Scott G. Lynn

Website: http://www.scottglynn.com/ Google Scholar E-mail: scottglynn.com;

Academic Preparation

PhD in Biology, University of Kentucky, Lexington, Kentucky.

Dissertation title: Cloning and expression of key endocrine genes in a study of estrogen stimulated sexual size dimorphism (SSD) in yellow perch (*Perca flavescens*)

MS in Bioscience and Biotechnology, Drexel University, Philadelphia, Pennsylvania

Thesis title: Effects of nutrient availability on the biochemical and elemental stoichiometry of a freshwater diatom *Stephanodiscus minutulus* (Bacillariophyceae)

The Pennsylvania State University, University Park, Pennsylvania. .

Non-matriculated student enrolled in graduate classes.

BS in Environmental Resource Management, Penn State University, University Park, Pennsylvania.

Water quality and soil resources specialization.

Employment/Appointments

United States Environmental Protection Agency, Office of Pesticide Programs

Oct 2020 to present

- Fish Biologist in the Endocrine Disruptor Screening Program (EDSP)Review technical literature for scientific validity
- Provide science and policy interagency comments and input technical monographs and reports.
- Give presentations to national and international audiences on program direction
- Manage financial contracts as a TO COR and ensure quality of deliverables
- Lead and participate in scientific work groups
- Represent US EPA on endocrine disruption and other issues to international workgroups and governments
- Group Ecological (OECD VMG Eco)

University of Maryland, Department of Environmental Sciences and Technology

Jan 2015 to Jun 2020

Special Graduate Faculty and Lecturer

- Primary co-instructor for ENST 445 Ecological Risk Assessment (2015-2020)
- Active member of PhD dissertation committee as special graduate faculty

US Environmental Protection Agency, Office of Science Coordination and Policy

Apr 2015 to Jun 2016

Federal Insecticide, Fungicide, Rodenticide Act (FIFRA) Science Advisory Panel (SAP) Detail as a Designated Federal Official (DFO)

- Conferred with Agency officials to develop cross program policies and issues
- Coordinates aspects of meetings and provide administrative and technical guidance to attendees
- Ensures that technical reports are thorough and scientifically sound and responsive
- Provide authoritative scientific and technical expertise in scientific peer review
- Provide a technical review of background materials and presentations to ensure scientific basis

US Environmental Protection Agency, Office of Science Coordination and Policy

Feb 2011 to Oct 2020

Exposure, Assessment Coordination and Policy Division (EACPD)

Fish Biologist in the Endocrine Disruptor Screening Program (EDSP)

- Review technical literature for scientific validity
- Provide science and policy interagency comments and input technical monographs and reports.
- Give presentations to national and international audiences on program direction
- Manage financial contracts as a TO COR and PO and ensure quality of deliverables
- Lead and participate in scientific work groups
- Represent US EPA on endocrine disruption and other issues to international workgroups and governments

Fulbright Association for Educational Exchange

Jan 2010 to Aug 2010

Post-doctoral Fulbright Research Scholar investigating endocrine disruption and climate change

Michigan State University, Department of Biochemistry and Molecular Biology

Nov 2006 to Dec 2009

NIEHS post-doctoral fellow through the Center for Integrative Toxicology

Visiting Research Associate investigating the molecular and biochemical mechanisms of hypoxia and AhR

Peer Reviewed Publications

- 1. **Lynn SG**, IR Schultz, SR Matten, PR Patel, SL Watson, YL Yueh, SR Black, BA Wetmore. 2025. Cross-species comparisons of plasma binding and considerations for data evaluation. Toxicology in Vitro. 106:106036. https://doi.org/10.1016/j.tiv.2025.106036
- Burden N, CA Mitchell, Z Dang, MR Embry, S Glaberman, L Lagadic, SG Lynn, J Marini, E Mihaich, E McDermott, J Krzykwa, ER Salinas, H Schoenfuss, K Thorpe, L Weltje, JR Wheeler. 2025. Evaluation of in vivo fish and amphibian endocrine test guideline assays: current status and future needs. Environmental Toxicology and Chemistry. https://doi.org/10.1093/etojnl/vgaf064
- 3. Wheeler JR, R Puglisi, AC Bejarano, Z Gao, L Lagadic, S Glaberman, CA Mitchell, N Burden, V Mingo, **SG Lynn**, MR Embry. 2025. Control performance of Amphibian Metamorphosis Assays with *Xenopus laevis*. Regulatory Toxicology and Pharmacology. 157:105773. https://doi.org/10.1016/j.yrtph.2025.105773
- 4. Nelms MD, T Antonijevic, C Ring, DL Harris, RJ Bever, **SG Lynn**, D Williams, G Chappell, R Boyles, S Borghoff, S Edwards, K Markey. 2024. Chemistry domain of applicability evaluation for estrogen receptor high-throughput (HT) assay-based activity models. Frontiers in Toxicology, section Computational Toxicology and Informatics. 6:1346767 https://doi.org/10.3389/ftox.2024.1346767
- 5. Bever RJ, SW Edwards, T Antonijevic, MD Nelms, C Ring, D Harris, **SG Lynn**, D Williams, G Chappell, R Boyles, S Borghoff, KJ Markey. 2024. Optimizing androgen receptor (AR) prioritization using high-throughput (HT) assay-based activity models. Frontiers in Toxicology, section Computational Toxicology and Informatics. 6:1347364. https://doi.org/10.3389/ftox.2024.1347364.
- Foley B, K Hopperstad, J Gamble, SG Lynn, RS Thomas, C Deisenroth. 2024. Technical Evaluation and Standardization of the Human Thyroid Microtissue Assay. Toxicological Sciences. 199(1):89-107 https://doi.org/10.1093/toxsci/kfae014
- 7. Matten S, D Fallacara, A Kamel, **SG Lynn**, DJ Fort, JC Wolf, T Leak, RJ Bever, A Thomas, VJ Brown. 2023. Evaluation of multigenerational effects of 2-ethylhexyl 4-hydroxybenzoate in Japanese medaka. Journal of Applied Toxicology. 43(11):1645-1666. https://doi.org/10.1002/jat.4502
- 8. Vliet SMF, KJ Markey, **SG Lynn**, A Adetona, D Fallacara, P Ceger, N Choski, AL Karmus, A Watson, A Ewans, AB Daniels, J Rooney, K Vitense, KA Wolf, A Thomas, CA LaLone. 2023. Weight of Evidence for Cross-Species Conservation of Androgen Receptor-Based Biological Activity. Toxicological Sciences. 193(2):131-145. https://doi.org/10.1093/toxsci/kfad038
- Mitchell CA, N Burden, M Bonnell, M Hecker, TH Hutchinson, M Jagla, CA LaLone, L Lagadic, SG Lynn, B Shore, Y Song, SM Vliet, JR Wheeler, MR Embry. 2023. New approach methodologies for the endocrine activity toolbox: Environmental assessment for fish and amphibians. Environmental Toxicology and Chemistry. 42(4):757-777. https://doi.org/10.1002/etc.5584
- 10. Kamel A, SR Matten, **SG Lynn**, JC Wolf, DJ Fort. 2022. Amphibian Metamorphosis Assay: Investigation of the potential effects of five chemicals on the hypothalamic-pituitary thyroid axis of *Xenopus laevis*. Regulatory Toxicology Pharmacology. 134:105241. https://doi.org/10.1016/j.yrtph.2022.105241
- 11. Ceger P, N Garcia-Reyero Vinas, D Allen, E Arnold, R Bloom, JC Brennan, C Clarke, K Eisenreich, K Fay, J Hamm, PFP Henry, K Horak, W Hunter, D Judkins, P Klein, N Kleinstreuer, K Koehrn, CA LaLone, JP Laurenson, JK Leet, A Lowit, SG Lynn, T Norberg-King, EJ Perkins, EJ Petersen, BA Rattner, CS Sprankle, T Steeger, JE Warren, S Winfield, E Odenkirchen. 2022. Current ecotoxicity testing needs among selected U.S. federal agencies. Regulatory Toxicology Pharmacology. 133:105195. https://doi.org/10.1016/j.yrtph.2022.105195
- 12. Burden N, MR Embry, TH Hutchinson, **SG Lynn**, SK Maynard, CA Mitchell, F Pellizzato, F Sewell, KL Thorpe, L Weltje, JR Wheeler. 2022. Investigating endocrine-disrupting properties of chemicals in fish and amphibians: Opportunities to apply the 3Rs. Integrated Environmental Assessment and Management. 18:442-458. https://doi.org/10.1002/jeam.4497
- 13. Black S, JW Nichols, KA Fay, SR Matten, **SG Lynn**. 2021. Evaluation and comparison of in vitro intrinsic clearance rates measured using cryopreserved hepatocytes from humans, rats, and rainbow trout. Toxicology. 457:152819. https://doi.org/10.1016/j.tox.2021.152819
- 14. Bell SM, X Chang, JF Wambaugh, DG Allen, M Bartels, KLR Brouwer, WM Casey, N Choksi, SS Ferguson, G Fraczkiewicz, AM Jarabek, A Ke, A Lumen, SG Lynn, A Paini, PS Price, C Ring, TW Simon, NS Sipes, CS Sprankle, J Strickland, J Troutman, BA Wetmore, NC Kleinstreuer. 2018. In vitro to in vivo extrapolation for high throughput prioritization and decision making. Toxicology in Vitro. 47:213-227. https://doi.org/10.1016/j.tiv.2017.11.016
- 15. Saini Y, SP Proper, P Dornbos, KK Greenwood, AK Kopec, **SG Lynn**, E Grier, LD Burgoon, TR Zacharewski, RS Thomas, JR Harkema, JJ LaPres. 2015. Loss of HIF-2α recues the HIF1α deletion phenotype of neonatal respiratory distress in mice. PLoS ONE. 10(9):e0139270. https://doi.org/10.1371/journal.pone.0139270
- 16. Hwang HJ, **SG Lynn**, A Vengellur, Y Saini, EA Grier, SM Ferguson-Miller, JJ LaPres. 2015. Hypoxia inducible factors modulate mitochondrial oxygen consumption and transcriptional regulation of nuclear-encoded electron transport chain genes. Biochemistry. 54(24):3739-3748. https://doi.org/10.1021/bi5012892

