

Frederick Joseph LaRiviere

BIOL 160/CHEM 160 CSI: W&L
BIOL 274 Structural Biology
CHEM 110 General Chemistry
CHEM 111L General Chemistry Laboratory
CHEM 175 Teaching Inquiry Science in the Local Schools
CHEM 295 Ribosome Biogenesis and Ribosomal RNA Quality Control
CHEM 298 Mechanisms of Cancer
CHEM 341 Biochemistry I
CHEM 342 Biochemistry II
CHEM 343 Biochemistry I Laboratory
CHEM 344 Biochemistry II Laboratory
CHEM 345 Advanced Biochemistry
CHEM 421/2/3 Directed Individual Research
CHEM 471/3 Senior Thesis
CHEM 493 Honors Thesis
INTR 493 Honors in Interdisciplinary Work
WRIT 100 First Year Writing Seminar: The Science of Sherlock

(* denotes thesis student)

39 at W&L -- Matthew Smith, Andrew Ackell*, Lucas Carmalt, Carly Levin*, Michael McArdle, Kehvon Clark*, Sarah Connor*, Bridget Donovan*, Victoria Garcia, Caitlin Edgar, Kelli Jarrell, Diane Lee*, Katie Driest*, Emily Kunkel, Jessie Ykimoff, Kelsey Baker, Andrew Renaldo, Derek Barisas*, Darlon Jan*, John Lankalis, Hunter Brooks, Grace Lee, Chris Hu, Karen Villarroel, David Zekan*, Liam Gaziano, Susan Ma, Victor Yu*, Ethiopia Getache000912 0 612 792 reW* nBT/F3 12 Tf1 0 0 1 142.94 526.54uf1

Frederick Joseph LaRiviere

Carson TM*, Bradley SQ*, Fekete BL, Millard JT, and LaRiviere FJ. (2009) Forensic analysis of canine DNA samples in the undergraduate biochemistry laboratory. *Journal of Chemical Education* 86:376-378.

Cole SE and LaRiviere FJ. (2008) Analysis of nonfunctional rRNA decay in *Saccharomyces cerevisiae*. *Methods in Enzymology* 449:239-259.

LaRiviere FJ, Miller LM, and Millard JT. (2007) Showing the true face of chemistry in a service-learning outreach course. *Journal of Chemical Education* 84:1636-1639.

LaRiviere FJ, Cole SE, Ferullo DJ, and Moore MJ. (2006) A late-acting quality control process for mature eukaryotic rRNAs. *Molecular Cell* 24:619-626.

LaRiviere FJ, Wolfson AD, and Uhlenbeck OC. (2001) Uniform binding of aminoacyl-tRNAs to elongation factor Tu by thermodynamic compensation. *Science* 294:165-168.

Wolfson AD, LaRiviere FJ, Pleiss JA, Dale T, Asahara H, and Uhlenbeck OC. (2001) tRNA conformity. *Cold Spring Harbor Symposium on Quantitative Biology* 66:185-193.

Sherlin LD, Bullock TL, Nissan TA, Perona JJ, LaRiviere FJ, Uhlenbeck OC and Scaringe SA. (2001) Chemical and enzymatic synthesis of tRNAs for high-throughput crystallization. *RNA* 7:1671-1678

Frederick Joseph LaRiviere

J. Edwin Treacle Foundation; "Additional equipment for new biochemistry laboratory," Awarded June, 2007. \$2,000

Jeffress Memorial Trust Research Grant; "Investigating non-functional ribosomal RNA decay and ribosomal assembly in *Saccharomyces cerevisiae*," Awarded January, 2007. \$22,000

Camille and Henry Dreyfus Faculty Start-up Award; "Investigation of the mechanisms of ribosome synthesis and ribosomal RNA degradation," Awarded July, 2006. \$30,000

J. Edwin Treacle Foundation; "Equipment to build a new biochemistry laboratory," Awarded June, 2006. \$2,000 (with Lisa Alty)

Funding

Washington and Lee University Lenfest Grant; " Investigating RNA degradation in yeast," Summer 2018. \$5995

