Research/Education Posters

New Investigator Award Recipients
Research/Education Poster Session 1
Sunday, July 24, 4:30 p.m.–6:30 p.m.
Anaheim Convention Center, Exhibit Hall E

Presenters will be at their poster to discuss their work from 4:30 p.m.–5:30 p.m.

Biological Sciences
1. Altered DNA Hydroxymethylation in a Mouse Model of Prostate Cancer
   Shannon R. M. Kinney, Western New England University
2. Carboxylesterase 1 Genetic Variation Impaired Sacubitril Activation
   Hao-Jie Zhu, University of Michigan

Chemistry
3. Discovery of Novel Anti-Mycobacterium tuberculosis FadD32 Inhibitors
   E. Jeffrey North, Creighton University
4. Evaluation of the Biological Activity of Cajanus cajan Flavonoids and Related Analogs
   Denise S. Simpson, Cedarville University
5. Rational Design of Thiopeptide Antibiotics Through Biosynthetic Pathway Engineering
   Madan K. Khare, University of Maryland Eastern Shore

Continuing Professional Development
6. Is CPD More Effective than a Traditional CE Model in Improving Practice Behavior?
   Megan Murphy-Menezes, University of Florida

Experiential Education
7. Early Clinical Immersion as Inpatient Psychiatry Medication Education Group Leaders
   Jacqueline E. McLaughlin, University of North Carolina at Chapel Hill

Library and Information Science
8. The Possible Harms of Statins: What Do Product Labels and Pharmacy Leaflets Tell Us?
   Peter Doshi, University of Maryland

Pharmaceutics
9. Combination of Sulforaphane and Paclitaxel to Treat Triple Negative Breast Cancer
   Tao Zhang, Husson University
10. Targeting PDE2 to Treat Memory Loss Associated With Alzheimer’s Disease
    Ying Xu, University at Buffalo, The State University of New York

Pharmacy Practice
11. Nighttime Dosing of Amlodipine Versus Lisinopril in Non-Dipping African-Americans—An Interim Analysis
    Dave L. Dixon, Virginia Commonwealth University

    Emi Minejima, University of Southern California

Social and Administrative Sciences
13. Evaluating the Medium of Comics for Providing Information on Adult Immunizations
    Jagannath M. Muzumdar, St John’s University

14. Pharmacist-Patient Communication About Addiction and Willingness to Counsel and Refer
    Marc L. Fleming, University of Houston

*Student Pharmacist, Graduate Student, Resident or Fellow assisted with research

New This Year: Use the index on pages 64–65 to find research/education posters by author.

Academic Research Fellows Program
Research/Education Poster Session 2
Monday, July 25, 9:00 a.m.–10:15 a.m.
Anaheim Convention Center, Exhibit Hall E

Presenters will be at their poster to discuss their work from 9:30 a.m.–10:15 a.m.

1. Creating the Future of the Academic Pharmacy Research Community: The Academic Research Fellows Program
   American Association of Colleges of Pharmacy
2. A Survey of Presubmission Grant Support Mechanisms in Colleges and Schools of Pharmacy
   Walter Fast, The University of Texas at Austin
3. Building an Interdisciplinary Research Team for Community Pharmacy-Based Innovation
   Donald G. Klepser, University of Nebraska Medical Center
4. Developing an Assessment Plan for the Newly Established Interdisciplinary Biomedical Sciences Graduate Program at the University of Wyoming
   Sreejayan Nair, University of Wyoming
5. Development of a Community-Based Interdisciplinary, Team-Based Research Program: Initial Steps
   Daniel Touchette, University of Illinois at Chicago
6. Development of a Drug Discovery Course for the Pharmacology & Toxicology Graduate Program
   Richard R. Vaillancourt, The University of Arizona
7. Development of Graduate Education and Team Science Research at Roosevelt University College of Pharmacy (RUCOP): An AACP Academic Research Fellow Program (ARFP) Project
   Mojithri Christianah Adeyeye, Roosevelt University
8. Development of Online Master’s Degree and Certificate Programs at a School of Pharmacy
   Werner J. Goldenhuys, West Virginia University
9. Enhancing Research Productivity of Harrison School of Pharmacy by Establishing a Center for Translational Neuroscience and Related Disorders
    Vishnu Supp市场化, Auburn University
10. Scholarship Among Pharmacy Practice Faculty: Evaluating the Impact of Collaboration
    Bryan L. Love, University of South Carolina
11. Towards the Development of an Office of Technology Transfer at a Small Liberal Arts University
    Ronny Priester, Western New England University

Innovations in Teaching
Research/Education Poster Session 3
Monday, July 25, Noon–1:30 p.m.
Anaheim Convention Center, Exhibit Hall E

Presenters will be at their poster to discuss their work from Noon–1:00 p.m.