- 17. Tappenden DM, **SG Lynn**, A Vengellur, RB Crawford, NE Kaminski, RS Thomas, JJ LaPres. 2011. The aryl hydrocarbon receptor interacts with ATP5α1, a subunit of the ATP synthase complex, and modulates mitochondrial function. Toxicology and Applied Pharmacology. 254(3):299-310. https://doi.org/10.1016/j.taap.2011.05.004
- 18. Lynn SG, GK Wallat, JA Malison, BS Shepherd. 2011. Developmental expression and estrogen responses of endocrine genes in juvenile yellow perch (*Perca flavescens*). General and Comparative Endocrinology. 171(2):151-159. https://doi.org/10.1016/j.ygcen.2011.01.003
- 19. Forgacs AL, LD Burgoon, **SG Lynn**, JJ LaPres, TR Zacharewski. 2010. Effects of TCDD on the expression of nuclear encoded mitochondrial genes. Toxicology and Applied Pharmacology. 246(1-2):58-65. https://doi.org/10.1016/j.taap.2010.04.006
- 20. Brammell BF, IT Struewing, DM Klarer, **SG Lynn**. 2010. An evaluation of the ichthyofauna of Old Woman Creek estuary, a unique aquatic resource. Journal of Freshwater Ecology. 24(4):521-527. https://doi.org/10.1080/02705060.2009.9664328
- 21. Lynn SG, KA Powell, DF Westneat, BS Shepherd. 2009. Seasonal and sex-specific mRNA levels of key endocrine genes in adult yellow perch (*Perca flavescens*) from Lake Erie. Marine Biotechnology. 11(2):210-222. https://doi.org/10.1007/s10126-008-9136-3
- 22. **Lynn SG**, WJ Birge, BS Shepherd. 2008. Molecular characterization and sex-specific tissue expression of estrogen receptor α (*esr1*), estrogen receptor βa (*esr2a*) and ovarian aromatase (*cyp19a1a*) in yellow perch (*Perca flavescens*). Comparative Biochemistry and Physiology–Part B: Biochemistry and Molecular Biology. 149(1):126-147. https://doi.org/10.1016/j.cbpb.2007.09.001
- 23. Lynn SG and BS Shepherd. 2007. Molecular characterization and sex-specific tissue expression of prolactin, somatolactin and insulin-like growth factor-I in yellow perch (*Perca flavescens*). Comparative Biochemistry and Physiology Part B: Biochemistry and Molecular Biology. 147(3):412-427. https://doi.org/10.1016/j.cbpb.2007.02.005
- 24. Lynn SG, DJ Price, WJ Birge, SS Kilham. 2007. Effect of nutrient availability on the uptake of PCB congener 2,2',6,6'-Tetrachlorobiphenyl by a diatom (*Stephanodiscus minutulus*) and transfer to a zooplankton (*Daphnia pulicaria*). Aquatic Toxicology. 83(1):24-32. https://doi.org/10.1016/j.aquatox.2007.03.007
- 25. **Lynn SG** and Lindle C. 2002. The effect of anthropogenic habitat modification on habitat use by *Afrana angolensis* along the Dodwe River, Tanzania. African Journal of Herpetology. 51(1):69-73. https://doi.org/10.1080/21564574.2002.9635463
- 26. Rehage JS, **SG Lynn**, JI Hammond, BD Palmer, A Sih. 2002. Effects of larval exposure to triphenyltin on the survival, growth and behavior of larval and juvenile *Ambystoma barbouri* salamanders. Environmental Toxicology and Chemistry. 21(4):807-815. https://doi.org/10.1002/etc.5620210417
- 27. **Lynn SG**, SS Kilham, DA Kreeger, SJ Interlandi. 2000. Effects of nutrient availability on the biochemical and elemental stoichiometry of the freshwater diatom *Stephanodiscus minutulus* (Bacillariophyceae). Journal of Phycology. 36(3):510-522. https://doi.org/10.1046/j.1529-8817.2000.98251.x
- 28. Kilham SS, DA Kreeger, **SG Lynn**, CE Goulden, L Herrera. 1998. COMBO: A defined freshwater culture medium for algae and zooplankton. Hydrobiologia. 377:147-159. https://link.springer.com/article/10.1023/A:1003231628456
- 29. Kilham SS, DA Kreeger, CE Goulden, **SG Lynn**. 1997. Effects of algal food quality on fecundity and population growth rates of *Daphnia*. Freshwater Biology. 38(3):639-647. https://doi.org/10.1016/j.ecohyd.2023.08.006
- 30. Kilham SS, DA Kreeger, CE Goulden, **SG Lynn**. 1997. Effects of nutrient limitation on biochemical constituents of *Ankistrodesmus falcatus*. Freshwater Biology. 38(3):591-596. https://doi.org/10.1046/j.1365-2427.1997.00231.x
- 31. Kreeger DA, CE Goulden, SS Kilham, **SG Lynn**, S Datta, SJ Interlandi. 1997. Seasonal changes in the biochemistry of lake seston. Freshwater Biology. 38(3):539-554. https://doi.org/10.1046/j.1365-2427.1997.00233.x

