

Jacqueline E. McLaughlin, Ph.D., M.S.

322 Beard Hall; 301 Pharmacy Lane; Chapel Hill, NC 27599

jacqui_mclaughlin@unc.edu; 919-966-4557

EDUCATION

Doctor of Philosophy, Educational Research and Policy Analysis

North Carolina State University, May 2012

An Examination of the Influence of Institutional Context on Academic Progress Rates at Division I Institutions: A Multilevel Approach

Dissertation Committee Chair: Dr. Tamara V. Young

Master of Science, Biomedical Engineering

University of Memphis/University of Tennessee Health Science Center, May 2002

Experimental Tachycardias in Genetically Altered Mice

Bachelor of Science, Biological Engineering

North Carolina State University, May 1999

Concentration: Biomedical Engineering

PROFESSIONAL EXPERIENCE

Associate Professor with Tenure, *University of North Carolina, Chapel Hill, NC*, 2013 (Assistant Professor) – present; promotion to Associate with Tenure in 2019

UNC Eshelman School of Pharmacy

Work independently and collaboratively on educational innovation and research within pharmacy, health professions, and higher education; identify grant opportunities, design and implement studies, analyze data, prepare manuscripts, and present findings locally, nationally, and internationally; teach in professional and graduate degree programs; serve as a mentor for doctor of pharmacy students, graduate students, undergraduate interns, postgraduate fellows, and pharmacy residents.

Adjunct Senior Lecturer, *Monash University, Australia*, 2018 – present

Faculty of Pharmacy and Pharmaceutical Sciences

Design, lead, and engage in research opportunities within pharmacy and pharmaceutical sciences education; contribute to development of key educational initiatives; promote educator development in the scholarship of education; mentor students in research.

Director, Center for Pharmacy Innovation in Education and Research (CIPhER), *University of North Carolina, Chapel Hill, NC*, 2017 (Director of Education Research and Scholarship) – present; promotion to Director in 2018

UNC Eshelman School of Pharmacy

Design, coordinate, and lead programs aimed at promoting teaching and learning effectiveness in health professions and graduate education; build partnerships within and beyond UNC that extend the scope and impact of teaching and education research; oversee the development of a research agenda designed to advance pharmacy education as an innovator and leader; document, evaluate, and communicate the research and scholarly activities and achievements promoted and supported by CIPhER and the School; mentor CIPhER-supported fellows and students.

Adjunct Research Assistant Professor, *UNC School of Education, Chapel Hill, NC*, 2016 – present

Advise and mentor graduate students in the Learning Sciences & Psychological Studies program; oversee research projects by graduate students conducted in the UNC Eshelman School of Pharmacy; serve on faculty search committees; support development of Certificate in Health Sciences Education; participate in bi-weekly seminars.

Director, Office of Strategic Planning and Assessment, University of North Carolina, Chapel Hill, NC, 2013
(Associate Director) – 2017; promotion to Director in July 2014

UNC Eshelman School of Pharmacy

Directed all aspects of the Office of Strategic Planning and Assessment; designed and implemented instruments for assessment and evaluation, oversaw survey management, administered course evaluations, facilitated faculty activity reporting, compiled benchmarking data, conducted data analyses, prepared reports, and contributed to policy development.

Post-Doctoral Fellow, University of North Carolina, Chapel Hill, NC, 2012-2013

Assisted in all aspects of the Office of Strategic Planning and Assessment at the UNC Eshelman School of Pharmacy; designed and implemented instruments for assessment and evaluation, identified grant opportunities, prepared manuscripts for publication, collaborated on educational research studies, conducted data analyses, and contributed to policy development.

Teaching Assistant, North Carolina State University, Raleigh, NC, 2011-2012

ED 711: Advanced Quantitative Methods

ELP 780: Evaluation Theory and Research

Department of Leadership, Policy and Adult and Higher Education: Assisted faculty with course preparation and grading. Designed rubrics and presented material on logic models, evaluator bias, data analysis, and quantitative methodology.

Research Assistant, Midwestern University, Glendale, AZ, 2011-2012

Conducted research examining the impact of financial literacy education. Designed and conducted surveys, led focus groups, and collected financial aid data. Analyzed data using quantitative and qualitative research methods. Findings presented at annual conference and used to inform practice.

Research Assistant, University of Memphis, Memphis, TN, 1999-2002

Using quantitative research methods, designed and carried out studies to investigate fibrillation and heart rate variability. Built instrumentation and wrote LabView programming. Conceptualized and manufactured instrumentation for pediatrics.

HONORS AND AWARDS

- 2021 **2021 Paul R. Pintrich Outstanding Dissertation Award**, American Psychological Association
(*dissertation committee member for winner Nikki Lobczowski, PhD*)
- 2021 **Top Scholar (#1)** in Pharmacy Education over the past 10 years, Expertscape:
<https://expertscape.com/ex/education%2C+pharmacy/c/us>
- 2021 **Best Presentation**, UNC Eshelman School of Pharmacy Research and Graduate Retreat, Research in the Time of COVID (*joint with Faustina Hahn, PharmD and Simon Albon, PhD*)
- 2020 **Top 25 Reviewer (#12)**, American Journal of Pharmaceutical Education
- 2020 **Best Poster**, American Association of Colleges of Pharmacy Social and Administrative Services Section (*joint with Carly Lupton-Smith, Adam Persky, PhD, Rob Hubal, PhD, and Erica Bell*)
- 2020 **Finalist, Best Paper**, Rufus A. Lyman Award for best paper published in American Journal of Pharmaceutical Education (*joint with Laura Rhodes, PharmD, Macary Marciniak, PharmD, Carlos Melendez, PhD, Kim Leadon, and Nicole Pinelli, PharmD*)
- 2019 **Best Poster**, American Association of Colleges of Pharmacy Social and Administrative Services Section (*joint with Lana Minshew, PhD, Jeff Aube, PhD, Wendy Cox, PharmD, Daniel Gonzalez, PhD, Nicolas Klus, Kelsey Lamb, and Kim Brouwer, PharmD, PhD*)
- 2018 **Best Graduate Student Poster**, American Association of Colleges of Pharmacy (Advisor and co-presenter with Michael Wolcott, PharmD)
- 2017 **Emerging Scholar of Teaching and Learning Award**, American Association of Colleges of Pharmacy
- 2017 **Excellence in Assessment Award**, American Association of Colleges of Pharmacy (*joint with Thomas Angelo, EdD, Heidi Anksorus, PharmD, Kathryn Fuller, PharmD, Jessica Greene, PharmD, Adam Persky, PhD*)
- 2015-2017, 2019-2021 **Worthy of Recognition** (for Teaching Excellence), UNC Eshelman School of Pharmacy
- 2015-2017, 2019, 2021 **Academic Excellence Award**, UNC Eshelman School of Pharmacy
- 2015 **New Investigator Award**, American Association of Colleges of Pharmacy

- 2015 **Best Institutional E-Factbook**, Southern Association of Institutional Research (*as part of the UNC Eshelman School of Pharmacy Office of Strategic Planning and Assessment*)
- 2011 **First Place & People's Choice Award**, "The Academic Progress Rate and NCAA Basketball: Measuring Institutional Effects." NC State Department of Leadership, Policy, Adult and Higher Education Poster Symposium
- 2002 **First Place**, "Experimental Tachycardias in Mice Lacking VLCAD." Tennessee Biomedical Engineering Conference
- 1999-2001 **Herff College of Engineering Fellowship Recipient**
- 1997, 1999 **National Science Foundation Research Experience for Undergraduates**

BIBLIOGRAPHY & PRODUCTS OF SCHOLARSHIP

BOOKS AND CHAPTERS

1. ***McLaughlin, J.E.**, Roth, M.T., and Mumper, R. J. (2021). The flipped classroom: Making time for strategic active learning. In Fornari, A. and Poznanski, A. (Eds.), *Active Learning Strategies for Large Classroom Sessions* (pp. 9-17). International Association of Medical Science Educators. Springer, Cham.
2. ***McLaughlin, G.W.**, **McLaughlin, J.S.**, and **McLaughlin, J.E.** (2018). Higher education institutional rankings: Evaluating their credibility for branding and marketing. In Papadimitriou, A. (Ed.), *Competition in Higher Education Branding and Marketing: National and Global Perspectives* (pp. 221-237). Palgrave Macmillan.
3. ***McLaughlin, G.W.**, **McLaughlin, J.E.**, and **McLaughlin, J.S.** (2013). Diversity indices: Research on metrics for measuring diversity in US higher education. In Huber, N., Pohlenz, P., and Krempkow, R. (Eds.), *Diversity in Science* (pp. 185-204). Berlin: UVW-Verlag.

REFEREED PAPERS (^{*}*Corresponding Author*, [†]*Student Author*, [‡]*Postdoctoral Fellow*)

Citation statistics from Google Scholar as of December 31, 2021: *h-index: 23; Citations: 3622*

1. [†]Minshew, L.M., Olsen, A.A., and ***McLaughlin, J.E.** (2021). Cognitive apprenticeship in STEM graduate education: A qualitative review of the literature. *AERA Open*.
<https://www.openicpsr.org/openicpsr/project/149741/version/V1/view>
2. ^{**†}Vest, T.A., [†]Simmons, A., Morbitzer, K.A., **McLaughlin, J.E.**, Cicci, J., Clarke, M., Valgus, J., Falato, C., and Waldron, K. (2021). Decision-making framework for an acute care clinical pharmacist productivity model: part 1. *American Journal of Health-System Pharmacy*, 78, 1402-1409. doi.org/10.1093/ajhp/zxab194.
3. [†]Minshew, L.M., Zeeman, J., Olsen, A.A., Bush, A., Patterson, H. and ***McLaughlin, J.E.** (2021). Qualitative evaluation of a junior faculty team mentoring program. *American Journal of Pharmaceutical Education*, 85(4), Article 8281.
4. ***McLaughlin, J.E.**, Tropsha, A., Nicolazzo JA, Crescenzi A, and Brouwer KLR. (In Press, 2021). Moving towards FAIR data practices in pharmacy education. *American Journal of Pharmaceutical Education*.
5. ***McLaughlin, J.E.**, Bobbitt, L., Angelo, T., and Cox, W. (In Press, 2021). Content, costs, and characteristics of U.S. prepharmacy curricula. *Currents in Pharmacy Teaching and Learning*.
6. [†]Dorszynski, A., [†]Lee, E., [†]Ton, M., [†]Mintz, A., **McLaughlin, J.E.**, and ^{*}Jarstfer, M.B. (In Press, 2021). Analysis of Virtual Pharmacopedia, an online educational database housing student developed, expert-reviewed modules for PharmD curricular expansion. *Currents in Pharmacy Teaching and Learning*.
7. ^{**}Lobczowski, N., Lyons, K., Greene, J., and **McLaughlin, J.E.** (2021). Socially shared metacognition in a project-based learning environment: A comparison study. *Learning, Culture, and Social Interaction*, 30, 100543.
8. [†]Olsen, A., Wolcott, M., Haines, S., Janke, K.K. and ***McLaughlin, J.E.** (2021). How to use the Delphi Method to aid in decision making and build consensus in pharmacy education. *Currents in Pharmacy Teaching and Learning*, 13(10), 1376-1385.

9. Rhodes, L., *Marciniak, M.W., **McLaughlin, J.E.**, and Pinelli, N.R. (2021). Leveraging an implementation fidelity framework to assess quality in experiential education. *American Journal of Pharmaceutical Education*, 85(4), Article 8302.
10. †Minshew, L.M., *Williams, C., Dinkins, M.M., Haltom, W.R., Brown, P., and **McLaughlin, J.E.** (2021). Developing a process to manage challenges encountered by experiential education administrators. *Currents in Pharmacy Teaching and Learning*, 13(4), 318-326.
11. *Savage, A., †Minshew, L.M. Anksorous, H., and **McLaughlin, J.E.** (2021). Remote OSCE experience: What first year pharmacy students liked, learned, and suggested for future implementations. *Pharmacy*, 9(1), 62-71.
12. †Lobczowski, N.G., †Lyons, K., Greene, J.A., and **McLaughlin, J.E.** (2021). Socioemotional regulation strategies in a project-based learning environment, *Contemporary Educational Psychology*, 6, 101968. doi: <https://doi.org/10.1016/j.cedpsych.2021.101968>.
13. *Morbiter, K.A., Olsen, A.A., and **McLaughlin, J.E.** (2021). A mapping review of teamwork training in pharmacy education. *American Journal of Pharmaceutical Education*, 85(3), Article 8356.
14. Schellhase E., Miller, M., Malhotra, J., Dascanio, S., **McLaughlin, J.E.**, and *Steeb, D. (2021). Development of a global health learning progression model. *Pharmacy*, 9(2), doi:10.3390/pharmacy9010002.
15. †Colmenares, E.W., **McLaughlin, J.E.**, Morbiter, K.A., and *Eckel, S.F. (2021). Development and perceived value of a master's degree in health-system pharmacy administration training. *American Journal of Health-System Pharmacy*, 1(1), 74-79.
16. Wolcott, M., ***McLaughlin, J.E.**, Hubbard, D.K., Williams, C.R., and Kiser, S.N. (2021). Identifying barriers to rural experiential education through the use of design thinking. *Journal of Medical Education and Curricular Development*, 8, 2382120521992333.
17. †Olsen, A.A., Lupton-Smith, C., Rodgers, P.T., and ***McLaughlin, J.E.** (2021). Characterizing research about interprofessional education within pharmacy. *American Journal of Pharmaceutical Education*, 85(8), Article 8541.
18. *Wolcott, M., **McLaughlin, J.E.**, †Hanh, A.K., †Miklavec, A.K., Beck Dallaghan, G., Rhoney, D., and Zomorodi, M. (2021). A qualitative review of the growth mindset theory in health professions education. *Medical Education*, 55(4), 430-440. doi.org/10.1111/medu.14381.
 *Featured on KeyLIME Podcast (Episode 306), 25 Mar 2021. <https://keylimepodcast.libsyn.com/306-growth-mindset>
19. *Wolcott, M, **McLaughlin, J.E.**, Hubbard, D.K., Umstead, K., and Rider, T.R. (2021). Twelve tips to stimulate creative problem-solving with design thinking. *Medical Teacher*, 43(5), 501-508. doi: 10.1080/0142159X.2020.1807483.
20. *Wolcott, M., †Lobczowski, N.G., Zeeman, J. M., and **McLaughlin, J.E.** (In Press, 2021). Exploring the role of the item scenario setting on situational judgment test response process selections. *American Journal of Pharmaceutical Education*.
21. *Wolcott, M., †Lobczowski, N.G., Zeeman, J. M., and **McLaughlin, J.E.** (In Press, 2021). Does the ability to identify the construct of an empathy situational judgement test relate to performance? Exploring a new concept in assessment. *Currents in Pharmacy Teaching and Learning*.
22. †Minshew, L.M., Lee, D., White, C., Roth, M., and ***McLaughlin, J.E.** (2021). Cultural intelligence in pharmacy education: Understanding student experiences. *American Journal of Pharmaceutical Education*, special themed-issue on Social Injustice, 85(9), Article 8580. doi: <https://doi.org/10.5688/ajpe8580>