Winners
1. A Novel Use of Photovoice Methodology in a Leadership APPE and Pharmacy Leadership Elective
   Jane E. Wilson, The University of Oklahoma
2. Implementation of a Novel InterSession Course During the P4 Year
   Joseph J. Saseen, University of Colorado

Honorable Mention
   Erin Albert, Butler University
4. Creative Thinking, Innovation, and TED Talks: An Elective Course
   Jeff Cain, University of Kentucky
Research/Education Posters

5. Educating Pharmacists in Quality (EPIQ)  
   Donna West-Strum, The University of Mississippi

   Michael J. Peeters, The University of Toledo

Excellence in Assessment
Research/Education Poster Session 3  
Monday, July 25, Noon–1:30 p.m.  
Anaheim Convention Center, Exhibit Hall E

*Student Pharmacist, Graduate Student, Resident or Fellow assisted with research

7. Assessing and Improving Faculty Peer Observations  
   Rosalyn P. Vellutatit, University of Illinois at Chicago

   Jennifer Kirwin, Northeastern University

   David Fuentes, Pacific University Oregon

Administrative Services
Research/Education Poster Session 3  
Monday, July 25, Noon–1:30 p.m.  
Anaheim Convention Center, Exhibit Hall E

10. An Online Independent Study Elective on Personal and Professional Branding  
    Educational Development and Innovation  
    David Fuentes, Pacific University Oregon

11. Assessment of Faculty, Staff and Student Wellness at a College of Pharmacy  
    Elizabeth Ackerman, University of Hawaii at Hilo

12. An Instrument to Manage Faculty Workload and Improve Employee Engagement in an Interdisciplinary Department  
    Grant W. Anderson, University of Minnesota

13. Development and Utilization of the Interprofessional Attitudes Scale (IPAS) to Assess Interprofessional Education (IFE)  
    Educational Research  
    Donald K. Blumenthal, The University of Utah

14. Restructuring Academic Progression and Professional Conduct Management to Proactively Support Students and Stream Faculty Workload  
    Administrative and/or Broad Programmatic Issues  
    Bridget Bradley, Pacific University Oregon

15. A 10-Station Multiple Mini-Interview (MMI) for Undergraduate Pharmacy Admission: Reflecting on Six Years of Experience  
    Administrative and/or Broad Programmatic Issues  
    Andrea J. Cameron, University of Toronto

16. Analysis of the Validity of the Multiple Mini-Interview for Predicting Performance in a Pharmacy Program  
    Administrative and/or Broad Programmatic Issues  
    Andrea J. Cameron, University of Toronto

17. Excellence in Academic Mentoring and Advising: Description of a Faculty Advisor Development Program  
    Administrative and/or Broad Programmatic Issues  
    Renae J. Chesnut, Drake University

18. Use of Assessment to Track the Effect of Incremental Changes in Curriculum  
    Administrative and/or Broad Programmatic Issues  
    Mary Choy, Touro College of Pharmacy–New York

19. Comparison of Pedagogical Approaches in a Pharmaceutical Calculations Course  
    Educational Development and Innovation  
    Donald A. Godwin, The University of New Mexico

20. A Formalized Advising Process to Improve Students’ Connectedness During APPEs  
    Administrative and/or Broad Programmatic Issues  
    Jeremy Hughes, Pacific University Oregon

21. Re-Framing Pharmacy School Orientation to Advance Student Personal and Professional Development, Team-Readiness, Leadership, and Self-Awareness  
    Administrative and/or Broad Programmatic Issues  
    Jeremy Hughes, Pacific University Oregon

22. Student and Faculty Perceptions of the Use of Examsoft as an Electronic Testing System  
    Administrative and/or Broad Programmatic Issues  
    Erik Jorvig, Roseman University of Health Sciences

23. Use of a Flipped Framework and Exam Item Mapping to Provide Teaching Feedback  
    Educational Development and Innovation  
    Rebecca Kammer, Flip It Consulting

24. Leading Positive Change Through Effective and Inclusive Strategic Planning Initiatives  
    Administrative and/or Broad Programmatic Issues  
    Reza Karimi, Pacific University Oregon

25. The DELTA Rx Institute: Aligning Innovation and Entrepreneurial Leadership With ACPE and CAPE Outcomes  
    Administrative and/or Broad Programmatic Issues  
    Andrea L. Kjos, Drake University

26. Development of an Objective Merit Review Process for Pharmacy Practice Faculty  
    Administrative and/or Broad Programmatic Issues  
    Andrew D. Kluemper, Purdue University

27. Creating an Arms Race? Examining School Costs and Motivations for Providing NAPLEX and FCOA Preparation  
    Administrative and/or Broad Programmatic Issues  
    Lisa Lebovitz, University of Maryland

28. Evaluation of Communication Best Practices Among AACP Special Interest Groups  
    Administrative and/or Broad Programmatic Issues  
    Whitney Maxwell, South Carolina College of Pharmacy

29. Is Gender a Factor in Academic Achievement in Pharmacy School?  
    Administrative and/or Broad Programmatic Issues  
    Krystal McCutchen, The University of New Mexico

30. Technician Requirements in the United States  
    Administrative and/or Broad Programmatic Issues  
    Jill A. Morgan, South Dakota State University

31. Designing Vertical Curricular Threads for ACPE Standard 4—Professional Development Skills  
    Administrative and/or Broad Programmatic Issues  
    Jane R. Mott, South Dakota State University