Professional Activities

- Science Advisory Board (SAB) member for NeXED EU Marie Skłodowska-Curie Actions (MSCA) doctoral network training grant on Endocrine Disruptor Assessment. Mar 28, 2025.
- Expert panel reviewer for NC3R FET4Thyroid Crack It Challenge 46. Oct 2023 Jan 2024
- Member of the University of Kentucky Biology Department Alumni Board. September 2022 present
- EDSP representative on the European Union's EndocRine Guideline Optimisation (ERGO) initiative. Dec 2021 Dec 2024.
- Co-chair for HESI/NC3R workshop "Applying the 3Rs in Fish and Amphibian Endocrine Disruptor Testing" in London, UK on Feb 25-26, 2020.

Professional Society Participation

- Co-chair of the "Distinguishing Mode-of-Action-Specific Toxicity from Non-Specific Effects: An Endocrine Disruption Conundrum" platform and poster sessions at the SETAC North America 45th Annual Meeting at Fort Worth, TX. October 20-24, 2024.
- Elected to SETAC North America Board of Directors for a three-year term (2024-2027)
- Elected chair of the SETAC Endocrine Disruptor Testing and Risk Assessment (EDTRA) Interest Group (2024-2025).

- Leadership role (vice-, chair, past-) of the SETAC NA Science Committee (2022-2024)
- Co-chair of the "New Approach Methodologies, Enhanced Strategies and Best Practices for Identifying and Evaluating Endocrine System Adverse Effects" platform and poster sessions at the SETAC North America 44th Annual Meeting at Louisville, KY. November 12-16, 2023.
- Member of the Program Committee for the SETAC North America 44th Annual Meeting at Louisville, KY. November 12-16, 2023.
- Co-chair of the Program Committee for the SETAC North America 43rd Annual Meeting at Pittsburgh, PA. November 13-17, 2022.
- Co-chair of the "Enhanced Strategies and Best Practices for Identifying and Evaluating Endocrine System Adverse Effects" platform and poster sessions at the SETAC North America 43rd Annual Meeting at Pittsburgh, PA. November 13-17, 2022.
- Co-chair of the "New Approach Methodologies (NAMs) to evaluate endocrine pathways test development through regulation" session at the SETAC North America Annual Meeting (SETAC SciCon4). November 14-18, 2021.
- Co-chair of the "New Approach Methodologies for assessing endocrine disrupting properties AOPs, 3Rs, and population level approaches" session at the SETAC North America Annual Meeting (SETAC SciCon2). November 14-19, 2020.
- Co-chair of the "In Vitro to In Vivo Extrapolations: Advances and Applications for Risk Assessment" session at the SETAC North America 38th Annual Meeting at Minneapolis, MN USA. November 12-16, 2017.
- Co-chair of the "Reverse Toxicokinetics in Aquatic Organisms" session at the SETAC North America 36th Annual Meeting at Salt Lake City, Utah. November 1-5, 2015.
- Co-chair of the "Evaluating Endocrine Disrupting Chemicals: Identifying Species Differences and Approaches for Cross-Species Extrapolation" platform, interactive platform and poster sessions at the SETAC North America 35th Annual Meeting at Vancouver, Canada. November 9-13, 2014.
- Mid-career mentor volunteer at SETAC NA 35th Annual Meeting at Vancouver, Canada. November 9-13, 2014
- Member of the SETAC NA Science Committee (2013-present)
- Liaison on the SETAC NA Meeting Committee (2018-2021)
- Member of SETAC NA Membership Committee (2013-2018)
- Chair of the CPRC SETAC Communications Steering Committee. September 2013 to 2015
- Elected to Board of Directors of CPRC SETAC for two three-year terms (2013 2015; 2018-2020).
- Volunteer member of CPRC SETAC 2013 Annual Meeting planning committee.

Scientific Presentations with Abstracts (* designates presenting author)