23. *Morbitzer, K., **McLaughlin, J.E.**, †Devanathan, A., Ozawa, S., McClurg, M., Carpenter, D., and Lee, C. (2021). How-to guide for overcoming barriers of research and scholarship training in PharmD and pharmacy residency programs. *Journal of American College of Clinical Pharmacists*, 4(6), 743-753. doi: <https://doi.org/10.1002/jac5.1426>
24. †Hahn, F.T., Bush, A., Zhang, K., Patel, A., Jackson, A., Lewis, K., and ***McLaughlin, J.E.** (2021). Exploring career engagement, interests, and goals of students identifying as underrepresented racial minorities in pharmacy. *American Journal of Pharmaceutical Education*, 85(4), Article 8365.
25. *Lyons, K., †Lobczowski, N., Greene, J., Whitley, J., and **McLaughlin, J.E.** (2021). Using a design-based research approach to develop and study a web-based tool to support collaborative learning. *Computers & Education*, 161, 104064.
26. *Wolcott, M., †Lobczowski, N.G., Zeeman, J. M., and **McLaughlin, J.E.** (2021). Role of knowledge and experience in situational judgement test responses of pharmacists and pharmacy students. *American Journal of Pharmaceutical Education*, 85(1).
27. *Guo, W., Lake, D., Cox, M., Chen, E., and **McLaughlin, J.E.** (Revise and Resubmit, 2021). De-disciplining and democratizing design thinking in higher education. *Teaching and Learning Inquiry*.
28. †Minshew, L.M., Malone, D., Cain, J., and ***McLaughlin, J.E.** (Revise and Resubmit, 2021). An international study of Cognitive Apprenticeship in pharmacy education. *Advances in Health Sciences Education*.
29. Angelo, T., ***McLaughlin, J.E.**, Munday, M., and White, P. (Revise and Resubmit, 2021). The need to define core conceptual knowledge: a new evidence-based paradigm for pharmacy education. *Currents in Pharmacy Teaching and Learning*.
30. ***McLaughlin, J.E.**, Bush, A.A., Rodgers, P.T., Scott, M.A., Zomorodi, M., and Roth, M.T. (2020). Characteristics of high performing interprofessional teams involving student pharmacists. *American Journal of Pharmaceutical Education*, 84 (1), Article 7095.
31. †Olsen, A.A., †Minshew, L., Morbitzer, K., Brock, T., and ***McLaughlin, J.E.** (2020). Emerging innovations and professional skills needed within pharmacy curricula. *Journal of Medical Education and Curricular Development*, 7(1), 1-5.
32. *Wolcott, M., †Lobczowski, N., Zeeman, J.M., and **McLaughlin, J.E.** (In Press, 2020). The significance of setting: Exploring the role of item setting on the situational judgment test response process. *BMC Medical Education*.
33. ***McLaughlin, J.E.**, Bush, A.A., Friedman, A.D., and Lai, S.K (2020). Immersive research experiences for high school students aimed at promoting diversity and increasing visibility of schools of pharmacy. *American Journal of Pharmaceutical Education*, 84(3), Article 7589.
†**Featured by Association of Academic Health Centers (AAHC) Pipelines to Pathways initiative:**
<https://www.aahcdc.org/Publications-Resources/Series/Connecting-Pipelines-to-Pathways-for-Health-Equity-Case-Studies>
34. *Steeb, D.R., Miller, M.L., Schellhase, E.M., Malhotra, J.V., **McLaughlin, J.E.**, †Dascanio, S.A., and *Haines, S.T. (2020) Global health learning outcomes in pharmacy students completing international advanced pharmacy practice experiences. *American Journal of Pharmaceutical Education*, 84(3), Article 7586.
35. Zeeman, J.M., Bush, A.A., Cox, W.C., and ***McLaughlin, J.E.** (2020). Assessing the co-curriculum by mapping student organization involvement to curricular outcomes using mixed methods. *American Journal of Pharmaceutical Education*, 83(4), Article 6950.
36. *Williams, C.R., Rodgers, P., **McLaughlin, J.E.**, Angelo, T., and Shepherd, G. (2020). Comparing empathy levels in Doctor of Pharmacy students and exemplary pharmacist preceptors. *American Journal of Pharmaceutical Education*, 84(3), Article 7497.

37. Morbitzer, K.A., **McLaughlin, J.E.**, Ozawa, S., Beechinor, R., Dumond, J., Pomykal, C., Bush, A.A., Zhang, Q., Carpenter, D., and *Lee, C.R. (In Press, 2020). Implementation and initial evaluation of a research and scholarship training pathway in a PharmD curriculum. *American Journal of Pharmaceutical Education*.
38. *Wolcott, M., and **McLaughlin, J.E.** (2020). Promoting creative problem-solving in schools of pharmacy with the use of design thinking. *American Journal of Pharmaceutical Education*, 84(10), Article 8065.
39. †Olsen, A.A., ***McLaughlin, J.E.**, Harpe, S. (In Press, 2020). Understanding and implementing multiple linear regressions in pharmacy education. *Currents in Pharmacy Teaching and Learning*.
40. †Ma, C., Hubal, R., and ***McLaughlin, J.E.** (2020). Case element analysis for automated generation of cases in pharmacy education. *Education in the Health Professions*, 3(1), 22-26.
41. *Wolcott, M., Zeeman, J., †Lobczowski, N., and **McLaughlin, J.E.** (In Press, 2020). Situational judgment test validity: An exploratory model of the participant response process using cognitive and think-aloud interviews. *BMC Medical Education*.
42. †Minshew, L.M., †Yi, J., Morbitzer, K.A., and ***McLaughlin, J.E.** (2020). Use of capstone experiences in pharmacy education to synthesize and apply students' knowledge and skills. *American Journal of Pharmaceutical Education*, 84(11), Article 8060.
43. †Olsen, A., †Minshew, L., Jarstfer, M., and ***McLaughlin, J.E.** (2019). Exploring the future of graduate education in pharmaceutical fields. *Medical Science Educator*, 30, 75-59. doi:10.1007/s40670-019-00882-3
44. ***McLaughlin, J.E.**, †Minshew, L., Gonzalez, D., †Lamb, K., †Klus, N., Aubé, J., Cox, W.C., and Brouwer, K.L.R. (2019). Can they imagine the future? A qualitative study of the skills employers seek in pharmaceutical sciences doctoral graduates. *PLoS ONE* 14(9): e0222422. <https://doi.org/10.1371/journal.pone.0222422>.
45. †Rhodes, L., Marciniak, M., **McLaughlin, J.E.**, †Melendez, C., Leadon, K., and *Pinelli, N.R. (2019). Exploratory analysis of entrustable professional activities as a performance measure during early practice experiences in a Doctor of Pharmacy program. *American Journal of Pharmaceutical Education*, 83(2), Article 6517.
+**Finalist, Rufus A. Lyman Award for best paper published in American Journal of Pharmaceutical Education**
46. †Wolcott, M.D., †Lobczowski, N., †Lyons, K., and ***McLaughlin, J.E.** (2019). Design-based research: An iterative and practical approach in pharmacy educational intervention research. *Currents in Pharmacy Teaching and Learning*, 11(3), 309-318.
47. †Zeeman, J.M., Bush, A.A., Cox, W.C., †Buhlinger, K., and ***McLaughlin, J.E.** (2019). Identifying and mapping skill development opportunities through pharmacy student organization involvement. *American Journal of Pharmaceutical Education*, 83(4), Article 6950.
48. †Lyons, K., **McLaughlin, J.E.**, †Wolcott, M.D, Grandy, R., and *Williams, C.R. (2019). How pharmacist preceptors foster students' therapeutic reasoning using the One-Minute Preceptor method. *American Journal of Pharmaceutical Education*, 83(8) Article 7212.
49. *Bates, J.S., Auten J., Sketch, M.R., Patel, T., Clark, S.M., Morgan, K.P., Muluneh, B., **McLaughlin, J.E.**, Pinelli, N.R., Foster, M.C., and Amerine, L. (2019). Patient engagement in first cycle comprehensive chemotherapy consultation pharmacist services and impact on patient activation. *Journal of Oncology Pharmacy Practice*, 1-7. doi: 10.1177/1078155219832644
50. †Minshew, L.M., and ***McLaughlin, J.E.** (2019). Considerations for authorship in pharmacy education. *American Journal of Pharmaceutical Education*, 83(6), Article 7463.

51. †Wolcott, M., †Lupton-Smith, C., Cox, W.C., and ***McLaughlin, J.E.** (2019). A 5-minute situational judgement test to assess empathy in first year student pharmacists. *American Journal of Pharmaceutical Education*, 83(6): Article 6960.
52. *Persky, A.M., Greene, J.M., Anksorous, H., Fuller, K.A., and **McLaughlin, J.E.** (2019). Developing an innovative, comprehensive, first-year capstone to assess and inform student learning and curriculum effectiveness. *American Journal of Pharmaceutical Education*, 83(5), Article 6730. <http://www.ajpe.org/doi/pdf/10.5688/ajpe6730>.
53. Steeb, D.R., Miller, M.L., Schellhase, E.M., Malhotra, J.V., **McLaughlin, J.E.**, †Dascanio, S.A., and *Haines, S.T. (In Press, 2019). Assessment of global health learning outcomes on international experiences. *American Journal of Pharmaceutical Education*.
54. ***McLaughlin, J.E.**, †Wolcott, M., Hubbard, D., Umstead, K., and Rider, T.R. (2019). A qualitative review of the design thinking framework in health professions education. *BMC Medical Education*, 19(1), 98-106.
55. *Persky, A.M., †Kang, I., Cox, W., and **McLaughlin, J.E.** (2019). An exploration of the relationships between multiple mini-interview scores and personality traits. *American Journal of Pharmaceutical Education*, 83(8), Article 7240.
56. *Williams, C.R. **McLaughlin, J.**, Leadon, K., Khanova, J., and Rodgers, P. (2018). Preceptor confidence and engagement in providing leadership activities to students in advanced pharmacy practice experiences. *Currents in Pharmacy Teaching and Learning*. 2018;10(12):1641-1646.
57. †Wolcott, M., †Zeeman, J.M., Cox, W.C., and ***McLaughlin, J.E.** (2018). Evaluating the multiple mini interview as a formative assessment in the first year of a health professions curriculum. *BMC Medical Education*, 18(92), <https://doi.org/10.1186/s12909-018-1203-5>.
58. †Lyons, K., Taylor, D., †Minshew, L., and ***McLaughlin, J.E.** (2018). Student and school-level predictors of residency attainment. *American Journal of Pharmaceutical Education*, 28(2), Article 6220.
59. ***McLaughlin, J.E.**, †Lupton-Smith, C., and †Wolcott, M.D. (2018). Text mining as a method for examining the alignment between educational outcomes and workforce needs. *Education in the Health Professions*, 1, 55-60.
60. *Persky, A.M., and **McLaughlin, J.E.** (2018). Troubleshooting the flipped classroom in medical education: Common challenges and lessons learned. *Medical Science Educator*, 28(1), 235-241.
61. *Pinelli, N.R., **McLaughlin, J.E.**, †Khanova, J., Eckel, S., Vu, M., Weinberger, M., and Roth, M.T. (2018). Identifying the presence of cognitive apprenticeship in the layered learning practice model. *American Journal of Pharmaceutical Education*, 82(1), Article 6155.
62. †Sanders, K.A., **McLaughlin, J.E.**, Waldron, K., Willoughby, I., and *Pinelli, N. (2018). Educational outcomes associated with early immersion of second-year student pharmacists into direct patient care roles in health-system practice. *Currents in Pharmacy Teaching and Learning*, 10(1), 211-219.
63. ***McLaughlin, J.E.**, Kennedy, L., Garriss, S., Harris, S., Hillman, A., Pinelli, N.R., and Rhoney, D.H. (2017). Student pharmacist experiences as inpatient psychiatry medication education group leaders during an early immersion program. *Currents in Pharmacy Teaching and Learning*, 9(5), 856-861.
64. ***McLaughlin, J.E.**, †Singer, D., and Cox, W.C. (2017). Candidate evaluation using targeted construct assessment in the multiple mini interview: A Multifaceted Rasch Model analysis. *Teaching and Learning in Medicine*, 29(1), 68-74.
65. ***McLaughlin, J.E.**, †Bush, A.A., Rodgers, P.T., Scott, M.A., Zomorodi, M., Pinelli, N.R., and Roth, M.T. (2017). Exploring the requisite skills and competencies of pharmacists needed for success in an evolving health care environment. *American Journal of Pharmaceutical Education*, 81(6), Article 116.

66. †Zeeman, J., ***McLaughlin, J.E.**, and Cox, W.C. (2017). Validity and reliability of an application review process using dedicated reviewers. *Currents in Pharmacy Teaching and Learning*, 9(6), 972-979.
67. *Pinelli, N.R., **McLaughlin, J.E.**, Chen, S., Luter, N.D., †Arnall, J., et al. (2017). Improved organizational outcomes associated with incorporation of early clinical experiences for second year student pharmacists at an academic medical center. *Journal of Pharmacy Practice*, 30(1), 99-108.
68. †Sanders, K.A., †Wolcott, M.D., **McLaughlin, J.E.**, †D'Ostroph, A., Shea, C.M., *Pinelli, N.R. (2017). Organizational readiness for change: Preceptor perceptions regarding early immersion of student pharmacists in health-system practice. *Research in Social and Administrative Pharmacy*, 13(5), 1028-1035.
69. ***McLaughlin, J.E.**, and †Kang, I. (2017). A flipped classroom model for a biostatistics short course. *Statistics Education Research Journal*, 16(2), 441-453.
70. †Bush, A.A., ***McLaughlin, J.E.**, and †Buhlinger, K. (2017). Identifying shared values for school-affiliated student organizations. *American Journal of Pharmaceutical Education*, 81(9), Article 6076.
71. ***McLaughlin, J.E.**, †Khanova, J., Persky, A., Hathaway, N., and Cox, W.C. (2017). Design, implementation, and outcomes of a three week pharmacy bridging short course. *American Journal of Pharmaceutical Education*, 81(7), Article 6313.
72. *White, P.J., Naidu, S., Yuriev, E., Short, J.L., **McLaughlin, J.E.**, and Larson, I.C. (2017). Student engagement with a flipped classroom teaching design affects pharmacology examination performance in a manner dependent on question type. *American Journal of Pharmaceutical Education*, 81(9), Article 5931.
73. †Mann, J., Amerine, L., Waldron, K., †Wolcott, M. and ***McLaughlin, J.E.** (2017). Pharmacist perceptions of competency: Identifying priority areas for a competency program at an academic medical center. *Research in Social and Administrative Pharmacy*, 14(6), 595-602.
74. *Persky, A. and **McLaughlin, J.E.** (2017). The flipped classroom: From theory to practice in health professions education. *American Journal of Pharmaceutical Education*, 81(6), Article 118.
75. †Friedman, A., Bush, A., †Melendez, C., Lai, S., and ***McLaughlin, J.E.** (2017). The Young Innovators Program at the Eshelman Institute for Innovation: A case study examining the role of a professional pharmacy school in enhancing STEM pursuits among secondary school students. *International Journal of STEM Education*, 4(17), 1-7.
76. †Lyons, K., ***McLaughlin, J.E.**, †Khanova, J., and Roth, M.T. (2017). Cognitive apprenticeship in health sciences education: a qualitative review. *Advances in Health Sciences Education*, 22(3), 723-739.
77. †Bush, A.A., ***McLaughlin, J.E.**, and White, C. (2017). A review of contemporary diversity literature in pharmacy education. *American Journal of Pharmaceutical Education*, 81(7), Article 5961.
78. *Scott, M.A., **McLaughlin, J.E.**, Shepherd, G., Williams, C., †Zeeman, J., and Joyner, P. (2016). Professional organizations for pharmacy students on satellite campuses. *American Journal of Pharmaceutical Education*, 80(5), Article 78.
79. *Bates, J., Buie, L.W., †Lyons, K., Rao, K., Pinelli, N., **McLaughlin, J.E.**, et al. (2016). A study of layered learning in oncology. *American Journal of Pharmaceutical Education*, 80(4), Article 68.
80. ***McLaughlin, J.E.**, White, P.J., †Khanova, J., and Yuriev, E. (2016). Flipped classroom implementation: A case report of two higher education institutions in the United States and Australia. *Computers in the Schools*, 33(1), 24-37.
81. †Frick, A., Benton, C., Scolaro, K., **McLaughlin, J.E.**, Bradley, C.L., Suzuki, O.T., Wang, N., and *Wiltshire, T. (2016). Changes in student pharmacists' attitudes and self-perceived competence following the use of direct-to-

consumer personal genotyping and educational interventions on pharmacogenomics. *Frontiers in Pharmacology*, 7, Article 241.