32. Pharm.D. Students Stress, Satisfaction, and Professional Attitudes Survey  
    Administrative and/or Broad Programmatic Issues  
    Mark A. Munger, The University of Utah

33. Assessment of Supplemental Instruction at the University of South Florida, College of Pharmacy  
    Administrative and/or Broad Programmatic Issues  
    Heather M. W. Petrelli, University of South Florida

*Author names may be incorrect or incomplete. **Student Pharmacist, Graduate Student, Resident or Fellow assisted with research.
34. Designing an Electronic Syllabus (eSyllabus) With Integrated Course Mapping
   Educational Development and Innovation
   Mary E. Ray, The University of Iowa

35. Predictive Value of a Comprehensive P3 Knowledge Exam in Determining NAPLEX Success
   Educational Research
   Mary E. Ray, The University of Iowa

36. Distance Education Goes Interprofessional: Collaborating for Success
   Administrative and/or Broad Programmatic Issues
   Zara Risoldi Cochrane, Creighton University

37. Increasing Efficiency Through an Objective Standardized Scholarship Awarding Process
   Administrative and/or Broad Programmatic Issues
   Laquanda Robinson, University of South Florida

38. A Process for Curricular Improvement Using the PCOA and Post-Course Reviews
   Educational Development and Innovation
   Michael Rudolph, Marshall University

39. Admission Criteria as Predictors of Student Success
   Administrative and/or Broad Programmatic Issues
   Kelly M. Shields, Ohio Northern University

40. Marijuana Use Task Force (MUTF): Considerations for Schools Regarding Marijuana Use by Students, Faculty, and Preceptors
   Administrative and/or Broad Programmatic Issues
   Maryann Z. Skrabal, Creighton University

41. Lies, Damn Lies, and Missing Statistics: Measures of Student Achievement Published on Pharmacy Program Websites
   Administrative and/or Broad Programmatic Issues
   Joshua J. Spooner, Western New England University

42. Innovation in the Open: Changing the Innovation in Teaching Award Process to Foster Innovation Discovery
   Educational Development and Innovation
   Shannon R. Tucker, University of Maryland

43. Analysis of Pharmacy Student Motivators and Deterrents for Professional Organization Involvement
   Administrative and/or Broad Programmatic Issues
   Molly J. Wascher, The Johns Hopkins Hospital

44. Design and Evaluation of a Learner-Centered Orientation Program for Doctor of Pharmacy Students
   Administrative and/or Broad Programmatic Issues
   Bradford L. Wingo, University of North Carolina at Chapel Hill

45. Utilization of Integrated Exam Outcomes and Student Self-Assessments to Provide Feedback to Multi-Dimensional Curriculum Mapping
   Educational Development and Innovation
   Siu-Fun Wong, Chapman University

   Educational Research
   Jacqueline M. Zeeman, University of North Carolina at Chapel Hill

47. *Where Does the Time Go? Enhancing First Year Pharmacy Student Self-Awareness With Time-Logging
   Educational Research
   Jacqueline M. Zeeman, University of North Carolina at Chapel Hill

48. Making Data-Driven Curriculum Improvements by Converting AACP Curriculum Quality Survey Data to Information
   Administrative and/or Broad Programmatic Issues
   Alejandra Zertuche, University of the Incarnate Word

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**Research/Education Poster Session 2**

**Monday, July 25, 9:00 a.m. – 10:30 a.m.**

 Anaheim Convention Center, Exhibit Hall E

Presenters will be at their poster to discuss their work from 9:30 a.m.–10:30 a.m.

12. Inhibition of Endocannabinoid Catalyzing Enzymes: Potential Mechanism of Anxiolytic Action of Chamomile
   Scientific Research in the Discipline
   Abir T. El-Alfy, Chicago State University

13. Changes in Pharmacy Students’ Attitudes and Confidence Following Personal Genotyping and Pharmacogenomics
   Educational Interventions
   Amber Frick, University of North Carolina at Chapel Hill

14. Comparing Traditional Case-Based Application and Student Question Creation Exercise on Student Performance and Perceptions
   Educational Research
   Anulaya Tatachar, University of North Texas System

15. Student Perceptions of Changes Made to a Basic Science Laboratory Course to Promote Curricular Integration
   Educational Research
   Brian Train, Marshall University

16. Comparison of Fill-In-The-Blank Quizzes Versus Multiple Choice Quizzes and Performance on a K-Type Final Exam
   Educational Research
   Brian Train, Marshall University

17. Epigenetically-Induced Changes in Mast Cell Function Can Modulate the Development of Allergy to Oral Antigens
   Scientific Research in the Discipline
   Clinton Mathias, Western New England University

18. Mapping Required Biological Science Courses in Pharmacy Curricula to the PCOA Exam
   Educational Research
   Daniel R. Kennedy, Western New England University

19. Exploring the Thiol Isomerase Erp57 in Cancer Progression Using Novel Small Molecule Inhibitors
   Scientific Research in the Discipline
   Daniel R. Kennedy, Western New England University