- I Lea*, J Holt, E Bunnage, M Long, R Chew, S Bell, S Edwards, R Sayre, SMF Vliet, SG Lynn, KJ Markey. Society of Toxicology 64th Annual Meeting at Orlando, FL. March 16-20, 2025. Poster presentation (3409/J540): Integrated Computational Approaches in Systematic Evidence Mapping: Bridging Human Expertise and Machine Learning for Advanced Toxicological Assessments.
- P Ceger*, V Hench, J Abedini, B Cook, S Bell, S Edwards, K Markey, SG Lynn, SMF Vliet. Society of Toxicology 64th
 Annual Meeting at Orlando, FL. March 16-20, 2025. Poster presentation (4826/N680): Towards Increased Data
 Interoperability and Reuse: Applying Literature Review Data to the Adverse Outcome Pathway Framework.
- B Cook*, MD Nelms, D Harris, RJ Bever, SG Lynn, D Williams, S Borghoff, SW Edwards, KJ Markey. Society of
 Toxicology 64th Annual Meeting at Orlando, FL. March 16-20, 2025. Poster presentation: Identifying Structural
 Overlap Between EDSP Universe of Chemicals and ToxCast/Tox21 using Chemical Clustering and Uniform Manifold
 Approximation and Projection.
- M Long*, E Bunnage, R Chew, R Sayre, S Vliet, S Edwards, SG Lynn, KJ Markey. American Society for Cellular and Computational Toxicology (ASCCT) Annual Meeting at Research Triangle Park, NC. October 28-30, 2024. Poster presentation: Advances in Computational Tools to Support Systematic Evidence Mapping.
- VK Hench*, J Abedini, P Ceger, M Hattersly, SW Edwards, C Wittwehr, SG Lynn, KJ Markey, D Villeneuve. American Society for Cellular and Computational Toxicology (ASCCT) Annual Meeting at Research Triangle Park, NC. October 28-30, 2024. Poster presentation: Integrated Application and Transformation of the Adverse Outcome Pathway (AOP) Framework for Modeling Evidence and Advancing New Approach Methodologies (NAMs).
- TR Covington*, SJ Borghoff, SR Black, L Bacigalupi, S O'Neal, B Cook, MD Nelms, SW Edwards, RJ Bever, A Kamel, SG Lynn, KJ Markey. American Society for Cellular and Computational Toxicology (ASCCT) Annual Meeting at Research Triangle Park, NC. October 28-30, 2024. Poster presentation: Prediction of Chemical Suitability for Screening in a High-Throughput Assay Platform using an In Silico Mass Balance Model.
- P Ceger*, J Abedini, SM Bell, B Cook, S Edwards, V Hench, SG Lynn, KJ Markey, SMF Vliet. American Society for Cellular and Computational Toxicology (ASCCT) Annual Meeting at Research Triangle Park, NC. October 28-30, 2024. Poster presentation: Bringing Order to Chaos: Systematically Mapping Extracted Ecotoxicological Literature Data to Ontological Adverse Outcome Concepts.

- B Cook*, M Nelms, D Harris, RJ Bever, SG Lynn, S Borghoff, SW Edwards, KJ Markey. American Society for Cellular and Computational Toxicology (ASCCT) Annual Meeting at Research Triangle Park, NC. October 28-30, 2024. Poster presentation: Clustering Chemicals for Predicting Behavior and Hazards: Insights from the Endocrine Disruptor Screening Program (EDSP) Universe of Chemicals.
- J Holt*, R Chew, E Bunnage, I Lea, SJ Borghoff, R Sayre, SMF Vliet, S Edwards, SG Lynn, KJ Markey. American Society for Cellular and Computational Toxicology (ASCCT) Annual Meeting at Research Triangle Park, NC. October 28-30, 2024. Poster presentation: Categorizing Articles for Environmental Health Systematic Evidence Mapping: A Zero-Shot Machine Learning Approach Using Large Language Models.
- IA Lea*, SJ Borghoff, R Chew, S Bell, S Edwards, JL Vasko, M Lancaster, P-H Chen, A Thomas, R Sayre, SMF Vliet, RJ Bever, KJ Markey, SG Lynn. American Society for Cellular and Computational Toxicology (ASCCT) Annual Meeting at Research Triangle Park, NC. October 28-30, 2024. Poster presentation: Leveraging Computational Tools for Enhanced Human-in-the-Loop Systematic Evidence Maps.
- A Morgan, S Mayasich, JL Vasko, E Lent, D Fallacara, MM Mathis, DJ Fort, A Thomas, K Markey, SG Lynn*. Society
 of Environmental Toxicology and Chemistry (SETAC) North America 45th Annual Meeting at Fort Worth, TX.
 October 20-24, 2024. Platform presentation: A Systematic Literature Review of Fish Short Term Reproduction Assay
 (FSTRA) Studies.
- SMF Vliet*, JL Vasko, E Lent, A Thomas, K Markey, SG Lynn. Society of Environmental Toxicology and Chemistry (SETAC) North America 45th Annual Meeting at Fort Worth, TX. October 20-24, 2024. Platform presentation: Applications of the Semi-Automated Study Quality Assessment and Reporting Evaluation (SQuARE) Tool for Evaluating Dataset Quality and its Use Across Diverse Scientific Domains
- P Ceger*, J Abedini, B Cook, S Bell, K Markey, SMF Vliet, SG Lynn. Society of Environmental Toxicology and Chemistry (SETAC) North America 45th Annual Meeting at Fort Worth, TX. October 20-24, 2024. Poster presentation: Adapting Systematic Review Data to the Adverse Outcome Pathway Framework: Annotating Non-Mammalian In Vitro and In Vivo Androgen Receptor Data
- RJ Bever*, SG Lynn, M Perron, G Akerman, C Aubee. **American Chemical Society: Elevating Chemistry** at Denver, CO. August 18-22, 2024. Platform presentation: The use of new approach methodologies (NAMs) in the Endocrine Disruptor Screening Program (EDSP).
- BT Cook*, MD Nelms, T Antonijevic, C Ring, D Harris, RJ Bever, SG Lynn, D Williams, G Chappell, R Boyles, S
 Borghoff, SW Edwards, K Markey. American Chemical Society: Elevating Chemistry at Denver, CO. August 1822, 2024. Platform presentation: Chemistry Domain of Applicability Evaluation for Estrogen Receptor HighThroughput Assay-Based Activity Models.
- VK Hench*, SW Edwards, SG Lynn, K Markey, D Villeneuve. Bioinformatics Open Source Conference (BOSC) 2024
 at Montréal, Canada. July 15-16, 2024. Poster presentation: Integrated Application and Transformation of the Adverse
 Outcome Pathway (AOP) Framework for Modeling Evidence and Advancing New Approach Methodologies (NAMs).
- N Burden*, Y Gu, J Krzykwa, SG Lynn, V Mingo, CA Mitchell, D Poursina, ER Salinas, JR Wheeler. Society of
 Environmental Toxicology and Chemistry (SETAC) Europe 34th Annual Meeting at Seville, Spain. May 5-9, 2024.
 Poster presentation: Control Performance of Medaka Extended One Generation Test Designs.
- RJ Bever*, SW Edwards, T Antonijevic, MD Nelms, C Ring, D Harris, SG Lynn, D Williams, G Chappell, R Boyles, S. Borghoff, KJ Markey. Society of Toxicology 63rd Annual Meeting at Salt Lake City, UT. March 10-14, 2024. Poster presentation (P166): Optimizing androgen receptor prioritization using high-throughput assay-based activity models.
- N Burden*, J Krzykwa, **SG Lynn**, V Mingo, CA Mitchell, ER Salinas, JR Wheeler. **Society of Toxicology 63rd Annual Meeting** at Salt Lake City, UT. March 10-14, 2024. Poster presentation (P430): Control performance of medaka extended one generation test designs.
- SG Lynn*, IA Lea, J Urban, SJ Borghoff, D Wikoff, S Fitch, C Perry, N Choksi, G Chappell, J Britt, M Heintz, W Klaren, R Chew, S Edwards, RJ Bever, K Hamernik, AB Kirk, KJ Markey. Society of Toxicology 63rd Annual Meeting at Salt Lake City, UT. March 10-14, 2024. Poster presentation (P142): Development and application of a systematic approach to inventory and interrogate thyroid hormone network information.
- MD Nelms*, T Antonijevic, C Ring, D Harris, RJ Bever, SG Lynn, D Williams, G Chappell, R Boyles, S Borghoff, SW Edwards, K Markey. Society of Toxicology 63rd Annual Meeting at Salt Lake City, UT. March 10-14, 2024. Poster presentation (P165): Chemistry domain of applicability evaluation for estrogen receptor high-throughput assay-based activity models.
- P. Sadrpour*, **SG Lynn**, RS Judson, SO Simmons. **Society of Toxicology 63rd Annual Meeting** at Salt Lake City, UT. March 10-14, 2024. Poster presentation (P771): Evaluation of alternative estrogen activity assays for new computational models to support the Endocrine Disruption Screening Program.
- CA Mitchell*, MR Embry, JR Wheeler, L Weltje, KL Thorpe, HL Schoenfuss, SG. Lynn, S Glaberman, EM Mihaich, L Lagadic, Z Dang, E McDermott, N Burden. Society of Environmental Toxicology and Chemistry (SETAC) North America 44th Annual Meeting at Louisville, KY. November 12-16, 2023. Platform presentation: Evaluation of regulatory in vivo endocrine assays in fish and amphibians: current status and future needs.

