

**UNC Eshelman School of Pharmacy**  
**Pharmacy Education Innovation, Research and Scholarship: 2017 Publications by**  
**CIPhER Faculty, Fellows, and Students**

During 2017, CIPhER staff published 21 articles in the scholarship of education.

**AMA Citations:**

1. Bush AA, Buhlinger KM, Mclaughlin JE. Identifying Shared Values for School-Affiliated Student Organizations. *Am J Pharm Educ.* 2017;81(9):6076. doi: 10.5688/ajpe6076
2. Bush AA, Mclaughlin JE, White C. A Review of Contemporary Diversity Literature in Pharmacy Education. *Am J Pharm Educ.* 2017;81(7):5961. doi: 10.5688/ajpe5961
3. CIPHER (McLaughlin) Friedman AD, Melendez CR, Bush AA, et al. 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 J of STEM Educ.* 2017;4(1):17. doi: 10.1186/s40594-017-0081-4
4. Greene JM, Fuller KA, Persky AM. Pharmacy education from benchtop to bedside: Practical tips for integrating clinical relevance into foundational science courses. *Am J Pharm Educ.* 2017. doi: 10.5688/ajpe6603
5. Lyons K, Griggs D, Lebovic R, Roth ME, South DA, Hatfield C. The University of North Carolina Medical Center pharmacy resident leadership certificate program. *Am J Health Syst Pharm.* 2017;74(6):430-436. doi: 10.2146/ajhp160107
6. Lyons K, Mclaughlin JE, Khanova J, Roth MT. Cognitive apprenticeship in health sciences education: a qualitative review. *Adv Health Sci Educ Theory Pract.* 2017;22(3):723-739. doi: 10.1007/s10459-016-9707-4
7. [Also McLaughlin in the et al.] Lyons K, Taylor DA, Minshew LM, et al. Student and school-level predictors of pharmacy residency attainment. *Am J Pharm Educ.* 2017. doi: 10.5688/ajpe6220
8. Mann JE, Amerine LB, Waldron K, Wolcott MD, Mclaughlin JE. Pharmacist perceptions of competency: Identifying priority areas for a competency program development at an academic medical center. *Res Social Adm Pharm.* 2017. doi: 10.1016/j.sapharm.2017.07.008
9. Mclaughlin JE, Bush AA, Rodgers PT, et al. Exploring the Requisite Skills and Competencies of Pharmacists Needed for Success in an Evolving Health Care Environment. *Am J Pharm Educ.* 2017;81(6):116. doi: 10.5688/ajpe816116

10. McLaughlin JE, Kennedy L, Garris S, et al. Student pharmacist experiences as inpatient psychiatry medication education group leaders during an early immersion program. *Curr Pharm Teach Learn*. 2017;9(5):856-861. doi: 10.1016/j.cptl.2017.06.005
11. McLaughlin JE, Khanova J, Persky A, Hathaway N, Cox W. Design, Implementation, and Outcomes of a Three-week Pharmacy Bridging Course. *Am J Pharm Educ*. 2017;81(7):6313. doi: 10.5688/ajpe8176313
12. McLaughlin JE, Singer D, Cox WC. Candidate Evaluation Using Targeted Construct Assessment in the Multiple Mini-Interview: A Multifaceted Rasch Model Analysis. *Teach Learn Med*. 2017;29(1):68-74. doi: 10.1080/10401334.2016.1205997
13. Persky AM, Greene JM, Anksorus H, et al. Developing an innovative, comprehensive first-year capstone to assess and inform student learning and curriculum effectiveness. *Am J Pharm Educ*. 2017. doi: 10.5688/ajpe6730
14. Persky AM, McLaughlin JE. The flipped classroom- from theory to practice in health professional education. *Am J Pharm Educ*. 2017;81(6). doi: 10.5688/ajpe816118
15. Pinelli NR, McLaughlin JE, Chen SL, et al. Improved Organizational Outcomes Associated With Incorporation of Early Clinical Experiences for Second-Year Student Pharmacists at an Academic Medical Center. *J Pharm Pract*. 2017;30(1):99-108. doi: 10.1177/0897190015585765
16. Rhodes LA, Marciniak MW, McLaughlin J, et al. Exploratory analysis of entrustable professional activities as a performance measure during early practice experiences in a doctor of pharmacy program. *Am J Pharm Educ*. 2017. doi: 10.5688/ajpe6517
17. Sanders KA, McLaughlin JE, Waldron KM, et al. Educational outcomes associated with early immersion of second-year student pharmacists into direct patient care roles in health system practice. *Curr in Pharm Teach and Learn*. 2017. doi: 10.1016/j.cptl.2017.10.009
18. Sanders KA, Wolcott MD, McLaughlin JE, D'ostroph A, Shea CM, Pinelli NR. Organizational readiness for change: Preceptor perceptions regarding early immersion of student pharmacists in health-system practice. *Res Social Adm Pharm*. 2017;13(5):1028-1035. doi: 10.1016/j.sapharm.2017.03.004
19. Scott MA, McLaughlin J, Shepherd G, Williams C, Zeeman J, Joyner PU. Author Response to "Considerations for Determining Perceived Benefits and

- Challenges of Student Organizations at Pharmacy School Satellite Campuses".  
Am J Pharm Educ. 2017;81(2):40.
20. White PJ, Naidu S, Yuriev E, Short JL, Mclaughlin JE, Larson IC. Student Engagement with a Flipped Classroom Teaching Design Affects Pharmacology Examination Performance in a Manner Dependent on Question Type. Am J Pharm Educ. 2017;81(9):5931. doi: 10.5688/ajpe5931
21. Zeeman JM, Mclaughlin JE, Cox WC. Validity and reliability of an application review process using dedicated reviewers in one stage of a multi-stage admissions model. Curr Pharm Teach Learn. 2017;9(6):972-979. doi: 10.1016/j.cptl.2017.07.012+