20. Relationship Between Oxidant Production and Sexual Adverse Effects of Antidepressant Medications
   Scientific Research in the Discipline
   Danielle L. Cruthirds, Samford University

21. The Outcome Impact of a Six Week Pipeline Program leading to Pharmacy Education
   Educational Research
   Deborah Williams, Touro College of Pharmacy–New York

22. Integrating First, Second and Third Year Students into Teams for a Novel All College Laboratory
   Educational Research
   Diane M. Calinski, Manchester University

23. Curriculum Transformation: Stepping Into the ‘Abyss’ Of CBE to Develop a Competency-Driven Professional Curriculum
   Educational Development and Innovation
   Diane W. Morel, University of the Sciences

24. Effect of Dietary Doses of Resveratrol on Hepatic Drug Metabolizing Enzymes in Spontaneously Hypertensive Rats
   Scientific Research in the Discipline
   Fawzy A. Elbarbry, Pacific University Oregon

25. Iron Deficiency During Brain Development Alters the Developing Cerebrovasculature
   Scientific Research in the Discipline
   Grant W. Anderson, University of Minnesota
Research/Education Posters

26. Pharmacy Students Attitudes Towards Substance Abuse: Exposure to a Drug Abuse Elective Makes a Difference
   Educational Research
   Jilla Sabeti, Western New England University

27. Assessment of Discipline-Specific Student Performance in an Integrated Pharmacy Course
   Educational Research
   Joie Rowles, Midwestern University/Glendale

28. Exploring the Metabolism and Topoisomerase II Inhibitory Activity of Cannabidiol
   Scientific Research in the Discipline
   Joseph E. Deweese, Lipscomb University

29. Parkinson’s Disease Causing Mutation in LRRK2 Impairs Early Steps in Autophagic Biogenesis
   Scientific Research in the Discipline
   Katerina Venderova, Keck Graduate Institute

30. L-Dopa As A Therapeutic Approach To Mitigate Basal Ganglia Dysfunction Associated With Methamphetamine-Induced Neurotoxicity
   Scientific Research in the Discipline
   Kristen A. Keeffe, The University of Utah

31. Learning and Study Strategies Associated With Academic Success in the First Year of Pharmacy Education
   Educational Research
   Ligia Westrich, Fairleigh Dickinson University

32. Comprehensive Self-Study for 8-Year Accreditation: The Feik School of Pharmacy Model
   Administrative and/or Broad Programmatic Issues
   Lila P. LaGrange, University of the Incarnate Word

33. Faculty Perspective on Scholarship and Institutional Expectations in Smaller, Teaching-Intensive Pharmacy Institutions in the United States
   Educational Research
   Manas Mandal, Roseman University of Health Sciences

34. Sharing Success: Expansion of a Tutor-Run Assessment Method to Multiple Courses and Colleges
   Educational Development and Innovation
   Melinda Lull, St. John Fisher College

   Educational Development and Innovation
   Patti W. Adams, South University

36. Interactions of Murine Red Blood Cells and Brain Microvascular Endothelial Cells
   Scientific Research in the Discipline
   Rachita K. Sumbria, Keck Graduate Institute

37. Integration of Pharmacogenomic Education Throughout a Pharmacy Curriculum and Its Influence on Student Knowledge/Perception
   Educational Research
   Rebecca R. Marcinak, Western New England University

38. Prior Exercise Reduces Pro-Inflammatory Cytokines in Skeletal Muscle and Prevents Statin-Associated Muscle Dysfunction in Mice
   Scientific Research in the Discipline
   Renae J. Chesnut, Drake University

39. Luteolin Attenuates EGFR Mediated Proliferation and Induces Apoptosis in Glioblastoma
   Scientific Research in the Discipline
   Samson Amos, Cedarville University

40. Creating Teams Comfortably
    Educational Research
    Shannon Kinney, Western New England University

41. Nuclear and Mitochondrial Ultrastructural Changes During Acetaminophen (AAP) and Dimethylnitrosamine (DMN)-Induced Liver Injury
    Scientific Research in the Discipline
    Sidhartha D. Ray, Manchester University

42. Students Teaching Students! An Interprofessional Global Health Course and Capstone Student-Led Case Conference
    Educational Development and Innovation
    Sigrid C. Roberts, Pacific University Oregon

43. Importance of Polyamines for Leishmania Proliferation and Infectivity
    Scientific Research in the Discipline
    Sigrid C. Roberts, Pacific University Oregon

44. Using Pharmaceutical Sciences Principles to Solve Therapeutics Problems—Teaching Connections Through Quizzing
    Educational Research
    Teresa M. Seefeldt, South Dakota State University

45. Development of an Interdepartmental Project to Increase Teaching Collaboration and Promote Active Learning
    Educational Development and Innovation
    Teresa M. Seefeldt, South Dakota State University

46. Impact of Pre-Pharmacy Work Experience on Professional Identity Development in a Doctor of Pharmacy Program
    Educational Research
    Timothy J. Bloom, Campbell University