82. ***McLaughlin, J.E.**, [†]Bush, A.A., and [†]Zeeman, J. (2016). Mixed methods: Expanding research methodologies in pharmacy education. *Currents in Pharmacy Teaching and Learning*, 8, 715-721.
83. [†]Singer, D., ***McLaughlin, J.E.**, and Cox, W.C. (2016). The multiple mini-interview as an admission tool for a PharmD program satellite campus. *American Journal of Pharmaceutical Education*, 80(7), Article 121.
84. ***McLaughlin, J.E.**, McLaughlin, G.W., McLaughlin, J.S., and White, C.Y. (2016). Using Simpson's diversity index to examine multidimensional models of diversity in health professions education. *International Journal of Medical Education*, 7, 1-5.
85. [†]Shah S., ***McLaughlin, J.E.**, Eckel, S.F., Mangun, J., and Hawes, E. (2016). Evaluating the quality of competency assessment in pharmacy: A framework for workplace learning. *Pharmacy*, 4(1), Article 4.
86. *Williams, C.R., **McLaughlin, J.E.**, Cox, W.C., and Shepherd, G. (2016). Relationship between student pharmacist decision-making preferences and experiential learning. *American Journal of Pharmaceutical Education*, 80(7), Article 119.
87. [†]Khanova, J., **McLaughlin, J.E.**, Rhoney, D. H., Roth, M. T., and *Harris, S. (2015). Student perceptions of a flipped pharmacotherapy course: Lessons learned and design considerations. *American Journal of Pharmaceutical Education*, 79(9), Article 140.
88. ***McLaughlin, J.E.**, Poppe, L.B., Chen, S., Luter, D.N., [†]Arnall, J., et al. (2015). Early clinical immersion experiences for second year student pharmacists at an academic medical center. *American Journal of Pharmaceutical Education*, 79(9), Article 139.
89. ***McLaughlin, J.E.**, McLaughlin, G.W., and McLaughlin, J.S. (2015). Using composite metrics to measure student diversity in higher education institutions. *Journal of Higher Education Management and Policy*, 37(2), 222-240.
90. *Cox, W.C., **McLaughlin, J.E.**, [†]Singer, D., Lewis, M., and Dinkins, L. (2015). Development and assessment of the multiple mini-interview in a school of pharmacy admissions model. *American Journal of Pharmaceutical Education*, 79(4), Article 53.
91. ***McLaughlin, J.E.**, [†]Khanova, J., Scolaro, K., Rodgers, P.T., and Cox, W.C. (2015). Limited predictive utility of admissions scores and objective structured clinical examinations for clinical performance. *American Journal of Pharmaceutical Education*, 79(6), Article 84.
92. [†]Khanova, J., Roth, M.T., Rodgers, J.E. and ***McLaughlin, J.E.** (2015). Student experiences across multiple flipped classrooms in a single curriculum. *Medical Education*, 49, 1038-1048.
93. ***McLaughlin, J.E.**, and Rhoney, D.H. (2015). Comparison of pre-class preparatory learning tools: Findings from a flipped neurology lecture. *Currents in Pharmacy Teaching & Learning*, 7(1), 12-19.
94. **McLaughlin, J.E.**, [†]Gharkholonarehe, N., [†]Khanova, J., Deyo, Z., and *Rodgers, J.E. (2015). The Impact of Blended Learning on Student Performance in a Cardiovascular Pharmacotherapy Course. *American Journal of Pharmaceutical Education*, 79(2), Article 24.
95. *Hillman, A. Kennedy, L., Garris, S., **McLaughlin, J.E.**, and Rhoney, D. H. (2015). Stigmatizing beliefs: How leading patient medication education groups on an inpatient psychiatric unit impacts pharmacy learners. *Mental Health Clinician*, 5(4), 162-168.

96. **McLaughlin, J.E.**, Roth, M.T., †Glatt, D.M., †Gharkholonareh, N., Davidson, C.A., †Griffin, L.M., Esserman, D.A., and *Mumper, R.J. (2014). The flipped classroom: A Course redesign to foster learning and engagement in a health professions school. *Academic Medicine*, 89(2), 236-243.
97. **McLaughlin, J.E.**, Cox, W.C., Williams, C.R., and *Shepherd, G. (2014). An Examination of rational and experiential decision making among student pharmacists. *American Journal of Pharmaceutical Education*, 78(6), Article 120.
98. *Cox, W.C., and **McLaughlin, J.E.** (2014). Association of Health Sciences Reasoning Test scores with academic and experiential performance. *American Journal of Pharmaceutical Education*, 78(4), Article 73.
99. **McLaughlin, J.E.**, †Griffin, L.M., Esserman, D.A., Davidson, C.A., †Glatt, D.M., Roth, M.T., †Gharkholonarehe, N., and *Mumper, R.J. (2013). The flipped satellite classroom: Student engagement, performance, and perception. *American Journal of Pharmaceutical Education*, 77(9), Article 196.
100. ***McLaughlin, J.E.**, Dean, M.J., Mumper, R.J., Blouin, R.A., and Roth, M.T. (2013). A Roadmap for educational research in pharmacy. *American Journal of Pharmaceutical Education*, 77(10), Article 218.
101. *McLaughlin, J.S., †**McLaughlin, J.E.**, and Elaydi, R. (2013). Ian Macneil and relational contract theory: Evidence of impact. *Journal of Management History*, 20(1), 44-61.
102. Exil, V.J., Roberts, R.L., Sims, H., †**McLaughlin, J.E.**, Malkin, R.A., Gardner, C.D., Ni, G., Rottman, J.N., and Strauss, A.W. (2003). Very-long-chain acyl-coenzyme a dehydrogenase deficiency in mice. *Circulation Research*, 93(5), 448-55.
103. Barros, A.K., †**McLaughlin, J.E.**, Ohnishi, N., and Malkin, R.A. (2001). Analysis of the murine heart rate variability obtained through plethysmograph power spectrum. *Computers in Cardiology*, 28, 661-662.

REFEREED PRESENTATIONS AND/OR ABSTRACTS

1. Lake, D., Guo, W., Chen, E., and **McLaughlin, J.E.** (March, 2022). Dedisciplining and democratizing design thinking pedagogies in higher education. Paper presentation at the Design Research Society Design Thinking Research Symposium 13. Haifa, Israel.
2. **McLaughlin, J.E.**, Layton, R., Watkins, P., Nichols, R., and Brouwer, K. (March, 2022). Identifying the core trainee skills and program characteristics of successful clinical pharmacology and biomedical T32 training programs. Poster presentation at American Society for Clinical Pharmacology and Therapeutics. **Presentation virtually due to COVID-19 pandemic.
3. Fassett, K., and **McLaughlin, J.E.** (November, 2021). A global conversation about demographic items for pharmacy educational research. Poster presentation at the Australasia Pharmaceutical Science Association. **Presentation virtually due to COVID-19 pandemic.
4. Minshew, L., Lee, D., and **McLaughlin, J.E.** (September, 2021). Incorporating Cultural Intelligence into Doctor of Pharmacy class sessions, courses, and curricula: Introducing a framework. Encore presentation at the Innovations in Healthcare Education Research Conference. **Presentation virtually due to COVID-19 pandemic.
5. Minshew, L., Malone, D., Cain, J., and **McLaughlin, J.E.** (September, 2021). Making expert thinking visible: Cognitive apprenticeship in pharmacy education. Encore presentation at the Innovations in Healthcare Education Research Conference. **Presentation virtually due to COVID-19 pandemic.
6. Savage, A., Minshew, L., Anksorous, H., and **McLaughlin, J.E.** (July, 2021). Remote OSCE experience: What first-year pharmacy students liked, learned, and suggested. Poster presentation at the American Association of Colleges of Pharmacy. **Presentation virtually due to COVID-19 pandemic.

7. Morbitzer, K., White, C., and **McLaughlin, J.E.** (July, 2021). Preparing faculty and preceptors to create an inclusive learning environment. Poster presentation at the American Association of Colleges of Pharmacy. **Presentation virtually due to COVID-19 pandemic.
8. Morbitzer, K., Eckel, S., and **McLaughlin, J.E.** (July 2021). The business of healthcare for pharmacy education. Poster presentation at the American Association of Colleges of Pharmacy. **Presentation virtually due to COVID-19 pandemic.
9. Cox, W, Hahn, F., Wolcott, M., and **McLaughlin, J.E.** (July, 2021). The relationship between a multiple mini-interview and situational judgement test for admissions. Poster presentation at the American Association of Colleges of Pharmacy. **Presentation virtually due to COVID-19 pandemic.
10. **McLaughlin, J.E.**, Hahn, F., Minshew, L., Morbitzer, K., and Brouwer, K. (July, 2021). Understanding postdoctoral experiences and identifying opportunities for improvement. Poster presentation at the American Association of Colleges of Pharmacy. **Presentation virtually due to COVID-19 pandemic.
11. Hahn, F., **McLaughlin, J.E.**, and Zeeman, J. (July, 2021). Lessons learned: Using design thinking principles to identify best practices of pharmacy learning communities. Poster presentation at the American Association of Colleges of Pharmacy. **Presentation virtually due to COVID-19 pandemic.
12. Hahn, F., **McLaughlin, J.E.**, and Albon, S. (July, 2021). Why should I care? Characterizing relevance for learning and teaching medicinal chemistry. Poster presentation at the American Association of Colleges of Pharmacy. **Presentation virtually due to COVID-19 pandemic.
+Finalist, Best Trainee Poster Award
13. Minshew, L., Lee, D., White, C., McClurg, M. and **McLaughlin, J.E.** (July, 2021). Cultural intelligence framework: student insights and experiences. Poster presentation at the American Association of Colleges of Pharmacy. **Presentation virtually due to COVID-19 pandemic.
+Finalist, Best Trainee Poster Award
14. Minshew, L., Malone, D., Cain, J., and **McLaughlin, J.E.** (July, 2021). Exploring cognitive apprenticeship in didactic pharmacy education. Poster presentation at the American Association of Colleges of Pharmacy. **Presentation virtually due to COVID-19 pandemic.
15. Minshew, L., Lee, D., and **McLaughlin, J.E.** (July, 2021). Incorporating Cultural Intelligence into Doctor of Pharmacy class sessions, courses, and curricula: Introducing a framework. Podium presentation at the American Association of Colleges of Pharmacy. **Presentation virtually due to COVID-19 pandemic.
16. **McLaughlin, J.E.**, Angelo, T., Munday, M., & White, P. (July, 2021). Identifying the core concepts that underpin pharmacy education. Podium presentation at the American Association of Colleges of Pharmacy. **Presentation virtually due to COVID-19 pandemic.
17. White, C., Fulford, M., **McLaughlin, J.E.**, Youmans, S., & Turner, M. Equity in Pharmacy Education: What is holding us back? (July, 2021). Podium presentation at the American Association of Colleges of Pharmacy. **Presentation virtually due to COVID-19 pandemic.
18. Lyons, K., & **McLaughlin, J.E.** (July, 2021). Text analytics - Rise above the word clouds. Podium presentation at the American Association of Colleges of Pharmacy. **Presentation virtually due to COVID-19 pandemic.
19. Morbitzer, K.A., DiVall, M.V., Mills, B.N., & **McLaughlin, J.E.** (July, 2021). Peer evaluation 2.0: Making your peer feedback or coaching program work for YOU. Podium presentation at the American Association of Colleges of Pharmacy. **Presentation virtually due to COVID-19 pandemic.

