course	Post Graduate	40		Single Session	Lecture	May 2024	Ongoing
BIOT 6325 Biotechnology Internship	Course	Doctoral/Master	3		Series	Other	December 2023	Ongoing
Summer Extern Program	Course, Lab	Undergraduate	10		Series	Lecture, Laboratory	May 2023	Ongoing
BIOT 5211 Advanced Biotechniques	Course	Doctoral/Master	12		Series	Lecture	September 2020	Ongoing
BIOT 5211L Advanced Biotechniques Lab	Lab	Doctoral/Master	12		Series	Laboratory	September 2020	Ongoing
BIOT 6334 Advanced Immunology	Course	Doctoral/Master	7		Series	Lecture, Small Group (e.g.: Case-based discussion)	January 2016	Ongoing
BIOT 6336 Biophysical Chemistry	Course, Lab	Doctoral/Master	12		Series	Lecture, Laboratory, Small Group (e.g.: Case-based discussion)	June 2014	Ongoing
BIOT 6340 DNA Forensics	Course	Doctoral/Master	5		Series	Lecture	September 2013	Ongoing
BIOT 6335 Tissue Culture Techniques	Course, Lab	Doctoral/Master	5		Series	Lecture, Laboratory	September 2013	Ongoing
	Faculty Development	Faculty Development	20		Single Session	Other	September 2012	Ongoing
Training to operate core equipment	Other	Doctoral/Master, Post Graduate	3		Series	Small Group (e.g.: Case-based discussion), One-to-one, Laboratory/Research Preceptor	September 2007	Ongoing

CURRICULUM DEVELOPMENT

Curriculum Name/Topic	Your Role and Degree of Responsibility	Curriculum Length	Level of Learner	Number of Learners	Start Month	End Month
BSL3 Training Course	Developer	Course/Clerkship	Doctoral/Master	7	June 2023	Ongoing

ASSESSMENT METHODS

Context of Assessment	Assessment Method	Your Role	Level of Learners	Number of Learners	Start Month	End Month
Lab Report to assess scientific writing skills upon entering Biotechnology Program	Projects, Group Projects and Dissertations	Implementation of Existing Tool	Doctoral/Master	10	September 2012	Ongoing

ADVISING/MENTORING/COACHING

Name of Individual	Level of Training	Purpose/Objective	Mentoring/Advising Activities	Start Month	End Month
Merina Basnet	Graduate	Scholarly work	Formal, Research mentor/advisor/coach	April 2025	Ongoing
Christiana Okeke	Graduate	Scholarly work	Formal, Research mentor/advisor/coach	April 2025	Ongoing
Mounika Duggineni	Graduate	Scholarly work	Formal, Research mentor/advisor/coach	April 2025	Ongoing
Uday Allamneni	Graduate	Scholarly work	Formal, Research mentor/advisor/coach	March 2025	Ongoing

EDUCATIONAL LEADERSHIP AND ADMINISTRATION

December 2023 - Ongoing

Coordinate Medical Scholars Onboarding in Biomedical Research, Unit/Location: Biomedical Research, Your Role: Appointed

BIOT 6325 Biotechnology Internship Course Director, Unit/Location: Department of Cellular and Molecular Biology, Your Role: Appointed

August 2022 - Ongoing

Course Director BIOT 6335 Tissue Culture Techniques, Unit/Location: Department of Cellular and Molecular Biology, Your Role: Appointed

September 2020 - Ongoing

Course Director BIOT 5211 Advanced Biotechniques, Unit/Location: Department of Cellular and Molecular Biology, Your Role: Appointed

Course Director BIOT 5211L Advanced Biotechniques Lab, Unit/Location: Department of Cellular and Molecular Biology, Your Role: Appointed

August 2013 - Ongoing

Course Director BIOT 6340 DNA Forensics, Unit/Location: Department of Cellular and Molecular Biology, Your Role: Appointed

Course Director BIOT 6335 Tissue Culture Techniques, Unit/Location: Department of Cellular and Molecular Biology, Your Role: Appointed