47. Comparison of StrengthsFinder Signature Themes in Pharm.D. and DO Students
    Educational Research
    Timothy J. Bloom, Campbell University

48. Do Pharmacy Students Prefer Web-Based Interactive Gaming Over Other Active Learning Methods?
    Educational Research
    Wasana K. Sumanasekera, Sullivan University

49. Students’ Preference and Perspective on Interactive Learning Strategies Employed in a Biomedical Science Course
    Educational Research
    Yuan Zhao, Sullivan University

Chemistry
Research/Education Poster Session 1
Sunday, July 24, 4:30 p.m.–6:30 p.m.
Anaheim Convention Center, Exhibit Hall E

50. Stability of Compounded Pyrimethamine Oral Suspension Stored at Room and Refrigerated Temperature
    Scientific Research in the Discipline
    Stacy Brown, East Tennessee State University

51. Creating a Comprehensive Exam to Prepare Students for the PCOA
    Administrative and/or Broad Programmatic Issues
    Andrew Coop, University of Maryland
20. Synthesis and Antimicrobial Evaluation of Potentially Non-nephrotoxic 3’-C-Puromycin Analogs
   Giuseppe Gumina, Presbyterian College

21. Evaluation of the Physicochemical Properties of a Novel Antimalarial Drug Lead, Cyclen Bisquinoline
   M. Omar F. Khan, Marshall University

22. Discovery of Antischistosomal Drug Leads Based on Macroyclic Polynuclear Derivatives and Their Metal Complexes
   M. Omar F. Khan, Marshall University

23. Second Phase of Development of an Educational Tool/Mobile Platform for Biochemistry in the Pharmacy Curriculum
   Tatjana Petrova, Chicago State University

24. Examination of the Surface Tension of Various Oral, Nasal, and Ophthalmic Dosage Forms
   Ronny Priefert, Western New England University

25. Design, Synthesis, and Cannabinoid Receptor Activity of Benzofuran Ligands
   John M. Rimoldi, The University of Mississippi

26. Improving Learning With Acid/Base Demonstration Videos
   Tyler M. Rose, Roseman University of Health Sciences

27. In Search Of Novel and Effective Drug Candidates for the Management of Tuberculosis
   Jozef Stec, Marshall B. Ketchum University

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Research/Education Posters

Continuing Professional Development
Research/Education Poster Session 2
Monday, July 25, 9:00 a.m.–10:30 a.m.
Anaheim Convention Center, Exhibit Hall E

50. Examining the Effect of a Continuing Professional Development Activity on Pharmacists’ Knowledge, Skills and Self-Efficacy
   Educational Research
   Ruth H. Bruskiewitz, University of Wisconsin–Madison

51. Evaluation of the New Science of Learning Program in a College of Pharmacy
   Educational Development and Innovation
   Jacob P. Gettig, Midwestern University/Downers Grove

52. Are you Game for Fun, Interactive Learning?
   Educational Development and Innovation
   Jerika T. Lam, Chapman University

53. Five Years of Experience With a Teaching and Learning Curriculum (TLC) For Pharmacy Residents
   Educational Development and Innovation
   Timothy R. Ulbrich, Northeast Ohio Medical University

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Experiential Education
Research/Education Poster Session 1
Sunday, July 24, 4:30 p.m.–6:30 p.m.
Anaheim Convention Center, Exhibit Hall E

28. Integration of Active Learning Andragogy Based on a Flipped Learning Model for IPPE
   Educational Development and Innovation
   Nancy A. Alvarez, Chapman University

29. Survey of Ambulatory Care Preceptors Regarding Soap Note Writing In Advanced Pharmacy Practice Experiences (APPPEs)
   Educational Research
   Miranda R. Andrus, Auburn University

30. Living with Diabetes – An Experiential Activity to Develop Empathy and Perspective
   Educational Development and Innovation
   Forrest Batz, University of Hawaii at Hilo

31. A Review of the Literature for IPE and Pharmacy Students: Mapping to Standard 11 Interprofessional Education
   Educational Research
   Kimberley J. Begley, Creighton University

32. Use of Academic Success Plans in Advanced Pharmacy Practice Experiences (APPPEs)
   Educational Development and Innovation
   C. Lea Bonner, Mercer University

33. Impact of Optional Pharmacy Internship Experience on Second Year Introductory Pharmacy Practice Experience (IPPE)
   Educational Research
   Kelsey Brantner, University of Washington

34. Creation of Experiential Education Honors Policies to Recognize Exemplary IPPE and APPE Performance
   Administrative and/or Broad Programmatic Issues
   Laurie L. Briceland, Albany College of Pharmacy and Health Sciences

35. Many Doors, One Key: An IPPE Collaboration Targeting APPE Readiness, Faculty Workload and Patient Outcomes
   Educational Development and Innovation
   Angela Brownfield, University of Missouri–Kansas City

36. Student-Perceived Impact of Paid Pharmacy Internships on Academic and Clinical Performance
   Educational Research
   Timothy M. Burkart, The University of Findlay