20. Greene, J., Lobczowski, N., Lyons, K. & **McLaughlin, J.E.** (June, 2021). Connecting talk types to socioemotional formation and regulation. Poster presentation at International Society of Learning Sciences. **Presentation virtually due to COVID-19 pandemic.
21. Minshew, L., **McLaughlin, J.E.**, Cain, J., & Malone, D. (April, 2021). Cognitive apprenticeship in pharmacy education: A multi-institutional study. Paper presentation at the American Educational Research Association. **Presentation virtually due to COVID-19 pandemic.
22. Hahn, F., **McLaughlin, J.E.**, & Zeeman, J.M. (October, 2020). We are pharmily: Evaluation of pharmacy learning communities. Poster presentation at the American College of Clinical Pharmacy. **Presented virtually due to COVID-19 pandemic.
23. **McLaughlin, J.E.**, Lupton-Smith, C., Bell, E., Hubal, R., & Persky, A. (July, 2020). Automated analysis of course evaluation comments: the use of sentiment analysis to characterize classroom teaching. Poster presentation at the American Association of Colleges of Pharmacy, Long Beach, CA. **Presented virtually due to COVID-19 pandemic. **+Best Poster Award, Social and Administrative Sciences Section**
24. Fuller, K., Lupton-Smith, C., Kahandage, V., Hanh, A. & **McLaughlin, J.E.** (July, 2020). Automated analysis of preceptor comments: the use of sentiment analysis to characterize student issues. Poster presentation at the American Association of Colleges of Pharmacy, Long Beach, CA. **Presented virtually due to COVID-19 pandemic.
25. **McLaughlin, J.E.**, Lupton-Smith, C.; Hume, C., & Jarster, M. (July 2020). Using text mining to identify key skills and characteristics of jobs for PhD graduates. Poster presentation at the American Association of Colleges of Pharmacy, Long Beach, CA. **Presented virtually due to COVID-19 pandemic.
26. Jarstfer, M., Ainslie, K., Cox, W.C., Miklavec, A., Lowe, K.B., & **McLaughlin, J.E.** (July, 2020). Using the multiple mini interview to assess candidates for a PhD program in pharmaceutical sciences. Poster presentation at the American Association of Colleges of Pharmacy, Long Beach, CA. **Presented virtually due to COVID-19 pandemic.
27. Minshew, L.M., **McLaughlin, J.E.**, Zeeman, J., Bush, A.A., & Patterson, H. (July, 2020). We all need mentors! Evaluation of a team-based junior faculty mentoring program. Poster presentation at the American Association of Colleges of Pharmacy, Long Beach, CA. **Presented virtually due to COVID-19 pandemic.
28. Persky, A., & **McLaughlin, J.E.** (July, 2020). Promoting educational research through school-based peer review. Poster presentation at the American Association of Colleges of Pharmacy, Long Beach, CA. **Presented virtually due to COVID-19 pandemic.
29. **McLaughlin, J.E.**, Feola, D., Jarstfer, M.B., Black, E.P., & Brouwer, K.L.R. (July, 2020). Transforming graduate education: Preparing the next generation of pharmaceutical scientists and leaders. Podium presentation at the American Association of Colleges of Pharmacy, Long Beach, CA. **Deferred due to COVID-19 pandemic.
30. Cox, W.C., Clinard, V.B., McClurg, M.R., **McLaughlin, J.E.**, & Youmans, S.L. (July, 2020). Curriculum change: Motivation, lessons learned, and next steps for two schools of pharmacy. Podium presentation at the American Association of Colleges of Pharmacy, Long Beach, CA. **Deferred due to COVID-19 pandemic.
31. Zeeman, J.M., **McLaughlin, J.E.**, Franks, A.S., Castleberry, A., & Medina, M.S. (July, 2020). The assessment hat (or Hats!) we all wear: Assessment across an array of faculty roles. Podium presentation at the American Association of Colleges of Pharmacy, Long Beach, CA. **Presented virtually due to COVID-19 pandemic.
32. Lyons, K.M., **McLaughlin, J.E.**, Brunner, J., Wolcott, M.D., & Fuller, K.A. (July, 2020). Learning analytics - A glimpse into the future of teaching and learning. Podium presentation at the American Association of Colleges of Pharmacy, Long Beach, CA. **Presented virtually due to COVID-19 pandemic.

33. Cox, W.C., & **McLaughlin, J.E.** (July, 2020). Unlocking the potential: Case-writing tips and strategies for multiple mini-interviews. Podium presentation at the American Association of Colleges of Pharmacy, Long Beach, CA.
**Presented virtually due to COVID-19 pandemic.
34. **McLaughlin, J.E.** & Lupton-Smith, C. (May, 2020). Examples of text mining techniques for decision-support. Podium presentation at Association for Institutional Research, New Orleans, LA. **Presented virtually due to COVID-19 pandemic.
35. Minshew, L., & **McLaughlin, J.E.** (April, 2020). Expert thinking and teaching practices: How do they connect? Paper presentation at American Educational Research Association Annual Meeting, San Francisco, CA. **Canceled due to COVID-19 pandemic.
36. Olsen, A.A., Lupton-Smith, C. & **McLaughlin, J.E.** (April, 2020). A systematic review of the collaboration, methodology, and dissemination of interprofessional education research. Roundtable presentation at the American Educational Research Association Annual Meeting, San Francisco, CA. **Canceled due to COVID-19 pandemic.
37. Lobczowski, N. G., Lyons, K., Greene, J., & **McLaughlin, J.E.** (April, 2020). The formation and regulation of emotions in groups with different socioemotional experiences. Poster presentation at the American Educational Research Association Annual Meeting, San Francisco, CA. **Canceled due to COVID-19 pandemic.
38. White, P.W., Angelo, T.A., **McLaughlin, J.E.**, & Munday, M. (December, 2019). Revolutionising what pharmacology graduates need to know: core concepts in pharmacology education. Presentation at Australasian Pharmaceutical Science Association Annual Conference, Melbourne, Australia.
39. Olsen, A., Lupton-Smith, C., Yi, J., & **McLaughlin, J.E.** (October, 2019). A systematic review of interprofessional education in the health professions. Poster presentation at the American College of Clinical Pharmacists Annual Conference, New York, NY.
40. Morbitzer, K., **McLaughlin, J.E.**, Olsen, A.A., Zhang, Q., Dumond, J., Carpenter, D., Ozawa, S., Smith, P., Bush, A.A., Pomykal, C., & Lee, C. (October, 2019). Implementation and initial evaluation of an innovative approach to research and scholarship training in pharmacy education. Poster presentation at the American College of Clinical Pharmacists Annual Conference, New York, NY.
41. Yi, J., Morbitzer, K., Minshew, L., & **McLaughlin, J.E.** (October, 2019). What's in a capstone? A review of capstones in pharmacy education. Poster presentation at the American College of Clinical Pharmacists Annual Conference, New York, NY.
42. Lyons, K., Lobczowski, N. G., Greene, J. A., & **McLaughlin, J. E.** (August, 2019). Motivation co-construction: How students build group-level motivation in collaborative learning. Paper presentation at the biannual meeting of the European Association of Research on Learning and Instruction (EARLI), Aachen, Germany.
43. Lobczowski, N. G., Lyons, K., Greene, J. A., & **McLaughlin, J. E.** (August, 2019). Socioemotional regulation strategies used in a project-based learning environment. Paper presentation as part of a symposium at the biannual meeting of the European Association of Research on Learning and Instruction (EARLI), Aachen, Germany.
44. Minshew L.M., **McLaughlin J.E.**, Aube J., Cox W.C., Gonzalez D., Lamb, K., Klus, N.J., Brouwer K.L.R. (July, 2019). What employers want: Identifying necessary skills in pharmaceutical sciences graduates. Poster presentation at the American Association of Colleges of Pharmacy Annual Meeting, Chicago, IL.
+Best Poster Award, Social and Administrative Sciences Section
45. Smith, K.J., Farland, M., Flaxman, C., Wolcott, M., and **McLaughlin, J.E.** (July, 2019). Taking a leap to reliable, objective assessment of non-cognitive pharmacist attributes with situational judgement tests. Podium presentation at the American Association of Colleges of Pharmacy Annual Meeting, Chicago, IL.

46. **McLaughlin, J.E.**, Olsen, A., Zambrano, S., Bush, A.A., and Zeeman, J.M. (July, 2019). Does your teaching count? A frequency based instrument for peer-evaluations of teaching. Poster presentation at the American Association of Colleges of Pharmacy Annual Meeting, Chicago, IL.
47. Olsen, A. **McLaughlin, J.E.**, Brouwer, K.L.R., Nicolazzo, J., Thompson, P., Porter, C., Schorge, S., and Phillips, A. (July, 2019). Content analysis of three graduate curricula in the pharmaceutical sciences. Poster presentation at the American Association of Colleges of Pharmacy Annual Meeting, Chicago, IL.
48. Wolcott, M., Lobczowski, N.G., Zeeman, J., & **McLaughlin, J.E.** (July, 2019). What were you thinking? Student and pharmacist situational judgments about empathy. Poster presentation at the American Association of Colleges of Pharmacy Annual Meeting, Chicago, IL.
49. Steeb, D.R., Miller, M.L., Schellhase, E.M., Malhotra, J.V., **McLaughlin, J.E.**, Dascanio, S.A., & Haines, S.T. (July, 2019). Global health learning outcomes by country location and duration for international experiences. Poster presentation at the American Association of Colleges of Pharmacy Annual Meeting, Chicago, IL.
50. Dorszynski, A., Ton, M., Mintz, A., Lee, E., Jarstfer, M., & **McLaughlin, J.E.** Virtual Pharmacopedia: Analysis of student-developed expert-reviewed modules for PharmD curricular expansion. Poster presentation at the American Association of Colleges of Pharmacy Annual Meeting, Chicago, IL.
51. Olsen, A., Minshew, L., & **McLaughlin, J.E.** (July, 2019). PharmCasting the future of pharmaceutical sciences and pharmacy practice education. Poster presentation at the American Association of Colleges of Pharmacy Annual Meeting, Chicago, IL.
52. Minshew, L., Williams, C., & **McLaughlin, J.E.** (July, 2019). How may we help you? Experiential education administrators' solutions to common preceptor and student issues. Poster presentation at the American Association of Colleges of Pharmacy Annual Meeting, Chicago, IL.
53. Ma, C., Hubal, R., Kazim, T., and **McLaughlin, J.E.** (July, 2019). Case element analysis for automated generation of cases in pharmacy education. Encore poster presentation at the American Association of Colleges of Pharmacy Annual Meeting, Chicago, IL.
54. Bobbit, L. and **McLaughlin, J.E.** (July, 2019). The evolution of prepharmacy: How prerequisites have changed over the last decade. Poster presentation at the American Association of Colleges of Pharmacy Annual Meeting, Chicago, IL.
55. **McLaughlin, J.E.**, Wolcott, M., and Hubbard, D. (July, 2019). Wicked problems: Using design thinking for curriculum development in pharmacy education. Podium presentation at the Pharmacy Education Symposium, Prato, Italy.
56. Morbitzer, K., Yi, J., Minshew, L., and **McLaughlin, J.E.** (July, 2019). Describing the use of capstone assessments within pharmacy education. Poster presentation at Pharmacy Education Symposium, Prato, Italy.
57. Minshew, L., and **McLaughlin, J.E.** (July, 2019). Making thinking visible: Cognitive apprenticeship in pharmacy education. Poster presentation at Pharmacy Education Symposium, Prato, Italy.
58. Lyons, K., Lobczowski, N. G., Greene, J. A., & **McLaughlin, J. E.** (July, 2019). Pharmacy students' motivation challenges and motivation regulation strategies in collaborative learning. Podium presentation at the Pharmacy Education Symposium, Prato, Italy.
59. Ma, C., Hubard, R., Kazim, T., and **McLaughlin, J.E.** (December, 2018). Case element analysis for automated generation of cases in pharmacy education. Poster presentation at the American Society of Health-System Pharmacists Midyear Meeting, Anaheim, CA.

60. Bobbitt, L. and **McLaughlin, J.E.** (September, 2018). Pay to play: The cost of the pre-pharmacy curriculum. Poster presentation at the North Carolina Association of Pharmacists Annual Meeting, Winston-Salem, NC.
61. Lyons, K., Lobczowski N., Green, J.A., and **McLaughlin, J.** (August, 2018). Exploring differences between students' motivation processes in collaborative learning. In H. Jarvenoja (Chair), Processes matter? Exploring the role of motivation and emotions in the process of learning. Podium presentation at the International Conference on Motivation of the European Association for Research on Learning and Instruction (EARLI), Aarhus University, Denmark.
62. Zeeman, J., Medina, M., Castleberry, A., Franks, A., and **McLaughlin, J.E.** (July, 2018). Expanding your assessment toolkit: Selection, identification, and evaluation of social, behavioral, and professional competency assessment. Podium presentation at the American Association of Colleges of Pharmacy Annual Meeting, Boston, MA.
63. Alston, G., Nguyen, M., Cox, W.C., and **McLaughlin, J.E.** (July, 2018). Evidence-based admissions: the search for the best applicants. Podium presentation at American Association of Colleges of Pharmacy Annual Meeting, Boston, MA.
64. **McLaughlin, J.E.**, Bush, A.A., Romanelli, F., and Persky, A.M. (July, 2018). Winner takes all: Debating the merits of quantitative and qualitative research. Podium presentation at the American Association of Colleges of Pharmacy Annual Meeting, Boston, MA.
65. Wolcott, M., Zeeman, J., Cox, W.C., and **McLaughlin, J.E.** (July, 2018). The multiple mini interview as an assessment strategy within the first year of a PharmD curriculum. Poster presentation at American Association of Colleges of Pharmacy Annual Meeting, Boston, MA.
+First Place, Graduate Student Poster
66. **McLaughlin, J.E.**, Bush, A., Anderson, J., Corbat, J., and Lai, S. (July, 2018). Immersive pharmaceutical sciences research training for high school students through the Young Innovators Program. Poster presentation at American Association of Colleges of Pharmacy Annual Meeting, Boston, MA.
67. Patel, A., **McLaughlin, J.E.**, Zhang, K., Bush, A., Jackson, A., and Lewis, K. (July, 2018). Training, confidence, and career goals in underrepresented minority students. Poster presentation at American Association of Colleges of Pharmacy Annual Meeting, Boston, MA.
68. Lobczowski, N., Lyons, K., **McLaughlin, J.E.**, Greene, J.A. (April, 2018). Scaffolding self-, co-, and socially-shared-regulation of future learning: Affordances of learning analytics dashboards. Poster presentation at American Education Research Association Annual Meeting, New York, NY.
69. McMin, R., Councell, J., **McLaughlin, J.E.**, and Scott, M.A. (December, 2017). The impact of a pharmacy student-led symposium on leadership and professional development. Poster presentation at the American Society of Health-System Pharmacists Midyear Meeting, Orlando, FL.
70. Kang, I., Persky, A., **McLaughlin, J.E.**, and Cox, W.C. (December, 2017). The relationship between personality factors and scores on the multiple mini interview. Poster presentation at the American Society of Health-System Pharmacists Midyear Meeting, Orlando, FL.
71. Rhodes, L., Melendez, C., **McLaughlin, J.E.**, Marciniak, M., and Pinelli, N. (October, 2017). Assessing the implementation fidelity of an immersive early pharmacy practice experience in a Doctor of Pharmacy curriculum. Poster presentation at the American College of Clinical Pharmacy Annual Meeting, Phoenix, AZ.
72. Lobczowski, N., Lyons, K., **McLaughlin, J.E.**, and Greene, J. (August, 2017). Socially shared metacognition in a project based learning environment: A comparison study. Poster presentation at the European Association for Research in Learning and Instruction conference, Tampere, Finland.