- IA Lea*, SJ Borghoff, D Wikoff, S Fitch, J Urban, C Perry, G Chappell, N Choksi, J Britt, M Heintz, W Klaren, R Chew, S Edwards, RJ Bever, K Hamernik, AB Kirk, SG Lynn, KJ Markey. 12th Annual Meeting of the ASCCT at Silver Spring, MD. October 23-25, 2023. Poster presentation: Case Study Application of a Systematic Approach to Inventory and Interrogate Thyroid Hormone Network Information
- N Burden*, SG Lynn, V Mingo, C Mitchell, ER Salinas, JR Wheeler. Society of Environmental Toxicology and Chemistry (SETAC) Europe 33rd Annual Meeting at Dublin, Ireland. April 30 to May 4th, 2023. Poster presentation: Control Performance of Medaka Extended One Generation Test Designs.
- R Puglisi*, J Wheeler, A Bejarano, JC Wolf, S Glaberman, LLM. Lagadic, Z Gao, F Sewell, C Mitchell, SG Lynn, MR Embry. Society of Environmental Toxicology and Chemistry (SETAC) North America 43rd Annual Meeting at Pittsburgh, PA. November 13-17, 2022. Platform presentation: Control Performance of Amphibian Metamorphosis Assays with Xenopus laevis.
- SM Vliet*, SG Lynn, K Markey, C LaLone. Society of Environmental Toxicology and Chemistry (SETAC) North America 43rd Annual Meeting at Pittsburgh, PA. November 13-17, 2022. Poster presentation: Development of a Curated, Cross-Species Androgen Receptor Database.
- SG Lynn*. Society of Toxicology (SOT) 61st Annual Meeting at San Diego, CA. March 27-31, 2022. Invited Roundtable Discussant: Cross-Species Extrapolation: Opportunities in a 21st-Century Regulatory Nonanimal Testing World. Platform: Using New Approach Methodologies (NAMs) to extrapolate across species for endocrine disruptor screening and chemical safety assessments.
- P Ceger*, N Garcia-Reyero, D Allen, E Arnold, A Bergdale, R Bloom, JC Brennan, C Clarke, D Denton, W Eckel, K Eisenreich, K Fay, J Hamm, PFP Henry, K Horak, W Hunter, D Judkins, P Klein, N Kleinstreuer, K Koehrn, CA LaLone, JP Laurenson, JK. Leet, A Lowit, SG Lynn, T Norberg-King, EJ Perkins, EJ Petersen, L Phillips, BA Rattner, CS Sprankle, T Steeger, JE Warren, S Winfield, E Odenkirchen. Society of Environmental Toxicology and Chemistry (SETAC) North America Annual Meeting (SETAC SciCon4). November 14-18, 2021. Poster presentation: Determination of ecotoxicology testing needs among selected United States federal agencies.
- SG Lynn*, RJ Bever, KL Hamernik, KM Markey, SR Matten. Society of Environmental Toxicology and Chemistry (SETAC) North America Annual Meeting (SETAC SciCon4). November 14-18, 2021. Platform presentation: US EPA Endocrine Disruptor Screening Program (EDSP) update on implementation of NAMs.
- S Vliet*, SG Lynn, K Markey, CA LaLone. Society of Environmental Toxicology and Chemistry (SETAC) North America Annual Meeting (SETAC SciCon4). November 14-18, 2021. Platform presentation: Bridging the gap: Integrating systematic review strategies and new approach methodologies for the cross-species extrapolation of endocrine targets.
- K Markey*, K Fay, A Kirk, SG Lynn, A Shapiro, S Vilet, P Baumgartner, R Chew, D Henderson, A Adetona, M Austin, P Chen, M Gauthier, J Kay, M Lancaster, A Thomas, S Edwards, M Angrish. American Society for Cellular and Computational Toxicology (ASCCT) 10th Annual Meeting. October 12-14, 2021. Platform presentation: Machine learning pipelines to support automation of literature systematic methods for the development of alternative toxicological methods.
- A Kamel*, S Matten, SG Lynn, J Wolf, D Fort. Society of Environmental Toxicology and Chemistry (SETAC) North America Annual Meeting (SETAC SciCon2). November 15-19, 2020. Poster presentation: Amphibian Metamorphosis Assays of five chemicals to determine interference with the function of the hypothalamic-pituitary thyroid axis in *Xenopus laevis*.
- SG Lynn*, I.R. Schutz, BA Wetmore, SR Matten, SR Black. Society of Environmental Toxicology and Chemistry (SETAC) North America Annual Meeting (SETAC SciCon2). November 15-19, 2020. Platform presentation: Measurement and comparison of plasma protein binding, fraction unbound (fu), using plasma from humans, rats, and rainbow trout.
- S Thoms*, C Maurice, B Shephard, D Charters, SG Lynn, J Mills, B Pluta, B Sanchez, T Gibeau, B Thomas. Society of Environmental Toxicology and Chemistry (SETAC) Annual Meeting (SETAC SciCon2). November 15-19, 2020. Poster presentation: Developing ecological screening values (ESVs) in surface water, sediment, and soil.
- S Vliet*, SG Lynn, K Markey, CA LaLone. Society of Environmental Toxicology and Chemistry (SETAC) North America Annual Meeting (SETAC SciCon2). November 15-19, 2020. Platform presentation: Gathering evidence of endocrine pathway conservation for cross-species extrapolation using new approach methods.
- S Vliet*, K Markey, SG Lynn, CA LaLone. Society of Environmental Toxicology and Chemistry (SETAC) Europe 30st Annual Meeting (SETAC SciCon). May 3-7, 2020. Poster presentation: A weight-of-evidence approach for androgen receptor conservation across vertebrate species.
- SR Black, JW Nichols, KA Fay, SR Matten, SG Lynn*. Society of Environmental Toxicology and Chemistry (SETAC) North America 40th Annual Meeting at Toronto, Canada. November 3-7, 2019. Platform presentation: Evaluation and comparison of intrinsic metabolic clearance using isolated hepatocytes from humans, rats, and rainbow trout.