37. Effectiveness of Utilizing the RAFT Approach in Engaging and Developing Preceptors
   Educational Development and Innovation
   Charles Cather, Northeast Ohio Medical University

38. ‘Pharmacy Preceptors’ Perceived Value of Virtual Experiential Quality Assurance Site Visits
   Administrative and/or Broad Programmatic Issues
   Cheryl L. Clarke, Drake University

39. Continuous Quality Improvement to Implement Novel Introductory Pharmacy Practice Experiences at an Academic Medical Center
   Educational Development and Innovation
   Valerie B. Cinaard, University of California, San Francisco

40. Introduction to the Pharmaceutical Industry: A Novel Required Experiential Course for First Year Pharm.D. Students
   Educational Development and Innovation
   Andrea L. Cooper, Keck Graduate Institute

41. Quality Assurance in Experiential Education Through Preceptor Reflection
   Educational Research
   Craig D. Cox, Texas Tech University Health Sciences Center

42. Comparison of Students’ and Patients’ Perceptions on Reasons for Medication Non-Adherence
   Educational Research
   Patricia L. Darbishare, Purdue University

43. Multiple-Mini Interview (MMI) for Pharmacy School Admissions is Prognostic With Advanced Pharmacy Practice Experience (APPE) Scores
   Educational Research
   Lindsey E. Dayer, University of Arkansas for Medical Sciences
44. An Interprofessional Education Initiative at an Academic Health Center: Empowering Patients through Interprofessional Care (EPIC)
   Educational Research
   Vincent C. Dennis, The University of Oklahoma

45. Student Satisfaction with Computer Versus Manually Generated Advanced Pharmacy Practice Experience Schedules
   Educational Research
   Michael B. Doherty, University of Cincinnati

46. IPPE Performance Comparison Between Students in A Traditional and Distance Education Entry Level Pharm.D. Degree Program
   Educational Development and Innovation
   Sarah Eudaley, Lake Erie College of Osteopathic Medicine

47. Assessing Student Run Health and Wellness (HW) APPE Community Projects and Student Summaries/Reflections
   Educational Development and Innovation
   Debra B. Feinberg, Albany College of Pharmacy and Health Sciences

48. Experiential Factors and Residency Placements: Perceptions of Program Directors and Students – Grading and GPA
   Administrative and/or Broad Programmatic Issues
   Brett Feret, The University of Rhode Island

49. *Exploring the Role of a Pharmacy Student in a New Rotation Site in Rural Guatemala*
   Educational Development and Innovation
   Chandler Follett, University of Colorado

50. Experiential Factors and Residency Placements: Perceptions of Program Directors and Students—APPE Rotation Sequence
   Administrative and/or Broad Programmatic Issues
   Jennifer Fraser, MCPHS University–Boston

51. The Self-Aware Student: Do Students Engage in Self-Awareness When Determining Rotation Goals?
   Educational Development and Innovation
   Eric H. Gilliam, University of Colorado

52. Student Awareness and Willingness to Participate in International Pharmacy Experiences
   Educational Development and Innovation
   Suzanna Gim, Long Island University

53. Students’ Perspective of Debates as a Pedagogy in a Critical Care Elective
   Educational Development and Innovation
   Anthony Hawkins, The University of Georgia

54. Utilizing Pharmacy Students and Residents in a Healthcare for the Homeless Clinic to Enhance Care
   Educational Development and Innovation
   Jaime R. Hornecker, University of Wyoming

55. Experiential Factors and Residency Placements: Perceptions of Pharmacy Residency Program Directors/Students—Longitudinal and APPE
   Administrative and/or Broad Programmatic Issues
   Philip M. Hritsko, University of Connecticut

56. Pharmacy Curriculum Outcomes Assessment as a Predictor of Success on Advanced Pharmacy Practice Experiences
   Educational Research
   Curtis G. Jefferson, University of Washington

57. Interviewing Impact: An Assessment of Personal & Professional Development During Advanced Pharmacy Practice Experiences (APPEs)
   Educational Research
   Gretchen Jehle, MCPHS University--Worcester/Manchester

58. Preceptor Continuing Professional Development—Designing a Document Form to Engage Your Preceptors in CFD
   Administrative and/or Broad Programmatic Issues
   Erin L. Johanson, Roseman University of Health Sciences

59. Preparing for a Successful ACPE Site Visit—An Experiential Perspective
   Administrative and/or Broad Programmatic Issues
   Erin L. Johanson, Roseman University of Health Sciences

60. Interprofessional Education Opportunities in Faculty-Led Advanced Pharmacy Practice Experiences
   Educational Research
   Tina Kanmaz, St. John’s University

61. Peer Mentoring as an Innovative Introductory Pharmacy Practice Experience
   Educational Development and Innovation
   Karissa Y. Kim, University of Cincinnati

62. Evaluation of Medication Reconciliation Teaching Strategies in an Introductory Pharmacy Practice Experience Course
   Educational Development and Innovation
   Kathy Komperda, Midwestern University/Downers Grove

63. The Intention/Reflection Practice: A Structured Approach to Promoting Self-Awareness and Measuring Student Learning During APPEs
   Educational Development and Innovation
   Gardner A. Lepp, University of Minnesota