73. **McLaughlin, J.E.**, Singleton, S.F. (July, 2017). Leveling the playing field: A 3-week pharmacy bridging course for incoming students. Podium presentation at the American Association of Colleges of Pharmacy Annual Conference, Nashville, TN.
74. Bush, A.A., **McLaughlin, J.E.**, and Buhlinger, K. (July, 2017). A process for reaching consensus on shared values for student organizations. Poster presentation at the American Association of Colleges of Pharmacy Annual Conference, Nashville, TN.
75. Lyons, K.L, **McLaughlin, J.E.**, Taylor, D., and Minshew, L. (July, 2017). Student and school-level predictors of pharmacy residency attainment. Poster presentation at the American Association of Colleges of Pharmacy Annual Conference, Nashville, TN.
76. **McLaughlin, J.E.**, Todd, A., Zhang, K., Bush, A., and Hawke, R. (July 2017). Graduate student activity report: Metrics for academic productivity. Poster presentation at the American Association of Colleges of Pharmacy Annual Conference, Nashville, TN.
77. Angelo, T.A., Cox, W.C., Fravel, M.A., **McLaughlin, J.E.**, Ray, M.E., and Zeeman, J.M. (July, 2017). Mapping matters: Practical lessons learned using curriculum mapping for program assessment, improvement, and accreditation. Podium presentation at the American Association of Colleges of Pharmacy Annual Conference, Nashville, TN.
78. Darley, B.A., Logan, L.D., **McLaughlin, J.E.**, and Pinelli, N.R. (July, 2017). Establishing a mutually beneficial student medication reconciliation service IPPE at a community hospital. Poster presentation at the American Association of Colleges of Pharmacy Annual Conference, Nashville, TN.
79. Brock, T., Ferrone, M., Bates, I., **McLaughlin, J.E.**, Steeb, D., Holle, L., et al. (July, 2017). A ‘Rosetta Stone’ for pharmacy education – a global language and shared vision for collaboration. Podium presentation at the American Association of Colleges of Pharmacy Annual Conference, Nashville, TN.
80. Macary, M., Pinelli, N., and **McLaughlin, J.E.** (July, 2017). Setting standards for assessment of student learning and skill development in experiential education. Podium presentation at the American Association of Colleges of Pharmacy Annual Conference, Nashville, TN.
81. Persky, A.M., Romanelli, R., **McLaughlin, J.E.**, and Bush, A. (July, 2017). Building better pedagogic research: Laying the foundation for the scholarship of teaching and learning. Podium presentation at the American Association of Colleges of Pharmacy Annual Conference, Nashville, TN.
82. **McLaughlin, J.E.**, Rhoney, D., and Zeeman, J. (July, 2017). A program evaluation and research methods curriculum to prepare future pharmacy leaders for practice-based improvement initiatives. Poster presentation at the Monash Pharmacy Education Symposium, Prato, Italy.
83. **McLaughlin, J.E.**, White, P.J., Melendez, C., Galbraith, K.J., Kirkpatrick, C.M., and Larson, I. (July, 2017). Global perspectives about organizational readiness for change in pharmacy education. Podium presentation at the Monash Pharmacy Education Symposium, Prato, Italy.
84. Bush, A.A., Short, J., and **McLaughlin, J.E.** (July, 2017). Ensuring access to quality education in pharmacy for all students. Poster presentation at the Monash Pharmacy Education Symposium, Prato, Italy.
85. Rider, T., and **McLaughlin, J.E.** (June, 2017). Education strategies in design and pharmacy: A conceptual framework for collaboration. Podium presentation at ARCC Architecture of Complexity, Salt Lake City, UT.
86. **McLaughlin, J.E.**, Rhodes, L., Melendez, C., Marciniak, M., and Pinelli, N. (May, 2017). Immersion fidelity in pharmacy education practice experiences. Podium presentation at the Carolina Improvement Science Initiative, Chapel Hill, NC.

87. McLaughlin, G.W., McLaughlin, J.S., and **McLaughlin, J.E.** (May, 2017). Composite measures: A method for building and measuring quality. Podium presentation at Association for Institutional Research, Washington DC.
88. Bush, A.A., **McLaughlin, J.E.**, and White, C. (March, 2017). An innovative framework to review and categorize diversity-related literature in health professions. Poster presentation at the North Carolina Alliance for Health Professions Diversity Conference.
89. Rhodes, L., Macary, M., Tucker, J., **McLaughlin, J.E.**, Leadon, K., and Pinelli, N.R. (October, 2016). Assessing the use of entrustable professional activities during early practice experiences in a doctor of pharmacy program. Poster presentation at the American College of Clinical Pharmacists Annual Conference, Hollywood, FL.
90. **McLaughlin, J.E.** et al. (October, 2016). Early clinical immersion as inpatient psychiatry medication education group leaders. Poster presentation as an encore presentation at American College of Clinical Pharmacists Annual Conference, Hollywood, FL.
91. Zeeman, J.M., Bush, A.A., **McLaughlin, J.E.**, Wingo, B., Cox, W.C., and Buhlinger, K. (October, 2016). Mapping student development opportunities through co-curricular involvement to program outcomes. Podium presentation at the Assessment Institute, Indianapolis, IN.
92. McLaughlin, G.W., McLaughlin, J.S., and **McLaughlin, J.E.** (September, 2016). Building quality composite indicators to support quality partnerships. Podium presentation at the European Association for Institutional Research Annual Forum, Birmingham, UK.
93. Williams, C., **McLaughlin, J.E.**, Rodgers, P.T., Leadon, K.I., and Khanova, J. (July, 2016). Advanced pharmacy practice experiences and leadership: Patterns of preceptor confidence and student engagement. Poster presentation at the American Association of Colleges of Pharmacy Annual Conference, Anaheim, CA.
94. Greene, J.M., Khanova, J., Jay, M., and **McLaughlin, J.E.** (July, 2016). Quality by Design (QbD) in the classroom: Identifying critical quality attributes for the flipped classroom. Poster presentation at the American Association of Colleges of Pharmacy Annual Conference, Anaheim, CA.
95. Sanders, K.A., Wolcott, M.D., D'Ostroph, A., Shea, C.M., **McLaughlin, J.E.**, and Pinelli, N.R. (July, 2016). Organizational readiness for early immersion of student pharmacists in healthy-system practice. Poster presentation at the American Association of Colleges of Pharmacy Annual Conference, Anaheim, CA.
96. Bush, A.A., Zeeman, J.Z., et al. (July, 2016). Identifying skills gained through student participation in student organizations. Roundtable presentation at the American Association of Colleges of Pharmacy Annual Conference, Anaheim, CA.
97. **McLaughlin, J.E.**, Bush, A.A., Scott, M.A., Rodgers, P.T., Zomorodi, M., and Roth, M.T. (July, 2016). Understanding the job to be done by pharmacy graduates. Poster presentation at the American Association of Colleges of Pharmacy Annual Conference, Anaheim, CA.
98. Zeeman, J.M., **McLaughlin, J.E.**, and Cox, W.C. (July, 2016). Validity and reliability of a PharmD application review process utilizing dedicated application reviewers. Poster presentation at the American Association of Colleges of Pharmacy Annual Conference, Anaheim, CA.
99. Costelloe, M., White, P., Bates I., Brock, T. et al (July, 2016). It's a small world - A model for meaningful and sustainable global pharmacy education collaboration. Podium presentation at the American Association of Colleges of Pharmacy Annual Conference, Anaheim, CA.
100. **McLaughlin, J.E.**, Zhang, K., McLaughlin, G.W., and McLaughlin, J.S. (June, 2016). Institutional rankings in the health sciences: Proliferation and standards. Podium presentation at the Association for Institutional Research Annual Forum, New Orleans, LA.

101. Zhang, K., **McLaughlin, J.E.**, and Jaeger, A. (June, 2016). Time-to-degree: A multilevel model of health sciences using national data. Podium presentation at the Association for Institutional Research Annual Forum, New Orleans, LA.
102. McLaughlin, G.W., **McLaughlin, J.E.**, Whalen, S., Howard, R., and McLaughlin, J.S. (June, 2016). Measuring the success of transfer students: A new metric evaluated. Podium presentation at the Association for Institutional Research Annual Forum, New Orleans, LA.
103. Lookabill, S.K., **McLaughlin, J.E.**, and Shepherd, G. (April, 2016). Survey evaluation of rational and experiential decision making preferences in specialists in poison information. Poster presentation at Research in Education and Practice Symposium at the UNC Eshelman School of Pharmacy, Chapel Hill, NC.
104. Bush, A.A., **McLaughlin, J.E.**, and White, C.Y. (April, 2016). A systematic review of contemporary diversity literature in pharmacy education. Podium presentation at the American Educational Research Association Annual Meeting, Washington, D.C.
105. **McLaughlin, J.E.**, McLaughlin, J.S., and McLaughlin, G.W. (October, 2015). Aligning program-level assessment with course redesign. Podium presentation at the Southern Association for Institutional Research Annual Conference, Savannah, GA.
106. Lookabill, S., Shepherd, G., and **McLaughlin, J.E.** (October, 2015). Survey evaluation of rational and experiential decision making preferences in specialists of poison information. Poster presentation at the North American Congress of Clinical Toxicology Annual Meeting, San Francisco, CA.
107. Sanders, K.A., Waldron, K., Willoughby, I., **McLaughlin, J.E.**, and Pinelli, N.R. (October, 2015). Educational outcomes associated with student pharmacist immersion in accountable patient-care roles in health-system practice. Poster presentation at the American College of Clinical Pharmacy Global Conference, San Francisco, CA.
108. McLaughlin, G.W., McLaughlin, J.S., and **McLaughlin, J.E.** (September, 2015). College ratings and rankings: Beyond the Berlin Principles. Podium presentation at the European Association for Institutional Research Annual Forum, Krems, Austria.
109. Khanova, J., **McLaughlin, J.E.**, Roth, M., and Rodgers, J.E. (July, 2015). The flipped classroom: How students experience learning. Poster presentation at the Monash Pharmacy Education Symposium, Prato, Italy.
110. Khanova, J., **McLaughlin, J.E.**, Rodgers, J.E., and Roth, M.T. (July, 2015). Variations in implementation of the flipped classroom model. Poster presentation at the Monash Pharmacy Education Symposium, Prato, Italy.
111. **McLaughlin, J.E.**, Rodgers, P., and Williams, C. (July, 2015). Understanding patterns of preceptor grading in advanced pharmacy practice experiences using Multi-Facet Rasch Modeling. Poster presentation at the American Association of Colleges of Pharmacy Annual Conference, National Harbor, MD.
112. Singer, D., Cox, W.C., and **McLaughlin, J.E.** (July, 2015). The Multiple mini-interview as an admission tool for a PharmD program satellite campus. Poster presentation at the American Association of Colleges of Pharmacy Annual Conference, National Harbor, MD.
113. Costelloe, M., Galbraith, K., Larson, I., Sewell, K. et al (July, 2015). From Prato to Maryland: Transforming practice through global education collaboration. Podium presentation at the American Association of Colleges of Pharmacy Annual Conference, National Harbor, MD.
114. **McLaughlin, J.E.** and Billings, E. (May, 2015). Faculty activity reporting: Meeting the needs of multiple stakeholders. Podium presentation at the Association for Institutional Research Annual Forum, Denver, CO.

115. McLaughlin, G.W., McLaughlin, J.S., and **McLaughlin, J.E.** (May, 2015). Institutional ratings and rankings: Extending the Berlin Principles. Podium presentation at the Association for Institutional Research Annual Forum, Denver CO.
116. **McLaughlin, J.E.**, et al. (July, 2014). Improved organizational outcomes and enhanced student learning in an early immersion program at an academic medical center. Poster presentation at the American Association of Colleges of Pharmacy Annual Meeting, Dallas, TX.
117. **McLaughlin, J.E.** and Rhoney, D. (July, 2014). The impact of an interactive e-learning tool in a flipped seizure module of neurologic pharmacotherapy. Poster presentation at the American Association of Colleges of Pharmacy Annual Meeting, Dallas, TX.
118. Shepherd, G., Williams, C., Cox, W.C., and **McLaughlin, J.E.** (July, 2014). Impact of decision making style preference on advanced pharmacy practice experience performance. Poster presentation at the American Association of Colleges of Pharmacy Annual Meeting, Dallas, TX.
119. **McLaughlin, J.E.** and Cox, W. C. (July, 2014). Assessment of non-cognitive attributes in admissions: Benefits, challenges, and next steps. Workshop presentation at American Association of Colleges of Pharmacy Annual Meeting, Dallas, TX.
120. Shah, S., Hawes, E., Mangun, J., Rao, K., Eckel, S., and **McLaughlin, J.E.** (June, 2014). Evaluation of the quality of a residency assessment program. Poster presentation at the American Society of Health-Systems Pharmacy Annual Meeting, Las Vegas, NV.
121. **McLaughlin, J.E.**, McLaughlin, G.W., McLaughlin, J.S., and White, C.Y. (May, 2014). Measuring diversity: A new approach for health professions education. Podium presentation at Association for Institutional Research Annual Conference, Orlando, FL.
122. Royal, K. and **McLaughlin, J.E.** (April, 2014). Using propensity score matching to compare learning outcomes between two medical school groups of unequal size. Roundtable presentation at American Educational Research Association Annual Meeting, Philadelphia, PA.
123. McLaughlin, G.W., **McLaughlin, J.E.**, and McLaughlin, J.S. (March, 2014). A note on measuring the diversity of the MBA. Podium presentation at Business, Society, and Government Consortium Annual Conference, Chicago, IL.
124. McLaughlin, G.W., McLaughlin, J.S., and **McLaughlin, J.E.** (October, 2013). A note on diversity. Podium presentation at the Illinois Association for Institutional Research, Peoria, IL.
125. **McLaughlin, J.E.**, Stachler, S., Griffith, R, and McLaughlin, G.W. (October, 2013). Non-cognitive measurement in admissions: Value, impact, and implications. Podium presentation at the Southern Association for Institutional Research Annual Conference, Memphis, TN.
126. Shepherd, G., Cox, W., Williams, C., and **McLaughlin, J.E.** (October, 2013). Decision making style preference among third year pharmacy students. Poster presentation at the American College of Clinical Pharmacy Annual Meeting, Albuquerque, NM.
127. Sloane, A.B., **McLaughlin, J.E.**, and Roth, M.T. (October, 2013). Effectively using student course evaluation results to improve course and instructor effectiveness. Podium presentation at the Assessment Institute Annual Meeting, Indianapolis, IN.
128. Gharkolonarehe, N. **McLaughlin, J.E.**, and Rodgers J. (July, 2013). Impact of a blended-learning approach on student engagement, performance, and satisfaction in a pharmacotherapy course. Poster presentation at the American Association of Colleges of Pharmacy Annual Meeting, Chicago, IL.