- SR Matten, A Kamel, SG Lynn*. Society of Environmental Toxicology and Chemistry (SETAC) North America 40th Annual Meeting at Toronto, Canada. November 3-7, 2019. Platform presentation: Medaka Extended One-Generation Reproduction Test (MEOGRT): 2-Ethylhexyl 4-hydroxybenzoate, Bisphenol A, and Dibutyl phthalate.
- K Hamernik*, SR Matten, RJ Bever, A Kamel, SG Lynn. Society of Toxicology (SOT) 58th Annual Meeting at Baltimore, MD. March 10-14, 2019. Poster presentation: Comparative analysis of potential effects of triclosan in three model fish species and *Xenopus laevis*.
- A Kamel*, S Matten, SG Lynn. Society of Environmental Toxicology and Chemistry (SETAC) North America 39th
 Annual Meeting at Sacramento, CA. November 4-8, 2018. Platform presentation: Comparison between the sensitivities
 of US EPA Endocrine Disruptor Screening Program's Tier 1 and Tier 2 Assays for perturbation to the hypothalamic pituitary-thyroid axis in *Xenopus laevis* amphibians.
- SG Lynn*, RJ Bever, KL Hamernik, AS Kamel, SR Matten. Society of Environmental Toxicology and Chemistry (SETAC) North America 39th Annual Meeting at Sacramento, CA. November 4-8, 2018. Platform presentation: Cross species comparative analysis of Fish Short Term Reproduction Assay (FSTRA) data for the Endocrine Disruptor Screening Program (EDSP).
- SG Lynn*, SM Matten, SM Black. Society of Environmental Toxicology and Chemistry (SETAC) 38th Annual Meeting at Minneapolis, MN USA. November 12-16, 2017. Platform presentation: Cross species comparative analysis of *in vitro* assays supporting IVIVE for the EDSP.
- P Browne*, R Judson, A Dixon, N Kleinstreuer, W Casey, DR Bergfelt, TD Green, R Kent, SG Lynn, L Touart, R
 Thomas. Society of Toxicology (SOT) 54th Annual Meeting at San Diego, CA USA. March 22-26, 2015. Platform
 presentation: Use of Computational Toxicology for Integrated Bioactivity-Exposure Prioritization of the EDSP
 Chemical Universe.
- SG Lynn*, MW Hornung, ME Gilbert, SJ Degitz, KM Crofton. Society of Environmental Toxicology and Chemistry (SETAC) 35th Annual Meeting at Vancouver, Canada. November 9-13, 2014. Poster presentation: Strengthening the Ability to Screen for Thyroid Disrupting Chemicals under EDSP.
- P Browne*, R Judson, A Dixon, N Kleinstreuer, W Casey, K Crofton, SG Lynn, J Wambaugh, R Thomas. US EPA's Chemical Safety Research: Second ToxCast Data Summit at EPA Research Triangle Park Campus, NC USA. September 29-30, 2014. Poster presentation: Endocrine Bioactivity and Exposure-Based Prioritization and Screening.
- S Dinehart*, SL Hicks, RK Kropp, **SG Lynn**. **Society of Environmental Toxicology and Chemistry (SETAC)** North America Focused Topic Meeting: Endocrine Disruption at Research Triangle Park, NC USA. February 4-6, 2014. Poster presentation: Performance of Larval Amphibian Growth and Development Assays using Xenopus laevis following the Organisation for Economic Co-operation and Development Draft Guideline.
- SG Lynn*, P Browne, DR Bergfelt, AE Dixon. Society of Environmental Toxicology and Chemistry (SETAC) 34th Annual Meeting at Nashville, TN USA. November 17-21, 2013. Poster presentation: EDSP21: Activity testing using *in vitro* approaches covering multiple endocrine pathways.
- LW Touart*, P Browne, **SG Lynn**, MK Manibusan. **Society of Environmental Toxicology and Chemistry (SETAC)** 34th Annual Meeting at Nashville, TN USA. November 17-21, 2013. Platform presentation: Validation of EPA's EDSP Tier 2 Ecotoxicity Test Methods.
- MD Kirtland*, M Eckstein, DK Peyton, BF Brammell, AJ Wigginton, **SG Lynn**. **National Collegiate Honors Council** at New Orleans, LA USA. November 6-10, 2013. Poster presentation: Gene expression in native sunfish as a biomarker of contaminant exposure.
- MD Kirtland*, M Eckstein, DK Peyton, BF Brammell, AJ Wigginton, SG Lynn. Southern Regional Honors Conference at Louisville, KY USA. April 4-6, 2013. Poster presentation: Gene expression in native sunfish as a biomarker of contaminant exposure.
- MD Kirtland*, M Eckstein, DK Peyton, BF Brammell, AJ Wigginton, SG Lynn. Kentucky Academy of Science (KAS)
 98th Annual Meeting at Richmond, KY USA. October 19-20, 2012. Poster presentation: Gene expression in native sunfish as a biomarker of contaminant exposure.
- SG Lynn*. Society for *In Vitro* Biology (SIVB) World Congress at Bellevue, WA USA. June 3-7, 2012. Invited Platform presentation: EDSP21: The Incorporation of *In Silico* Models and *In Vitro* High Throughput Assays in the Endocrine Disruptor Screening Program (EDSP) for Prioritization and Screening.
- MD Kirtland*, BF Brammell, DK Peyton, KR Barnett, JC Ferrell, **SG Lynn**, AJ Wigginton. **Morehead State**University's **Student Scholarship Annual Celebration** at Morehead, KY USA. April 25, 2012. Poster presentation:

 Use of gene expression in caged zebrafish (*Danio rerio*) and native sunfish (*Lepomis*) as a biomarker of contaminant exposure.
- BF Brammell, DK Peyton, KR Barnett, JC Ferrell, J Walker, **SG Lynn***, AJ Wigginton. **Society of Environmental Toxicology and Chemistry (SETAC)** 32nd Annual Meeting at Boston, MA USA. November 12-18, 2011. Poster presentation: Use of gene expression in longear sunfish (*Lepomis megalotis*) and green sunfish (*Lepomis cyanellus*) as a biomarker of polychlorinated biphenyl and metal exposure.