Washington and Lee University Lenfest Grant; "Investigating a novel tRNA degradation pathway in yeast," Summer 2017. \$4500

Washington and Lee University Lenfest Grant; "Investigating the role of helicases in ribosome biosynthesis and degradation," Summer 2016. \$4500

Washington and Lee University Lenfest Grant; "Biochemical studies of ribosome assembly and rRNA degradation," Summer 2015
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Frederick Joseph LaRiviere

(* denotes undergraduate student)

Yu V* and LaRiviere FJ. "Identification of helicase genes as novel NRD factors." UMass Lowell Moore Research Symposium; University of Massachusetts Medical School; Worcester, MA; October, 2017.

Yu V* and LaRiviere FJ. "Identification of helicase genes as novel NRD factors." American Society for Biochemistry and Molecular Biology Annual Meeting; Chicago, IL; April, 2017.

Villarroel Gomez KJ* and LaRiviere FJ. "The effect of ultraviolet stress on nonfunctional rRNA decay;" 2016 American Society for Biochemistry and Molecular Biology Annual Meeting; San Diego, CA; April, 2016.

Zekan D* and LaRiviere FJ. "Effects of aging and nitrogen deprivation on nonfunctional rRNA decay;" 2016 American Society for Biochemistry and Molecular Biology Annual Meeting; San Diego, CA; April, 2016.

Driest KE*, Ykimoff JR*, and LaRiviere FJ. "Microarray analysis of nonfunctional ribosomal RNA decay in *Saccharomyces cerevisiae*." 245th American Chemical Society Meeting; New Orleans, LA; April 2013

Desjardins SG, Finnegan A*, and LaRiviere FJ.

Frederick Joseph LaRiviere

Associate University Registrar Search Committee (2021)
Associate Director of Corporate and Foundation Relations Search Committee (2021)
Dean of the College Search Committee (2020-2021)
Vice Chair, Courses and Degrees Committee (2019-present)
Assessment and Care Team (ACT) Committee (2019-present)
Automatic Rule and Reinstatement Committee (2019-present)
International Education Committee (2019-present)
Financial Aid Committee (2019-present)
Glasgow Endowment Committee (2019-present)
Academic Calendar, Scheduling, and Registration Committee (2019-present)
Non-Tenure Track Faculty Task Force (2019-present)
University Registrar Search Committee (2019; 2021)
Dean of the College Administrative Assistant Search Committee (2019)
Associate Dean of the College for Administrative Affairs Search Committee (2019)
Organic Chemistry Faculty Search Committee (2018)
Quality Enhancement Plan (QEP) Selection Committee (2017-2018)
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7 U † O† 7 = u (2016-present)
Faculty Advisor for W&L Pre-dental Club (2016-2019)
2017 Science, Society, and the Arts Planning Committee (2015-2017)
Faculty Administrators Evaluation Committee (2015-16)
Faculty Representatives to the Board of Trustees (2014-16)
Writing Program Advisory Committee (2014-15; 2016-present)
Health Professions Advisory Committee (2013-2019)
Biochemistry Faculty Search Committee (2013-2014)
Chair, Analytical Chemistry Faculty Search Committee (2012-13)
Faculty Executive Committee (2010-13)
Bioinformatics Faculty Search Committee (2010-11)
Computational Biologist Faculty Search Committees (2009-10; 2011-12)
2011 Science, Society, and the Arts Planning Committee (2009-11)
HHMI Grant Advisory Committee (2008-2017)
Faculty advisor for ASBMB student affiliate chapter (2008-2019)
Committee on Socioeconomic Diversity in the Undergraduate Student Body (2008-09)
Teacher Education Advisory Committee (2007-13)
Radiation Safety Advisory Committee (2006-10; 2016-present)

American Chemical Society (ACS)

American Society for Biochemistry and Molecular Biology (ASBMB)

Virginia Academy of Science

Frederick Joseph LaRiviere

Taught W&L/HHMI Summer Institute A Professional Development Institute for Local Elementary School Educators; July, 2012 (with Bill Hamilton, W&L)

Taught W&L/HHMI Summer Institute A Professional Development Institute for Local Elementary