129. McClurg, M.T., Singleton, S., Rodgers, P.T., Lee, C., **McLaughlin, J.E.**, Moore, J., Guidotti, M., Joyner, P.U., Mumper, R.J., Blouin, R.A. (July, 2013). A systems approach to innovation in pharmacy education. Poster presentation at the American Association of Colleges of Pharmacy Annual Meeting, Chicago, IL.
130. Cox, W.C., and **McLaughlin, J.E.** (July, 2013). Association of Health Sciences Reasoning Test scores with academic and clinical performance. Poster presentation at the American Association of Colleges of Pharmacy Annual Meeting, Chicago, IL.
131. **McLaughlin, J.E.**, Stachler, S. and Griffith, R. (May, 2013). Non-cognitive measurement in admissions: Value, impact, and implications. Podium presentation at Association for Institutional Research Annual Conference, Long Beach, CA.
132. McLaughlin, G.W., McLaughlin, J.S., **McLaughlin, J.E.**, and Abu-Khadra, H. (July, 2012). Student Diversity Index: Alternative measures supporting strategic and functional planning. Podium presentation at the Society for College and University Planning Annual Conference and Idea Marketplace, Chicago, IL.
133. McLaughlin, G.W., **McLaughlin, J.E.**, and McLaughlin, J.S. (June, 2012). Rethinking diversity metrics and indices. Podium presentation at the International Association for Business and Society, Asheville, NC.
134. **McLaughlin, J.E.** (November, 2011). Understanding the academic progress of student-athletes: A model of team and institutional effects on academic eligibility at Division I institutions. Poster presentation at the Association for the Study of Higher Education Annual Conference, Charlotte, NC.
135. McLaughlin, G.W., McLaughlin, J.S., and **McLaughlin, J.E.** (October, 2011). Developing diversity metrics for higher education: Next steps. Podium presentation at the Southern Association for Institutional Research Annual Conference, Atlanta, GA.
136. **McLaughlin, J.E.** (April, 2011). The Academic Progress Rate and NCAA basketball: Measuring institutional effects. Poster presentation at the NC State Department of Leadership, Policy, and Adult and Higher Education Graduate Student Symposium, Raleigh, NC.
+First Place and People's Choice Award Winner
137. **McLaughlin, J.E.** (April, 2010). Exploring the relationship between the NCAA's Academic Progress Rate and federal graduation rates. Poster presentation at the NC State Adult Education and Training & Development Graduate Student Symposium, Raleigh, NC.
138. **McLaughlin, J.E.**, and Young, T.V. (June, 2009). The NCAA's Academic Progress Rate: Understanding the new measure and predicting Division I football scores. Poster presentation at the Association for Institutional Research Annual Forum, Atlanta, GA.
139. **McLaughlin, J.E.**, Bartlett, J.E., and Bartlett, M.E. (April, 2009). An analysis of participation patterns for work-related courses and personal interest courses. Podium presentation at the American Educational Research Association Annual Meeting, San Diego, CA.
140. **McLaughlin, J.E.**, and Malkin, R.A. (October, 2002). Experimental tachycardias in mice lacking VLCAD. Poster presentation at the Tennessee Biomedical Engineering Conference, Nashville, TN.
+First Place Award Winner
141. **McLaughlin, J.E.**, and Malkin, R.A. (May, 2001). The effects of ketamine/xylazine mixture on heart rate and heart rate variability in mice. Poster presentation at the Southern Biomedical Engineering Conference, Birmingham, AL.

INVITED PRESENTATIONS AND PUBLICATIONS: National/International

1. **McLaughlin, J.E.** (February, 2022). Research collaborations and building a research team. Invited panelist for American Association of Colleges of Pharmacy webinar.

2. **McLaughlin, J.E.**, Malhotra, J., Schellhase, E., Miller, M. (February, 2022). From global to local: Preparing students through global experiences. Invited panelist at American Association of Colleges of Pharmacy Interim Meeting.
3. **McLaughlin, J.E.** (December, 2021). Evidence-based curriculum design. Invited talk to Medical University of South Carolina Annual Faculty Retreat.
4. **McLaughlin, J.E.**, Orlando, L., Pyzik, O., and Short, J., (December, 2021). Current challenges and successes in pharmacy and pharmaceutical science education. Invited talk to Australasian Pharmaceutical Science Association Annual Conference. **Presented virtually due to COVID-19 pandemic.
5. **McLaughlin, J.E.**, Connor, S., Frankart, L., Lynch, S., Robinson, H., and Sirohi, S. (November, 2021). Crafting a quality submission for the AACP SoTL Grant. Invited webinar for American Association of Colleges of Pharmacy.
6. White, P., Angelo, T., and **McLaughlin, J.E.** (November, 2021). Core concepts in pharmacy and pharmaceutical education. Invited talk to Annual PharmAlliance Week, Education Domain and UNC Research Week. **Presented virtually due to COVID-19 pandemic.
7. Ernst, M., **McLaughlin, J.E.**, Cochran, G., Thomas, J., and Kane-Gill, S. (November, 2021). Research primer (educational research in clinical pharmacy), Research basics, Building effective research teams, and Qualitative & mixed methods. Invited talks to American College of Clinical Pharmacists, Research and Scholarship Academy, Phoenix, AZ.
8. **McLaughlin, J.E.**, et al. (July, 2021). Endless possibilities: Discussing career pathways for mid-career faculty. Invited panelist at the American Association of Colleges of Pharmacy Annual Conference. Facilitated by Morbitzer, K., Edwards, A., and Brown, S. **Presented virtually due to COVID-19 pandemic.
9. Ernst, M., **McLaughlin, J.E.**, Cochran, G. Baker, W.L., Moga, D. and Snyder, M.E. (April, 2021). Statistical issues & Regulatory and ethical issues. Invited talk to American College of Clinical Pharmacists, Research and Scholarship Academy Midyear Meeting, St Louis, MO. **Presented virtually due to COVID-19 pandemic.
10. Kane-Gill, S., Thomas, J., and **McLaughlin, J.E.** (April, 2021). Survey and interview design. Invited talk to American College of Clinical Pharmacists, Research and Scholarship Academy. **Presented virtually due to COVID-19 pandemic.
11. **McLaughlin, J.E.** (April, 2021). Equipping faculty for collaborative education and research. Invited talk to South University School of Pharmacy. **Presented virtually due to COVID-19 pandemic.
12. **McLaughlin, J.E.** (March, 2021). Curriculum integration in pharmacy education. Invited talk to Pacific University School of Pharmacy. **Presented virtually due to COVID-19 pandemic.
13. Ernst, M., **McLaughlin, J.E.**, Cochran, G., Thomas, J., and Kane-Gill, S. (February, 2021). Research primer (educational research in clinical pharmacy), Research basics, & Building effective research teams. Invited talks to American College of Clinical Pharmacists, Research and Scholarship Academy. **Presented virtually due to COVID-19 pandemic.
14. Ernst, M., **McLaughlin, J.E.**, Cochran, G. Baker, W.L., Moga, D. and Snyder, M.E. (October, 2020). Statistical issues & Regulatory and ethical issues. Invited talk to American College of Clinical Pharmacists, Research and Scholarship Academy Midyear Meeting, St Louis, MO. **Presented virtually due to COVID-19 pandemic.
15. Daley, M., Ku, B., **McLaughlin, J.E.**, Trowbridge, M. (August, 2020). Design thinking in health education. Invited panelist for 2020 Design and Health Symposium, hosted by NC State College of Design, Chair: Rider, T.R.

16. **McLaughlin, J.E.** (July, 2020). Making expert thinking visible: Cognitive apprenticeship in pharmacy education. Invited talk to the American Association of Colleges of Pharmacy Annual Meeting, Long Beach, CA. **Presented virtually due to COVID-19 pandemic.
17. **McLaughlin, J.E.** (May, 2020). Fostering the Scholarship of Teaching and Learning within a new curriculum. Invited workshop session with University of Houston College of Pharmacy. **Presented virtually due to COVID-19 pandemic.
18. **McLaughlin, J.E.**, Cochran, G. Baker, W.L., Moga, D., Snyder, M.E. and Ernst, M. (April, 2020). Building effective research teams. Invited talk to American College of Clinical Pharmacists, Research and Scholarship Academy Midyear Meeting, St Louis, MO. **Canceled due to COVID-19 pandemic.
19. Ernst, M., **McLaughlin, J.E.**, Cochran, G. Baker, W.L., Moga, D. and Snyder, M.E. (April, 2020). Statistical issues & Regulatory and ethical issues. Invited talk to American College of Clinical Pharmacists, Research and Scholarship Academy Midyear Meeting, St Louis, MO. **Canceled due to COVID-19 pandemic.
20. Hatton Kolpek, J., **McLaughlin, J.E.** Cochran, G., and Kane-Gill, S. (October, 2019) Research primer (educational research in clinical pharmacy) & Research basics. Invited talk to American College of Clinical Pharmacists, Research and Scholarship Academy, New York, NY.
21. **McLaughlin, J.E.** (May, 2019). Beginner's guide to the scholarship of teaching and learning. Invited talk to University of British Columbia Faculty of Pharmaceutical Sciences, Vancouver, Canada.
22. Hatton Kolpek, J., **McLaughlin, J.E.**, Cochran, G. Baker, W.L., Moga, D. and Snyder, M.E. (April, 2019). Statistical issues & Regulatory and ethical issues. Invited talk to American College of Clinical Pharmacists, Research and Scholarship Academy Midyear Meeting, St Louis, MO.
23. **McLaughlin, J.E.** (March, 2019). Evidence-based curriculum design in pharmacy education. Invited talk to Pacific University School of Pharmacy, Hillsboro, OR.
24. **McLaughlin, J.E.** (February, 2019). Evidence-based course design: Rethinking pedagogy in pharmacy education. Invited talk to University of Houston College of Pharmacy, Department of Pharmacy Practice and Translational Research, Houston, TX.
25. **McLaughlin, J.E.** (February, 2019). Ten tips for education research in pharmacy. Invited talk to Monash University Faculty of Pharmacy and Pharmaceutical Sciences, Melbourne, Australia.
26. Lyons, K., Minshew, L., and ***McLaughlin, J.E.** (2018). Letter to the Editor: Author response to student and school-level predictors of pharmacy residency attainment. *American Journal of Pharmaceutical Education*, 82(8), Article 7320.
27. Hatton Kolpek, J., **McLaughlin, J.E.** Cochran, G., and Kane-Gill, S. (October, 2018) Research primer (educational research in clinical pharmacy) & Research basics. Invited talk to American College of Clinical Pharmacists, Research and Scholarship Academy, Seattle, WA.
28. **McLaughlin, J.E.** (2018). Flipped classrooms, by design. Invited commentary to *Medical Education*, 52(9), 887-888.
29. **McLaughlin, J.E.** (September, 2018). Innovation in academy. Invited talk to International Pharmaceutical Federation Annual Congress, Glasgow, Scotland.
30. **McLaughlin, J.E.** (June, 2018). Making expert thinking visible: Research-based strategies. Invited talk to Midwestern University Chicago College of Pharmacy Annual Faculty Retreat, Chicago, IL.

31. Hatton Kolpek, J., **McLaughlin, J.E.**, Cochran, G. Baker, W.L., Moga, D. and Snyder, M.E. (February, 2018). Statistical issues & Regulatory and ethical issues. Invited talk to American College of Clinical Pharmacists, Research and Scholarship Academy Midyear Meeting, Jacksonville, FL.
32. Bush, A.A., White, C., and ***McLaughlin, J.E.** (2018). Letter to the editor: Author response to a review of contemporary diverse literature in pharmacy education. *American Journal of Pharmaceutical Education*, 82(2), Article 6984.
33. Albon, S., Gubbins, S., Janke, K., and **McLaughlin, J.E.** (November, 2017). Strengthening education scholarship. Invited speaker to *American Association of Colleges of Pharmacy Fall Institute*, Washington, D.C.
 - a. **McLaughlin, J.E.** Session III: Designing strong scholarly initiatives.
 - b. **McLaughlin, J.E.** Session IV: Robust data and analysis.
 - c. Albon, S., Gubbins, P., Janke, K., and **McLaughlin, J.E.** Session VIII: Secrets from the trenches.
34. Hatton Kolpek, J., **McLaughlin, J.E.** Cochran, G., and McClurg, M. (October, 2017) Research primer (educational research in clinical pharmacy) & Research basics. Invited talk to American College of Clinical Pharmacists, Research and Scholarship Academy, Phoenix, AZ.
35. Persky, A.M., Greene, J.M., Angelo, T., Anksorus, H., Fuller, K., and **McLaughlin, J.E.** (July, 2017). Developing an innovative, comprehensive first-1 year capstone to assess and improve student learning and curriculum effectiveness. Invited talk to American Association of Colleges of Pharmacy, Nashville, TN.
+**Excellence in Assessment Award from AACP**
36. Cox, W.C., and **McLaughlin, J.E.** (July, 2017). The multiple mini-interview in pharmacy education. Invited talk to PharmAlliance Symposium for Pharmacy Education, Prato, Italy.
37. White, P., Angelo, T.A., and **McLaughlin, J.E.** (July, 2017). First steps in education research. Invited talk to PharmAlliance Symposium for Pharmacy Education, Prato, Italy.
38. ***Scott, M.A., McLaughlin, J.E., et al.** (2017). Letter to the editor: Author response to considerations for determining perceived benefits and challenges of student organizations at pharmacy school satellite campuses. *American Journal of Pharmaceutical Education*, 81(2), Article 40.
39. Hatton-Kolpek, J., **McLaughlin, J.E.**, Cochran, G. Baker, W.L., Moga, D. and Snyder, M.E. (February, 2017). Statistical issues & Regulatory and ethical issues. Invited talk to American College of Clinical Pharmacists, Research and Scholarship Academy Midyear Meeting, Jacksonville, FL.
40. **McLaughlin, J.E.** Cochran, G., McClurg, M., and Hatton-Kolpek, J. (October, 2016). Research primer (educational research in clinical pharmacy) & Research basics. Invited talk to American College of Clinical Pharmacists, Research and Scholarship Academy, Hollywood, FL.
41. Cox, W.C., and **McLaughlin, J.E.** (September, 2016). Assessment of admissions. Invited talk to American Association of Colleges of Pharmacy Fall Institute, Charlotte, NC. *Conference postponed to January, 2017 in Alexandria, VA.*
42. **McLaughlin, J.E.** et al. (July, 2016). Early clinical immersion as inpatient psychiatry medication education group leaders. Invited poster to American Association of Colleges of Pharmacy, Anaheim, CA.
43. Hatton-Kolpek, J., **McLaughlin, J.E.**, Cochran, G. and Baker, W.L. (April, 2016). Statistical issues & Regulatory and ethical issues. Invited talk to American College of Clinical Pharmacists, Research and Scholarship Academy Midyear Meeting, Phoenix, AZ.
44. **McLaughlin, J.E.** (October, 2015). Student experiences across multiple flipped courses in a single curriculum. Invited podcast hosted by Medical Education (Ed. Eva, K.), released October 5, 2015.
<https://itunes.apple.com/gb/podcast/medical-education-podcasts/id784455563>

45. Hatton-Kolpek, J., **McLaughlin, J.E.** Cochran, G., and McClurg, M. (October, 2015). Research primer (educational research in clinical pharmacy) & Research basics. Invited talk to American College of Clinical Pharmacists, Research and Scholarship Academy, San Francisco, CA.
46. ***McLaughlin, J.E.**, Sloane, A., Billings, E., and Roth, M. T. (2015). Evaluation of a school-wide systematic, closed loop course evaluation process that improves course and instructor effectiveness. *Assessment Update*, 27(5), 3-13.
47. **McLaughlin, J.E.** and Roth, M.T. (October, 2015). The Flipped Classroom. Invited talk to American College of Clinical Pharmacists Global Conference, San Francisco, CA.
48. Singleton, S. and **McLaughlin, J.E.** (March, 2015). Curriculum transformation and the scholarship of education. Monash University, Melbourne Australia.
49. **McLaughlin, J.E.** (2015). Global collaboration in pharmacy education. *ACCP Teaching and Learning*, 8(2), 3-4.
50. **McLaughlin, J.E.**, Roth, M.T., and *Mumper, R. J. (2014). In reply to Spangler. *Academic Medicine*, 89, 1429-1430.
51. Mumper, R.J., **McLaughlin, J.E.**, Gharkholonareh, N., Glatt, D.M., and Roth, M.T. (2014). Behind the scenes of a flipped classroom course redesign. Invited blog entry for *Academic Medicine: AM Rounds*.
<http://academicmedicineblog.org/2014/01/06/behind-the-scenes-of-a-flipped-classroom-course-redesign-part-i/>
52. *Fulford, M.J., Souza, J.M., Alston, G.L., **McLaughlin, J.E.**, Garavalia, L., Franson, K., et al. (2014). Are you CAPE-A.B.L.E.? Center for the Advancement of Pharmacy Education: An assessment blueprint for learning experiences. *CAPE: Assessment SIG paper*. <http://www.aacp.org/resources/education/cape/Pages/default.aspx>
53. **McLaughlin, J.E.** and Roth, M. T. (October, 2014). Educational research and scholarship. Invited talk to American College of Clinical Pharmacists Annual Meeting, Research and Scholarship Academy, Austin, TX.
54. **McLaughlin, J.E.**, and Roth M.T. (2014). Teaching scholarship and research. *ACCP Teaching and Learning*, 8(1), 3-4.
55. Roth, M.T., and **McLaughlin, J.E.** (November, 2013). Strategic planning at the UNC Eshleman School of Pharmacy. Invited talk to Taskstream Strategic Planning User Group, Live Virtual.
56. **McLaughlin, J.E.** (2012). Student-athlete academic progress: A multilevel analysis of team, institutional, and conference effects on academic eligibility at Division I institutions. *Issues in Intercollegiate Athletic Leadership Working Paper Series*.