64. Student and Preceptor Report of Interprofessional Activities on Required Advanced Pharmacy Practice Experiences
   Educational Research
   Amanda Margolis, University of Wisconsin–Madison

65. Adherence Barriers Identified By A Motivational Interviewing Pharmacy-Student Intervention Among Medicare Advantage Plan (MAP) Patients
   Educational Development and Innovation
   Santhi Masilamani, University of Houston

66. Comparison of APPE Grading Between Adjunct and Full-Time Faculty
   Educational Research
   Lena M. Maynor, West Virginia University

67. Understanding Student APPE Site Selections: Identifying Sources of Information
   Educational Research
   Kate Newman, Southern Illinois University Edwardsville

68. Designing a Community Pharmacy Advanced Pharmacy Practice Experience Curriculum (APPE) for Community Pharmacy-Bound Students
   Educational Research
   Teresa A. O’Sullivan, University of Washington

69. Quantifying Introductory Pharmacy Practice Experiences—Determining What Student Pharmacists Do At Their Community Pharmacy Sites
   Educational Development and Innovation
   Catherine Oswald, Roseman University of Health Sciences

70. Perceived Value of Elective Introductory Pharmacy Practice Experiences
   Educational Development and Innovation
   Sarah R. Peppard, Concordia University Wisconsin

71. Quantity of Patient Encounters as a Predictor of Test Performance in Advanced Pharmacy Practice Experiences
   Educational Research
   Chrystian R. Pereira, University of Minnesota

72. *Evaluating the Impact of a Student Peer-Mentoring Program for Comprehensive Medication Reviews*
   Educational Research
   Brianne L. Porter, The Ohio State University

73. Introducing Students to Pharmacy Ownership Through the Development of an Entrepreneurial APPE Rotation
   Educational Development and Innovation
   Sandra W. Rosa, Albany College of Pharmacy and Health Sciences

*Student Pharmacist, Graduate Student, Resident or Fellow assisted with research*
74. *Organizational Readiness for Early Immersion of Student Pharmacists in Health-System Practice
   Educational Research
   Kimberly A. Sanders, University of North Carolina at Chapel Hill

75. Evaluation of Virtual Dispensing Software to Prepare Students for Introductory Community Pharmacy Practice Experience
   Educational Development and Innovation
   Diem Thai, West Coast University

76. 4 Year Study of the Correlation Between Clinical Rotations Completed Before Midyear to Residency Match
   Administrative and/or Broad Programmatic Issues
   Toyin S. Tofade, University of Maryland

77. Co-Curricular Activities Documented By Student Pharmacists: The Iowa Experience
   Educational Development and Innovation
   Susan S. Vos, The University of Iowa

78. Preceptor Attitudes Toward an Advanced Pharmacy Practice Experience (APPE) Rotation in Advanced Community Pharmacy Management
   Community-based Scholarship or Programs
   Julie Wickman, Philadelphia College of Osteopathic Medicine School of Pharmacy–Georgia Campus

79. Advanced Pharmacy Practice Experiences and Leadership: Patterns of Preceptor Confidence and Student Engagement
   Educational Research
   Charlene Williams, University of North Carolina at Chapel Hill

80. Recommendation and Implementation of an Evaluation Rubric for Assessment of Research IPPE and APPE Rotations
   Educational Development and Innovation
   Nicole R. Winston, Marshall University

81. Perceptions of Pharmacy Graduates on the Research Process after Completion of the Capstone Experience
   Educational Research
   Cynthia A. Wuller, Southern Illinois University Edwardsville

82. Interprofessional Education Accreditation Standards in the USA: 2015 Update
   Educational Research
   Joseph A. Zorek, University of Wisconsin–Madison

83. *Deliberate Practice as a Theoretical Framework for Interprofessional Experiential Education
   Educational Research
   Joseph A. Zorek, University of Wisconsin–Madison

Library and Information Science
Research/Education Poster Session 1

Sunday, July 24, 4:30 p.m.–6:30 p.m.
Anaheim Convention Center, Exhibit Hall E

Presenters will be at their poster to discuss their work from 4:30 p.m.–5:30 p.m.

84. Effects of Time Limits During a Drug Information (DI) Exam and Student Performance
   Educational Research
   Miki Goldwire, Regis University

85. Relationship Between Integrated Pharmacotherapy(IP) and Non-IP Cumulative Course Scores and Success on Drug Information (DI) Exams
   Educational Research
   Miki Goldwire, Regis University

86. The Growth of Food-Diet-Nutrition Literature in PubMed
   Educational Research
   Xiaomei Gu, The University of Iowa

87. The Most Important Plant-Based Food Families in PubMed
   Educational Research
   Xiaomei Gu, The University of Iowa

88. Preferred Database Use by Librarians and Drug Information Specialists and Their Demographic Information
   Administrative and/or Broad Programmatic Issues
   Melissa L. Hunter, University of Wyoming