- BF Brammell*, DK Peyton, KR Barnett, JC Ferrell, **SG Lynn**, AJ Wigginton. **Kentucky Academy of Science** (<u>KAS</u>) 97th **Annual Meeting** at Murray, KY USA. Nov. 4-5, 2011. Poster presentation: Use of gene expression in caged zebrafish (*Danio rerio*) and native sunfish (*Lepomis*) as a biomarker of contaminant exposure.
- DM Tappenden, SG Lynn, RB Crawford, NE Kaminski, RS Thomas, JJ LaPres*. Society of Toxicology (SOT) 50th Annual Meeting at Washington, DC USA. March 6-10, 2011. Poster presentation: The Aryl Hydrocarbon Receptor Interacts with ATP5α1, a Subunit of the ATP Synthase Complex, and Modulates Mitochondrial Function
- AL Forgacs*, LD Burgoon, SG Lynn, JJ LaPres, TR Zacharewski. Society of Toxicology (SOT) 49th Annual Meeting at Salt Lake City, Utah USA. March 7-11, 2010. Platform presentation: Effects of TCDD on the expression of nuclear encoded mitochondrial genes.
- SG Lynn*, JA Malison, WJ Birge, BS Shepherd. International Society of Environmental Bioindicators (<u>ISEBI</u>) 14th Annual Meeting at Baltimore, Maryland USA. April 24-26, 2006. Invited platform presentation: Developing molecular tools in yellow perch: Effects of 17β-estradiol on key endocrine genes.
- SG Lynn*, JA Malison, BS Shepherd, WJ Birge. Society of Environmental Toxicology and Chemistry (SETAC) 26th Annual Meeting at Baltimore, Maryland USA. November 13-17, 2005. Platform presentation: Cloning, tissue-specific expression and responses to 17β-estradiol of key endocrine genes in yellow perch (*Perca flavescens*).
- SG Lynn*. American Society of Ichthyology and Herpetology (<u>ASIH</u>) 85th Annual Meeting at Tampa, Florida USA. July 6-11, 2005. Platform presentation: Seasonal expression of key endocrine genes in Lake Erie yellow perch (*Perca flavescens*).
- SG Lynn*, DJ Price, WJ Birge, SS Kilham. Society of Environmental Toxicology and Chemistry (SETAC) Europe 14th Annual Meeting at Prague, Czech. April 18-23, 2004. Poster presentation: Uptake of PCB Congener 2,2',6,6'-Tetrachlorobiphenyl in Nutrient Controlled Diatoms (Stephanodiscus minutulus) and Transfer to a Zooplankton (Daphnia pulicaria).
- SG Lynn*, BS Shepherd. World Aquaculture Society (<u>WAS</u>) Triennial Meeting at Honolulu, Hawaii USA. March 1-5, 2004. Invited platform presentation: Cloning and expression studies of pituitary endocrine genes in yellow perch (*Perca flavescens*).
- SG Lynn*, GM Weber, BS Shepherd. Kentucky Academy of Science (KAS) 88th Annual Meeting at Highland Heights, Kentucky USA. November 7-9, 2002. Invited platform presentation: Complementary DNA cloning and expression studies of the pituitary hormones growth hormone, prolactin, and somatolactin in the yellow perch (*Perca flavescens*).
- SG Lynn*, BS Shepherd. Ohio Valley Chapter (<u>OVC</u>) of the Society of Environmental Toxicology and Chemistry (<u>SETAC</u>) 19th Annual Meeting at Louisville, Kentucky USA. May 16-17, 2002. Poster presentation: Herbicide body burdens and endocrine profiles of yellow perch in Old Woman Creek Estuarine Research Reserve and Lake Erie.
- SG Lynn*, C Lindle. American Society of Ichthyology and Herpetology (<u>ASIH</u>) 81st Annual Meeting at University Park, Pennsylvania USA. July 5-10, 2001. Poster presentation: Habitat use by *Rana angolensis* along the Dodwe River in the East Usambara Mountains, Tanzania.
- AE McDaniels*, **SG Lynn**. **American Society for Microbiology** (<u>ASM</u>) **101**st **Annual Meeting** at Orlando, Florida USA. May 20-24, 2001. Poster presentation: Recovery of *Helicobacter pylori* from water by immunomagnetic capture.
- SG Lynn*, JS Rehage, A Sih, BD Palmer. Society of Environmental Toxicology and Chemistry (<u>SETAC</u>) 21st

 Annual Meeting at Nashville, Tennessee USA. November 12-16, 2000. Platform presentation: Effects of triphenyltin on growth and development in the salamander *Ambystoma barbouri*.
- SG Lynn*, JS Spromberg. American Society of Ichthyology and Herpetology (<u>ASIH</u>) 79th Annual Meeting at University Park, Pennsylvania USA. June 24-30, 1999. Poster presentation: The bioaccumulation of organic xenobiotics in frogs: A physiologically-based toxicokinetic (PBTK) model.
- SG Lynn*, SS Kilham, DA Kreeger, CE Goulden. Pocono Comparative Lakes Program (PCLP) Annual Meeting at Lake Ariel, Pennsylvania USA. October 18-19, 1996. Platform presentation: Effects of algal food quality on zooplankton fecundity and population growth rates.
- SG Lynn*, SS Kilham, DA Kreeger, CE Goulden. Pocono Comparative Lakes Program (PCLP) Annual Meeting at Lake Ariel, Pennsylvania USA. October 6-7, 1995. Platform presentation: Effects of nutrient limitation on biochemical constituents of *Ankistrodesmus falcatus*.

Non-Peer Reviewed Publications

- Lynn SG, JJ LaPres and K Studer-Rabeler. 2011. Oxygen Monitoring in Cell Culture. Genetic Engineering News. 31(6):52-53. LINK
- Lynn SG and JJ LaPres. 2009. Online Oxygen Monitoring in Cell Culture: Effects of mitochondrial modulators on O₂ dynamics of mammalian cells. PreSens Precision Sensing Application Note. LINK
- Lynn SG. 2009. Identification Manual of Fishes found in Old Woman Creek (OWC) National Estuarine Research Reserve (NERR) and State Nature Preserve (SNP). Old Woman Creek Educational Resource.

Volunteer/Community Service, Miscellaneous Achievements and Other Synergistic Activities

- Volunteer Judge for MacFarland Middle School Science Fair in Washington, DC. December 14, 2011
- 2nd place Faculty/Staff category for the 10th Annual MSU Global Focus photography contest. November 17th, 2008 LINK
- Time Magazine's "2006 Person of the Year" December 13th, 2006 LINK
- Volunteer Judge for the 3rd Annual Kentucky Science and Engineering Fair in Richmond, KY. April 2nd, 2005
- Volunteer Judge for the 1st Annual Kentucky Science and Engineering Fair in Richmond, KY. March 27th, 2004
- Volunteer Judge for the Glendover Elementary School Science Fair in Lexington, KY. January 22nd, 2004
- Volunteer Judge for the 53rd International Science and Engineering Fair in Louisville, KY. May 12-18th, 2002
- PADI Open Water Diver SCUBA certification, October 13th, 1999