INVITED PRESENTATIONS AND PUBLICATIONS: State/Local

1. Bernacki, M., Larson, J., Jordan, S., **McLaughlin, J.E.**, Shemer, G. (April, 2021). Teaching as research: Am I making a difference? 2020 UNC Center for Faculty Excellence Showcase on Teaching.
2. **McLaughlin, J.E.** (February, 2021). Cultivating design mindsets to address social crises. Elon University Center for Design Thinking.
3. **McLaughlin, J.E.** (January, 2021). Best practices for interviewing graduate school candidates. UNC Eshelman School of Pharmacy Graduate Education and Research Retreat.
4. Hahn, F., Albon, S., and **McLaughlin, J.E.** (January, 2021). Exploring relevance in pharmaceutical sciences education. UNC Eshelman School of Pharmacy Graduate Education and Research Retreat.
+Winner of Best Presentation for Graduate and Postdoctoral Research in the Time of COVID

5. **McLaughlin, J.E.** (March, 2020). Entrustable professional activities. UNC Adams School of Dentistry, Chapel Hill, NC. **Canceled due to COVID-19 pandemic
6. **McLaughlin, J.E.** (January, 2020). Evidence-based teaching practice: Rethinking pedagogy in health professions education. UNC Adams School of Dentistry, Chapel Hill, NC.
7. **McLaughlin, J.E.,** and Hahn, F. (December, 2019). Teaching adult learners. Invited talk to UNC School of Medicine Academic Medicine Rotation, UNC School of Medicine, Chapel Hill, NC.
8. Angelo, T., Farland, M., **McLaughlin, J.E.,** and Royal, K. (May, 2019). CIPhER Summer Institute in Evidence-Based Teaching and Course Design. UNC Eshelman School of Pharmacy, Chapel Hill, NC.
9. **McLaughlin, J.E.,** and Minshew, L. (January, 2019). Small-group facilitation. Invited talk to UNC Eshelman School of Pharmacy, Chapel Hill, NC.
10. **McLaughlin, J.E.,** Lyons, K., and Wolcott, M. (November, 2018). Teaching adult learners. Invited talk to UNC School of Medicine Academic Medicine Rotation, UNC School of Medicine, Chapel Hill, NC.
11. **McLaughlin, J.E.** (September, 2018). Training students for expertise: Research-based strategies. Invited talk to North Carolina State University College of Veterinary Medicine, Raleigh, NC.
12. **McLaughlin, J.E.** (August, 2018). Making feedback more effective and efficient. Invited roundtable leader, UNC Eshelman School of Pharmacy Teaching Assistant Training, Chapel Hill, NC.
13. Angelo, T., Brock, T., **McLaughlin, J.E.,** and Royal, K. (May, 2018). CIPhER Summer Institute in Evidence-Based Teaching and Course Design. UNC Eshelman School of Pharmacy, Chapel Hill, NC.
14. **McLaughlin, J.E.,** Zeeman, J.M., and Persky, A. (May, 2018). Assessment of student learning and continuous quality improvement in graduate education. UNC Eshelman School of Pharmacy, Division of Pharmacotherapy and Experimental Therapeutics Annual Retreat, Chapel Hill, NC.
15. **McLaughlin, J.E.,** Hubbard, D., and Wolcott, M. (April, 2018). Improving educational efficiency and effectiveness using design-based principles. UNC Eshelman School of Pharmacy CIPhER Friday Series, Chapel Hill, NC.
16. **McLaughlin, J.E.,** and Bush, A.A. (March 2018). Mixed methods: combining quantitative and qualitative data. UNC Eshelman School of Pharmacy CIPhER Friday Series, Chapel Hill, NC.
17. **McLaughlin, J.E.,** Lyons, K., and Wolcott, M. (November, 2017). Teaching adult learners. Invited talk to UNC School of Medicine Academic Medicine Rotation, UNC School of Medicine, Chapel Hill, NC.
18. **McLaughlin, J.E.,** Cox, W.C., and Zeeman, J. (June, 2017). Social and professional competence. 2017 Assessment Day, UNC Eshelman School of Pharmacy, Chapel Hill, NC.
19. Staats, B., Kainz, K. and **McLaughlin, J.E.** (May, 2017). Discussant for the Carolina Improvement Sciences Initiative Lightning Symposium, UNC, Chapel Hill, NC.
20. Pinelli, N.R. and **McLaughlin, J.E.** (December, 2016). Re-envisioning experiential education. Annual Preceptor and Partner Symposium, UNC Eshelman School of Pharmacy, Chapel Hill, NC.
21. **McLaughlin, J.E.** and Boyette, T. (November 2016). Collaborative partnerships in education. UNC School of Education Brown Bag Lunch Series, Chapel Hill, NC.
22. **McLaughlin, J.E.** (October, 2016). Toward continuous curricular improvement. Educational Renaissance Symposium, UNC Eshelman School of Pharmacy, Chapel Hill, NC.

23. **McLaughlin, J.E.** (September, 2016). Curriculum design and research: Understanding education in the rapidly evolving world of healthcare. Invited talk to NC State College of Design Seminar, NC State, Raleigh, NC.
24. **McLaughlin, J.E.** (September, 2016). Applied educational research in the health sciences. Department of Learning Sciences & Psychological Studies seminar series, School of Education, UNC, Chapel Hill, NC.
25. **McLaughlin, J.E.** (June, 2016). Results of the Capstone Multiple Mini Interview. UNC Eshelman School of Pharmacy Town Hall, Chapel Hill, NC.
26. **McLaughlin, J.E.**, Eckel, S.F., and Morbitzer, K. (September, 2015). Research perspectives. PHCY 811: Contemporary and Applied Communications in Healthcare, Chapel Hill, NC.
27. *Roth, M.T., Mumper, R.J., Singleton, S.F., Lee, C.R., Rodgers, P.T., Cox, W.C., **McLaughlin, J.E.**, Joyner, P., and Blouin, R.A. (2014). A renaissance in pharmacy education at the University of North Carolina at Chapel Hill. *North Carolina Medical Journal*, 75(1), 48-52.
28. **McLaughlin, J.E.** and Billings, E. (October, 2014). Leveraging data for informed decision-making. UNC Eshelman School of Pharmacy Office of Advancement, Chapel Hill, NC.
29. **McLaughlin, J.E.** and Billings, E. (July, 2014). Student affairs assessment and planning. UNC Eshelman School of Pharmacy Office of Student Affairs Annual Retreat, Chapel Hill, NC.
30. **McLaughlin, J.E.** (June, 2014). Measuring diversity. Diversity Forum hosted by the UNC Eshelman School of Pharmacy, Chapel Hill, NC.
31. Billings, E., **McLaughlin, J.E.**, and Sloane, A. (May, 2014). Surveys 101. UNC Eshelman School of Pharmacy Lunch and Learn Series, Chapel Hill, NC.
32. **McLaughlin, J.E.** (March, 2014). The flipped classroom: The model and its implications. UNC School of Education Brown Bag Lunch Series, Chapel Hill, NC.

OTHER (e.g., Book Reviews, Blog Posts, Technical Reports, Scholarly Products)

1. **McLaughlin, J.E.** and Wolcott, M. (September, 2021). *REPORT: PharmD curriculum outcomes*. At the request of Cox, W.
2. Brouwer, K.L.R., Layton, R., Leysieffer, K.E., **McLaughlin, J.E.**, Nichols, R., and Watson, P. (September, 2021). T32 Program Evaluation Resources. <https://tarheels.live/t32programevaluation/>
***Featured in press release** <https://pharmacy.unc.edu/2021/11/unc-team-leads-resource-for-evaluation-of-research-training-programs/>
3. **McLaughlin, J.E.** and Layton, R. (September, 2021). Adaptability: What it is and how to promote it. Licensed under CCL 4.0. <https://tarheels.live/t32programevaluation/surveys/skill-development/>
4. **McLaughlin, J.E.** and Layton, R. (September, 2021). Trainee Wellness: What it is and how to promote it. Licensed under CCL 4.0. <https://tarheels.live/t32programevaluation/surveys/program-characteristics/>
5. **McLaughlin, J.E.** and Layton, R. (September, 2021). Quality Mentoring: What it is and how to promote it. Licensed under CCL 4.0. <https://tarheels.live/t32programevaluation/surveys/program-characteristics/>
6. **McLaughlin, J.E.** and Layton, R. (September, 2021). Research Self-Efficacy: What it is and how to promote it. Licensed under CCL 4.0. <https://tarheels.live/t32programevaluation/surveys/program-characteristics/>
7. **McLaughlin, J.E.** and Layton, R. (September, 2021). Job Placement & Fit: What it is and how to promote it. Licensed under CCL 4.0. <https://tarheels.live/t32programevaluation/surveys/program-characteristics/>
8. Layton, R. and **McLaughlin, J.E.** (September, 2021). Resilience: What it is and how to promote it. Licensed under CCL 4.0. <https://tarheels.live/t32programevaluation/surveys/skill-development/>
9. Layton, R. and **McLaughlin, J.E.** (September, 2021). Collaboration: What it is and how to promote it. Licensed under CCL 4.0. <https://tarheels.live/t32programevaluation/surveys/skill-development/>
10. Layton, R. and **McLaughlin, J.E.** (September, 2021). Communication: What it is and how to promote it. Licensed under CCL 4.0. <https://tarheels.live/t32programevaluation/surveys/skill-development/>

11. Hahn, F. and **McLaughlin, J.E.** (March, 2021). *REPORT*: Postdoctoral experiences in the T32 Clinical Pharmacology Training Program. At the request of Brouwer, K. and Gonzalez, D.
12. Morbitzer, K. and **McLaughlin, J.E.** (July, 2020). CIPhER online teaching and learning resources. <https://faopharmacy.unc.edu/return-to-campus/> Accessed Aug 10, 2020.
13. Minshew, L., Lee, D. and **McLaughlin, J.** (July 2020). *REPORT*: Design and optimization of a cultural intelligence PharmD framework. At the request of Lee, D., McClurg, M. and White, C.
14. Morbitzer, K. and **McLaughlin, J.** (July, 2020). *REPORT*: Evaluation results for business of healthcare focus groups. At the request of Eckel, S. and McClurg, M.
15. **McLaughlin, J.E.** and Minshew, L. (May, 2020). Strategic themes from the Division of Practice Advancement and Clinical Education annual retreat. At the request of Ferreri, S. and Shepherd, G.
16. **McLaughlin, J.E.**, Coste-Sanchez, C., and Nguyen, F. (April, 2020). *REPORT*: Student experiences and perspectives of the UNC Eshelman School of Pharmacy Asheville campus. At the request of Scott, M.A.
17. **McLaughlin, J.E.**, Zeeman, J., and McClurg, M. (February, 2020). *REPORT*: 2020 Annual Educational Renaissance Symposium data summaries and findings. At the request of Kashuba, A.
18. **McLaughlin, J.E.** and Minshew, L. (December, 2019). *REPORT*: Curriculum-based focus groups with PharmD faculty at the UNC Eshelman School of Pharmacy. At the request of Kashuba, A. and McClurg, M.
19. **McLaughlin, J.E.**, Minshew, L., Olsen, A, Zeeman, J., and Bush, A. (August, 2019). *REPORT*: William H. and Karen Campbell Mentoring Program evaluation. At the request of Thakker, D. and Patterson, H.
20. Hubal, R. and **McLaughlin, J.E.** (2017). Professional social competency identification, assessment and training. *Decadal Survey of Social and Behavioral Sciences for Applications to National Security*, National Academies of Science, Engineering, and Medicine. <https://ideabuzz.com/a/buzz/nasem-bbccs/sbsdecadalsurvey>
21. **McLaughlin, J.E.** (2009). Counterfeit amateurs: An athlete's journey through the sixties to the age of academic capitalism. *Journal of Sports Economics*, 10(6), 667-673.

