

Claire T. Fournier
Curriculum Vitae

Education

Ph.D. Biology 2006-2013
Wesleyan University, Middletown CT

B.S. Biology 2002-2006
University of Saint Joseph, West Hartford CT

Teaching Experience

Lecturer and Lab Coordinator, Trinity College, CT 2014-present
Evolution of Life laboratory (BIOL 182L)
Cellular Basis of Life laboratory (BIOL 183L)
Genes and Human Disease (BIOL 124)

Adjunct Instructor, University of Saint Joseph, CT

Dept. of Biology, Microbiology lecture and lab 2014
Dept. Biology, Introductory Biology lab 2013
Dept. Biology, Immunology lab 2013

Graduate Student, Wesleyan University

Dept. of Biology, Thesis lab mentoring 2006-2013
Dept. of Biology, Introductory Biology, teaching assistant 2006-2011

Research

Lecture and Lab coordinator, Trinity College 2016-present
Dept. of Biology
Working with undergraduate student to purify cellular components of budding yeast in an effort to understand cellular sequestration of nonstandard protein products.

Graduate Student, Wesleyan University 2006-2013
Dept. of Biology, Dr. Michael Weir
Identification and analysis of nonstandard protein translation in budding yeast.

Undergraduate Student, University of Saint Joseph 2004-2006
Dept. of Biology, Dr. Mark Johnson
Identification of Vancomycin resistant bacteria from Connecticut watersheds by RFLP analysis

Publications

Fournier, C. T., Cherny, J. J., Truncali, K., Robbins-Pianka, A., Lin, M.S., Krizanc, D., Weir, M.P. Amino Termini of Many Yeast Proteins Map to Downstream Start Codons. *Journal of Proteome Research*. 2012. 11(12) 5712-5719.

Lin, M.S., Cherny, J.C., **Fournier, C.T.**, Roth, S.J., Krizanc, D. Weir, M.P. Assessment of MS/MS Search Algorithms with Parent-Protein Profiling. *Journal of Proteome Research*. 2014. 13(4) 1823-1832.

Presentations

Fournier, C.T. Protein Translation: Looking Downstream. Biol 403 Seminar. Trinity College. Presentation. 2014.

Fournier, C.T., Cherny, J.J., Weir, M.P. Assessment of Protein Translation in Yeast Through Amino Terminal Peptide Identification. American Society for Mass Spectrometry. Poster. 2010. Sanibel, FL.

Fournier, C.T., Cherny, J.J., Weir, M.P. Amino Termini of Many Yeast Proteins Map to Downstream Start Codons. Wesleyan Biophysics Retreat. Poster. 2012. Middletown, CT.

Guest Lectures

Research Frontiers in Molecular Biology Class. 1 hour lecture. Wesleyan University. 2009-2010,2013.

Awards

Faculty Research Grant, Trinity College, 2016
Travel Stipend. ASMS Conference. Sanibel FL, 2010

Committees

Quantitative literacy committee, Trinity College, 2019-present
Jury pool, Trinity College, 2019-present
Health professions advising committee (HPAC), Trinity College, 2016-present
Faculty advisor to Biology Club, Trinity College, 2015-present
Biology faculty search committee, Wesleyan University, 2012.

Outreach

Biology dept. liaison to Amistad Academy student visit, 2015-2017

Technical Experience

Molecular genetics:

PCR, RT-PCR, gel electrophoresis, DNA mutagenesis, chromosomal epitope tagging, sub-cloning, yeast and bacterial transformation.

Proteomics:

Nanospray mass spectrometry, protein purification, Western blot.

Cell culture:

Mammalian cell culture and cytokine stimulation, bacterial and yeast culture, media preparation.

Technology:

Word, Excel, PowerPoint, BLAST, Information weight matrices, SEQUEST/OMSSA, and relational databases.

Membership

ABLE (Association for Biology Laboratory Education)

CABT (Connecticut Association of Biology Teachers)