

CIRRICULUM VITAE

SARAH MEGHAN KRIGER

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CURRENT POSITION

University of Kentucky , Department of Chemistry Graduate Student	08/2020 - Present Lexington, KY
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EDUCATION

Purdue University BS, Biochemistry	2013 – 2017 West Lafayette, IN
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PROFESSIONAL EXPERIENCE

Covance Laboratories Research Assistant II Bioanalytical Chemistry <ul style="list-style-type: none">Conduct and oversee research and validation projects to create new bioanalytical methods, enhance existing methods, and transfer client-provided methods in a timely and cost-effective manner	06/2019 – 07/2020 Salt Lake City, UT
Research Analyst II Bioanalytical Chemistry <ul style="list-style-type: none">Support bioanalysis of active pharmaceuticals by validating technical procedures and testing robustness and reproducibility of extraction methods in compliance with appropriate SOPs, GLPs, and regulatory agency guidelines	09/2018 – 06/2019 Salt Lake City, UT
Research Analyst I Bioanalytical Chemistry <ul style="list-style-type: none">Determine the concentration of active pharmaceutical ingredients and/or biomarkers within a variety of matrices via LC-MS	09/2017 – 09/2018 Salt Lake City, UT
Analytical Chemistry Intern Nutritional Chemistry <ul style="list-style-type: none">Determine the concentration of catechins & xanthines in a variety of consumer products and develop/validate a method for accurate and consistent quantitation using NIST materials	05/2016 – 08/2016 Madison, WI

SKILLS AND TRAINING

Instrumentation: Sciex API 6500 Triple Quad MS, Sciex API 5000 Triple Quad MS, Sciex API Triple Quad 4000 MS, Thermo QExactive Orbitrap HRAM MS, Shimadzu Fluorescence Detector (LC-FD), Waters UPLC, Shimadzu Nexera UPLC, Shimadzu Leap CTC Pal, Hamilton Nimbus Automated Liquid Handler, Hamilton Star MicroLab, Waters Positive Pressure-96 Manifold, TurboVap-96, SPEX GenoGrinder

Software: Xcalibur, LC Quan, Analyst 7.0, Empower, Watson Plus, Nautilus, SmartLab

POSTERS, PUBLICATIONS AND PRESENTATIONS

“Quantification of a Novel Peptide, CPT31 in Rat and Monkey Plasma by LC-MS” China Y. Lim, **Sarah Meghan Kriger**, Brandon Wilcock, Vamshi Manda, Brett Welch, Erik Kish-Trier, Scott Reuschel, and Troy Voelker, Sixty-seventh Annual American Society of Mass Spectrometry (ASMS) Conference on Mass Spectrometry and Allied Topics, Atlanta, Georgia, June, 2019.

“Quantitative Analysis of Oligonucleotides in Human Muscle Tissue using Liquid Chromatography coupled with High Resolution/Accurate Mass (HR/AM) Mass Spectrometry” Nidhi Jaiswal, Jianbo Zhang, **Sarah Meghan Kriger**, Jeremy Elison, Brandon Wilcock, Yuangfeng Wu, Scott Reuschel, and Troy Voelker, Boston Society’s Fifteenth Annual Applied Pharmaceutical Analysis Conference, Boston, Massachusetts, September, 2019.

PROFESSIONAL MEMBERSHIPS AND AFFILIATIONS

Member , American Chemical Society	06/2020 – Present
Member , Purdue Student Union Board	2014 – 2017
Recruitment Counselor , Purdue Panhellenic Association	2015
Vice President , Gamma Phi Beta International Sorority	2015 – 2016
Member , Gamma Phi Beta International Sorority	2013 – 2017

OUTREACH ACTIVITIES

Mentor , Girls on the Run International	2013 - 2017
Fundraiser , Alex’s Lemonade Stand Foundation	2013 - 2017
Volunteer , Purdue Panhellenic Association Service Trip	2016
Counselor , Camp Tecumseh	2011 - 2013