TEACHING ACTIVITIES

COURSES

Evaluation Research and Project Design (PACE 815)

Fall 2014-2021: section 001, 8-10 students

Course Director, Lead Instructor

Worthy of recognition in 2015, 2016

Pharmacy Bridging Course (PHCY 500)

Fall 2022: section 001, 160 students

Course Director

Biostatistics, Pharmacy Bridging Course (PHCY 500)

Fall 2015-2022: section 001, 160 students

Module Director, Lead Instructor

Worthy of recognition in 2015, 2016, 2017, 2020

Contemporary and Applied Communications in Healthcare (PHCY 821)

Spring 2020: section 001, 35 students

Instructor, Scholarly Communication

Research and Scholarship Pathway 1 (PHCY 624)

Spring 2019, 2021: section 001, 25-45 students

Instructor, Data Collection

Worthy of recognition in 2020, 2021

Research and Scholarship Pathway 2 (PHCY 725)

Fall 2019-2021: section 001, 25 students

Instructor, Data Management

Worthy of recognition in 2019

Research and Scholarship Pathway 3 (PHCY 726)
Spring 2018-2021: section 001, 25 students
Instructor, Data Analysis
Worth of recognition in 2021

Responsible Conduct of Research (PHRS 801)
Fall 2018-2021: section 001, 16 students
Instructor, Working with the Institutional Review Board

Applied Research in the Learning Sciences, Independent Study (EDUC 990)
Fall 2016: section b.200, 3 students
Course Director, Lead Instructor

Research Paradigms in Design, NC State University College of Design (DDN 702)
Fall, 2016: 13 students
Instructor, Positivism and Post-positivism

Educational Research in the Learning Sciences, Independent Study (EDUC 796)
Summer 2016: section b.200, 1 student
Course Director, Lead Instructor

Introduction to Pharmacy Innovation and Problem Solving (PHCY 520)
Spring 2016: 001, 150 students
Small Group Leader, Scholarship of Education

Educational Research in Pharmacy, Independent Study (PHCY 805)
Fall 2015: section 001, 1 student
Course Director, Lead Instructor

ADVISING

Postdoctoral Fellowship Advisor

1. Kyle Fassett, PhD, Indiana University, 2021-present
2. Faustina Nguyen Hahn, PharmD, UNC Eshelman School of Pharmacy, 2019-2021
3. Lana Minshew, PhD, UNC School of Education, 2018-2021
4. Carla Coste-Sanchez, PhD, UNC Eshelman School of Pharmacy, 2019-2020
5. Amanda Olsen, PhD, University of Missouri School of Education, 2018-2019
6. Carlos Melendez, PhD, UNC School of Education, 2016-2018
7. Jacqueline Zeeman, PharmD, UNC Eshelman School of Pharmacy, 2015-2017
8. Antonio Bush, PhD, NC State University College of Education, 2015-2016
9. Julia Khanova, PhD, UNC School of Information and Library Sciences, 2014-2016

Graduate Student Committee Member

1. Nikki Lobczowski (PhD from School of Education): Why Can't We All Just Get Along?: Focusing on Socioemotional Climates to Understand Emotions in Collaborative Learning. May 2019
+Awarded 2021 Paul R. Pintrich Outstanding Dissertation Award from the American Psychological Association, Division 15
2. Michael Wolcott, PharmD (PhD from UNC School of Education): The Situational Judgment Validity Void: Describing Participant Response Processes, December 2018
3. Tyler Vest, PharmD (MS in Pharmaceutical Sciences with a Specialization in Health-System Pharmacy Administration): Utilizing the Delphi Method to Develop a Comprehensive List of Pharmacist Activities for Productivity, May 2018
4. Sam Eberwein, PharmD (MS in Pharmaceutical Sciences with a Specialization in Health-System Pharmacy Administration): Implementation and Evaluation of a Competency Assessment Program for Pharmacists at a Large Academic Medical Center (The Rx-CAPE Study), May 2017

5. Jami Mann, PharmD (MS in Pharmaceutical Sciences with a Specialization in Health-System Pharmacy Administration): Clinical Pharmacist Competency Needs Assessment at an Academic Medical Center, May 2015
6. Shailly Shah, PharmD (MS in Pharmaceutical Sciences with a Specialization in Health-System Pharmacy Administration): Evaluation of the Quality of a Pharmacy Residency Assessment Program, May 2014

Doctoral Advisor

1. Kayley Lyons, PharmD (PhD from School of Education): Characterizing and Exploring Differences in Students' Motivational Processes in Collaborative Learning, May 2019

UNC Eshelman School of Pharmacy Research and Scholarship Pathway Advisor

1. Aimee Ho, Class of 2023
2. Anna Li, Class of 2023
3. Kaitlyn Tenn, Class of 2023
4. Brandon Wilcox, Class of 2023
5. Carolyn Ma, Class of 2020 (*One first-author publication, two first-author presentations*)

Internship Advisor

1. Johan Baranda, Monash University, Spring, 2021
2. Lucas Lau, Monash University, Spring 2021
3. Jannette Tran, Monash University, Spring 2021
4. Betty Kobia, UNC Eshelman School of Pharmacy, Summer 2020
5. Erica Bell, Monash University, Spring 2020
6. Alice Hann, Monash University, Spring 2020
7. Vorandi Kahandage, Monash University, Spring 2020
8. Katherine Lowe, Monash University, Spring 2020
9. Amelia Miklavac, Monash University, Spring 2020
10. Devin Greene, UNC Eshelman School of Pharmacy, Summer 2019
11. Shuyan Huang, UNC Eshelman School of Pharmacy, Summer 2019
12. Thomas Morgan White, UNC Department of Statistics, Summer 2019
13. Cordelia Hume, Woods Charter High School, Summer 2019
14. Tazim Kabir, Princeton University, Summer 2018
15. Laura Bobbitt, UNC Eshelman School of Pharmacy, Summer 2018
16. Skye Zambrano, NC State University, Summer 2018
17. Carly Lupton-Smith, Johns Hopkins University, Summers 2017, 2019

GRANTS

SUBMITTED, PENDING

PI, Assessing Student and Faculty Design Thinking Practices, Outcomes, and Experiences in Higher Education Institutions. Spencer Foundation. April 2022-March 2027. Total funding \$412,686.

Co-I, HDR DSC: Carolina Educational Infrastructure for Data Science. National Science Foundation. PI: Aikat, J.

SUBMITTED, FUNDED

Co-I, Assessing the Economic Burden of COVID-19 Vaccine Hesitancy in the US. Merck. January 2021-December 2021. PI: Ozawa, S.

Co-I, NIGMS T32 Administrative Supplement to Enhance Program Evaluation Capacity. National Institute of General Medical Sciences. July 2020-June 2021. Total Funding \$86,400. PI: Brouwer, K.

Co-I, Anything grows: Design of an intervention to promote a growth mindset across PharmAlliance institutions. PharmAlliance. December 2019-January 2021. Total funding \$46,570. PI: Wolcott, M.

PI, Making expert thinking visible: Cognitive Apprenticeship in pharmacy education. AACP SOTL Grant. June 2019-May 2020. Total funding \$4,000.

Co-PI, NextGen training of pharmaceutical scientists: Mentoring professional development cohorts to increase interdisciplinary training. UNC – The Graduate School. April 2019-April 2022. Total funding \$25,000. PI: Jarstfer, M.

Co-I, Collaboration in graduate student professional development and training. PharmAlliance. January 2019-December 2019. Total funding \$ 21,000. Co-PIs: Olsen, A. and Phillips, A.

PI, Creative design in tier 1 and tier 2 county clinical sites: Using design thinking to identify problems and generate solutions, NC Area Health Education Center (AHEC). July 1, 2018-June 30, 2019. Total funding \$36,923.

Co-I, Medical learning through machine learning (ML2). U.S. Department of Defense, Funding Opportunity Number: W81XWH-17-R-MSI1. January 2018-December 2020. Total funding \$1.6 million. PI: Heneghan, J.

Co-PI, Precision education for clinical decision making. Eshelman Institute for Innovation. July 2017-August 2019. Total funding \$140,210. Co-PIs: Angelo, T., Hubal, R., and Rhoney, D.

Supervisor, Professional Development Grant, University of North Carolina Employee Forum. March 1, 2017 – April 30, 2017. Total funding \$500. PI: Zhang, K.

PI, Design thinking in health professions education: Understanding the state of the field and opportunities for UNC. UNC IBM/RJ Reynolds Industries Junior Faculty Development Award. January 1, 2017-December 31, 2017. Total funding \$7,500.

Faculty Mentor, Collabucate: Your team’s personal collaboration coach. Eshelman Institute for Innovation. January 1, 2017-December 31, 2017. Total funding \$25,000. PI: Lyons, K.

Co-PI, Developing a global response for research, scholarship and impact in pharmacy education. PharmAlliance. July 1, 2016-June 30, 2017. Total funding \$15,000. Co-PIs: Angelo, T., Bates, I., Larson, I., Munday, M., and White, P.

Co-I, Evaluation of pharmacist-driven first cycle chemotherapy consultation. Hematology/Oncology Pharmacy Association. January 2016-December 2016. Total funding \$18,950. PI: Bates, J.

PI, Transforming data into knowledge: Fostering institutional effectiveness through real-time analytics. Eshelman Institute for Innovation. November 2015-November 2016. Total funding \$195,000.

Co-PI, Re-engineering experiential education: Toward interprofessional education and practice. North Carolina Area Health Education Centers Innovation Grant. July 2015 - June 2016. Total funding \$44,750. PI: Roth, M.

Co-I, Molecular foundations of drug action: Pro40+ course redesign. University of North Carolina Center for Faculty Excellence. April 2015 – March 2016. Total funding \$6,000. PI: Jarstfer, M.

PI, Early clinical immersion as inpatient psychiatry medication education group leaders. American Association of Colleges of Pharmacy New Investigator Award. January 2015-December 2015. Total funding \$10,000.

Collaborator, Neurology/psychiatry therapeutics: CFE100+ course redesign. University of North Carolina Center for Faculty Excellence. April 2015 – March 2016. Total funding \$2,500. PI: Harris, S.

PROFESSIONAL SERVICE

Professional Organization Memberships

2021-present	American Society for Clinical Pharmacy and Therapeutics
2019-present	Research Data Alliance
2018-present	International Pharmaceutical Federation
2014-present	American College of Clinical Pharmacists
2012-present	American Association of Colleges of Pharmacy
2011-present	American Education Research Association
2009-present	Association for Institutional Research

Editorial Board Member

- 2019-present *BMC Medical Education*, Spring Nature; Associate Editor
2018-present *Currents in Pharmacy Teaching and Learning*, Elsevier Publishing; Editorial Board
2018-present *Education in the Health Professions*, Wolters Kluwer Publishing; founding Board Member

Journal Reviewer for:

- 1) *Academic Medicine*
- 2) *American Journal of Pharmaceutical Education*
- 3) *BMC Medical Education*
- 4) *Currents in Pharmacy Teaching and Learning*
- 5) *Data in Brief*
- 6) *Educational Psychology Review*
- 7) *Education Sciences*
- 8) *Innovations in Pharmacy*
- 9) *International Journal of STEM Education*
- 10) *Journal of the American College of Clinical Pharmacy*
- 11) *Journal of the American Pharmacists Association*
- 12) *Journal of Medical Education and Curricular Development*
- 13) *Journal of University Teaching & Learning Practice*
- 14) *Medical Education*
- 15) *Nurse Education in Practice*
- 16) *Teaching and Learning in Medicine*
- 17) *The American Statistician*

COMMITTEES:

Division/School

- 2021-present PACE Strategic Plan Working Group [Division]
2021-present PACE Postdoctoral Fellow Working Group [Division, **Co-Chair**]
2020-present Education Advisory Committee [School, **Chair 2021-present**]
2020-present Strategic Planning Advisory Committee [School, **Co-Chair**]
2019-present Data Strategy Team [School]
2019-2020 Pharmaceutical Sciences Research and Graduate Education Retreat Planning Committee [School]
2019-2020 Curriculum Advisory Team [School]
2019-present Young Innovators Program (YIP) Steering Committee [Eshelman Institute for Innovation]
2018-2020 Graduate Program Collaborative Core Curriculum Working Group [School]
2018-2019 Committee to Optimize Graduate Student Selection [School]
2017-2019 Curriculum Innovation and Assessment Committee [School]
2017-2020 ACPE Self-Study Steering Committee [School]
2017-2020 ACPE Self-Study, Standards 24 & 25 Working Group [School, **Lead**]
2017-2019 Graduate Program Visionary Committee [School]
2016-2018 Appointment, Reappointment, Promotion, and Tenure Policy Review Committee [School]
2015-2017 Assessment Committee [School, **Chair**]
2015-2016 Graduate Program Self-Study Oversight Committee [School]
2015 Graduate Program Governance Ad—hoc Committee [School]
2013-present Search Committees: 25+ positions [School, Division, **Chair and/or member**]
Including Executive Vice Dean, Assistant Dean, Division Chair, and Director positions
2013-present Recruitment & Admissions Committee [School]
2013 Pharmacy Innovation and Problem Solving Course Design Subcommittee [School]
2013 Foundational Content and Assessment Subcommittee [School]
2012-present Educational Research Review Committee [School, **Chair 2013-2021**]
2012-2016 Curriculum Transformation Steering Committee [School]
2012-2015 Curriculum & Assessment Committee [School]
2012-2013 Curriculum Transformation Steering Executive Committee [School]
2012-2013 Assessment of Student Learning Subcommittee [School, **Chair**]

Institutional/UNC Campus

2018-present	UNC Institutional Conflict of Interest Review Committee <i>[University]</i>
2018-2019	Partnership in Patient Care 2.0 Research Working Committee <i>[UNC Medical Center/School]</i>
2017-present	UNC Certificate in Science Education Advisory Board <i>[University]</i>
2017	UNC School of Education Faculty Search Committee: 2 positions <i>[UNC School of Education]</i>
2017	UNC Faculty Reporting Committee <i>[University]</i>

National/International

2021	AACP Scholarship of Teaching and Learning Grant Reviewer Committee <i>[National, Chair]</i>
2021	AACP Scholarship of Teaching and Learning Grant Reviewer <i>[National]</i>
2021-present	AACP Social and Administrative Services Awards Committee <i>[National]</i>
2020-2021	AACP Emerging Teacher's Scholar Standing Committee <i>[National]</i>
2017	AACP 2017 Fall Institute Committee <i>[National]</i>
2015-present	PharmAlliance Education Domain <i>[International, Lead 2015-2018, UNC Chair 2015-present]</i>

OTHER SERVICE:

2021-present	UNCW-UNC Collaboratory <i>[State, Founding Member]</i>
2020-present	Health Professions Education Certificate/EdD Task Force <i>[University, School Lead]</i>
2020-present	Design Thinking Teaching & Learning Collaborative <i>[National, Cofounder]</i>
2020-present	Small group leader, Campbell Mentoring Program <i>[School]</i>
2020-2021	Appointment, Reappointment, Promotion, and Tenure Implementation Team <i>[School]</i>
2020	NIH Science Education Partnership Awards (SEPA), Internal Reviewer <i>[University]</i>
2020-present	PACE Postdoctoral Fellowships Working Group, <i>[School, Co-Lead]</i>
2020 (Covid-19)	UNC Eshelman School of Pharmacy PACE Postdoctoral Fellow Liaison <i>[School]</i>
2020	University of Cape Town Thesis Reviewer, Kagiso Dikgomo's "Development of an assessment framework for student engagement in design thinking projects for health innovation" <i>[International]</i>
2017	Carolina Improvement Sciences Initiative, Founders Group & Planning Committee <i>[University]</i>
2016	PharmAlliance Education Symposium <i>[International, Organizer]</i>
2016, 2017	Resident Teaching Certificate Mentor <i>[School]</i>
2015-present	ACCP Research and Scholarship Academy, Faculty Member <i>[National]</i>
2014-2018	Pharmacy Education Research Community (PERC) <i>[School, Founder]</i>
2013-present	Interview Candidates for PharmD Program <i>[School]</i>