Awards, Fellowships and Grants

- U.S. Environmental Protection Agency (EPA) Bronze Medal for Commendable Service. Acknowledgement for Endocrine Disrupter Screening Program Near-Term Strategies and Data Call-In Team. January 2024
- U.S. Environmental Protection Agency (EPA) Bronze Medal for Commendable Service. Acknowledgement for Weight of Evidence in Ecological Assessment. November 2017
- U.S. Environmental Protection Agency (EPA) Silver Medal for Superior Service. Acknowledgement for work performed in support of the EDSP. December 2016
- U.S. Environmental Protection Agency (EPA) Silver Medal for Superior Service. Acknowledgement for work performed in support of the EDSP. July 2014
- U.S. Environmental Protection Agency (EPA) Superior Accomplishment Recognition Award. Internal EPA achievement award which recognizes exceptional work with monetary and time off compensation. April 2012.
- National Research Council (NRC) Research Associateship Program (RAP) <u>Award</u>. Internationally competitive award to outstanding scientists to conduct research at a sponsoring federal laboratory or affiliated institution. US Environmental Protection Agency Duluth, MN. January 2011. Declined.
- Research Council of Norway (RCN) Project 196442 Collaborating Partner "Climate change, emerging pollutants and reproduction dysfunction in fish: Linking climate change with pollution and biological consequences" March 2010 to 2013 (link)
- Council for International Exchange of Scholars US Norway Fulbright Scholar <u>Fellowship</u>. Nationally competitive fellowship awarded to US scholars chosen for their academic merit and leadership potential to conduct research and increase understanding in other countries. January to July 2010.
- Elsevier/Society for Environmental Toxicology and Chemistry Best Student Platform Presentation <u>Award</u>, Co-Winner. Awarded to best student presentation at the national SETAC meeting. November 2005.
- Ohio Valley Chapter (OVC) Society for Environmental Toxicology and Chemistry Student Travel <u>Award</u>. Encourages participation of student members in annual SETAC meeting. November 2005.
- Society for Environmental Toxicology and Chemistry Student Travel <u>Award</u>. Encourages participation of student members in annual SETAC meeting. November 2005.
- University of Kentucky Graduate School Commonwealth Research <u>Award</u>. Supports outstanding graduate students to present cutting-edge research at the premier conference of the student's discipline. Spring 2004.
- University of Kentucky Graduate School Dissertation Enhancement <u>Award</u>. Supports doctoral research being pursued at a site distant from campus for post-qualifying examination student. July to December 2003.
- American Museum of Natural History Lerner-Gray Fund for Marine Research <u>Award</u>. Analysis of Leatherback sea turtle (*Dermochelys coriacea*) eggs for potential endocrine disrupting compounds (EDCs), including pesticides, PCBs, PBBs and PBDEs. August 2002 to July 2003.
- University of Kentucky Graduate School Graduate Student Incentive Program <u>Fellowship</u>. Awards graduate student recipients of nationally competitive grants. June 2002 to May 2005.
- National Estuarine Research Reserve Graduate Research <u>Fellowship</u>. Atrazine body burdens and endocrine correlates in channel catfish (*Ictalurus punctatus*) and yellow perch (*Perca flavescens*) from Old Woman Creek (OWC) National Estuarine Research Reserve and Lake Erie. June 2002 to May 2005.
- University of Kentucky Department of Biology Ribble <u>Award</u>. Sponsored recipient for a Tropical Biology Association field ecology course in Tanzania. September 1999.
- University of Kentucky Graduate School Academic Year <u>Fellowship</u>. Supplemental stipend award based on academic and professional qualifications. August 1998 to May 1999.

Ad-Hoc Reviewer

Scott G. Lynn – CV page 10

Comparative Biochemistry and Physiology –A,B,C; Ecotoxicology and Environmental Safety; Environmental Toxicology and Chemistry; General and Comparative Endocrinology; Journal of Comparative Physiology – B; Molecular Biology Reports; Toxicology; Toxicology

Academic Teaching, Service and Mentorship

Environmental Science & Technology, University of Maryland

Jan 2015 to Jun 2020

Primary co-instructor for ENST 445 Ecological Risk Assessment

Environmental Science & Technology, University of Maryland Jan 2016 to Jan 2025

Appointed as Special Graduate Faculty

<u>16th Annual Gemstone Honors Program Thesis Conference</u>
April 17th, 2015

Expert Discussant for Team Bass: Appropriateness of Largemouth Bass

(Micropterus salmoides) as a model species for detection of endocrine disruption

<u>Department of Biology, University of Kentucky</u>

Teaching assistant for animal physiology, genetics, comparative anatomy, introductory biology lab

Student Support Services, University of Kentucky

Jan 2001 to May 2002

Tutor in biology for disadvantaged undergraduate students

Department of Bioscience, Drexel UniversityApr 1996 to Mar 1998

Teaching assistant for aquatic ecology, terrestrial ecology, introductory biology lab

Published GenBank Sequences

- Lynn SG and BS Shepherd. 2007. Perca flavescens ovarian aromatase (cyp19a1a) mRNA. DQ984126.
- Lynn SG and BS Shepherd. 2007. Perca flavescens estrogen receptor βa (esr2a) mRNA. DQ984125.
- Lynn SG, WJ Birge and BS Shepherd. 2007. Perca flavescens estrogen receptor α (esr1) mRNA. DQ984124.
- Lynn SG and BS Shepherd. 2007. Perca flavescens insulin-like growth factor-II (IGF-II) mRNA. DQ984123.
- Lynn SG, AR Scholik, HY Yan and BS Shepherd. 2004. *Pimephales promelas* heat shock cognate 70 kDa protein (HSP70) mRNA. <u>AY538777</u>.
- Struewing IT, SG Lynn and BS Shepherd. 2003. Ambystoma barbouri growth hormone (GH) mRNA. AY333114.
- Lynn SG, IT Struewing and BS Shepherd. 2003. Ambystoma barbouri prolactin (PRL) precursor mRNA. AY332494.
- Lynn SG, JJ Arambasik and BS Shepherd. 2003. Perca flavescens β-actin mRNA. AY332493.
- Lynn SG and BS Shepherd. 2003. Perca flavescens insulin-like growth factor-Ib (IGF-Ib) precursor mRNA. AY332492.
- Lynn SG, CP Bennett and BS Shepherd. 2003. Perca flavescens prolactin (PRL) precursor mRNA. AY332491.
- Lynn SG and BS Shepherd. 2003. Perca flavescens somatolactin (SL) precursor mRNA. AY332490.

Professional Development Courses

- Stepping Up to Supervision. Workforce Development Strategy, US EPA. March 11-12th, 2015.
- Statistics 2: ANOVA and Regression. The SAS Institute. February 19-21st, 2014.
- Statistics 1: Introduction to ANOVA, Regression, and Logistic Regression. The SAS Institute. August 15-16th, 2013.
- Basic Project Management I (FAC-102). The Training Institute of Washington D.C. August 16-18th, 2011
- Certification in "Responsible Conduct of Research and Scholarship" from MSU Graduate School. October 5th, 2009