89. *Use of Adaptive Learning to Review and RemEDIATE Incoming Pharmacy Students’ Information Literacy Skills
   Educational Research
   Natalia L. Malesa, University of Texas at Austin

90. *Effect of Information Literacy Instruction on First-Year Pharmacy Students’ Performance and Perception of Information Skills
   Educational Research
   Natalia L. Malesa, University of Texas at Austin

91. A Longitudinal Assessment of the Impact of Library Instruction on Pharmacy Students’ Information Literacy Skills
   Educational Research
   Jennifer R. Martin, The University of Arizona

92. Preference and Frequency of Using Mobile Apps for Drug Information Among Pharmacy Students
   Educational Research
   Sharon K. Park, Notre Dame of Maryland University

93. *Assessing Information Resource Access and Habits of Use Among Pharmacists
   Educational Research
   Franklin D. Sayre, University of Minnesota

94. Assessment of Perceived Stress and Coping Mechanisms in a School of Pharmacy Population
   Educational Research
   Christina M. Seeger, University of the Incarnate Word

95. Use of Examsoft® Rubrics and Dual Peer Review to Improve a Drug Information Response
   Educational Development and Innovation
   Gregory W. Smith, The University of Louisiana at Monroe

96. Using Clinical Trial Randomization to Ensure Uniform Medication Error Coverage in EHR Medication Verification Activities
   Administrative and/or Broad Programmatic Issues
   Shannon R. Tucker, University of Maryland

97. Development of a Journal Club Assignment at a Distance-Education College of Pharmacy
   Educational Development and Innovation
   Christopher S. Wisniewski, South Carolina College of Pharmacy

98. Evaluation of the “Gender Gap” on Editorial Boards of Leading Medicine, Pharmacy, and Nursing Journals
   Administrative and/or Broad Programmatic Issues
   Katherine V. Zych, University of Illinois at Chicago

Pharmaceutics
Research/Education Poster Session 1

Sunday, July 24, 4:30 p.m.–6:30 p.m.
Anaheim Convention Center, Exhibit Hall E

Presenters will be at their poster to discuss their work from 4:30 p.m.–5:30 p.m.

99. Stability of Alternative Acetaminophen Gummy Formulations for Pediatrics
   Scientific Research in the Discipline
   Abeer M. Al-Ghananeem, Sullivan University

100. Assessing Student Perceptions of the Pharm.D. Degree at a Private Tertiary Medical University in India
    Administrative and/or Broad Programmatic Issues
    Christine R. Birnie, St. John Fisher College

101. Quality Improvement Measures to Increase Licensing Exam Pass Rates
    Educational Research
    Christine R. Birnie, St. John Fisher College
Research/Education Posters

102. Effect of Repeated Testing of Math and Drug Recognition on Knowledge Retention in Pharmacy Students
Educational Research
*Student Pharmacist, Graduate Student, Resident or Fellow assisted with research
Adéola O. Coker, University of the Incarnate Word

103. Practically Speaking—Comparison of State Compounding Licensing Exam Requirements
Administrative and/or Broad Programmatic Issues
Thomas J. Cook, Touro College of Pharmacy—New York

104. The Study of the Influence of Formulation and Process Variables on the Properties of Simvastatin-Phospholipid Complex
Scientific Research in the Discipline
Vivek S. Dave, St. John Fisher College

105. Evaluation of Teaching and Assessment Methods in a Pharmacy Calculations Curriculum
Educational Research
Marie L. Davies, Western University of Health Sciences

106. An Analytical Approach to Assessing the Compounding Skills of Pharmacy Students
Educational Research
Deborah L. Elder, The University of Georgia

107. Quality by Design (QbD) in the Classroom: Identifying Critical Quality Attributes for the Flipped Classroom
Educational Development and Innovation
Jessica M. Greene, University of North Carolina at Chapel Hill

108. Evaluation of Student Perceptions About the Use of Active Learning Tools in Pharmaceutical Compounding Laboratory
Educational Research
Vivek Gupta, Keck Graduate Institute

109. Solubility and Stability of Concentrated Naloxone Hydrochloride Intravenous Infusion
Scientific Research in the Discipline
Meredith L. Howard, University of North Texas System

110. Student Perceptions and the Revision of a School of Pharmacy’s Pre-Matriculation Program
Educational Development and Innovation
Eytan A. Klausner, South College

111. Impact of Pharmaceutical Compounding Activity on Middle and High School Students’ Perception and Interest in Pharmacy
Educational Research
Uyen Le, Sullivan University

112. Enhancing Learner Acquisition of Pharmaceutical Science Curriculum Utilizing Gaming Strategies at a 3-Year Pharmacy Program
Educational Research
Ashim Malhotra, Pacific University Oregon

113. Topical Reviews to Provide Integration of Pharmaceutical Sciences in the Pharmacy Practice Classroom
Educational Development and Innovation
Ashim Malhotra, Pacific University Oregon

114. Effect of Moisture on Thermal Properties of Monoglycerides for Triggerable Drug Delivery Systems
Scientific Research in the Discipline
Abebe E. Mengesha, Drake University

115. Does Spacing Homework Improve Learning in a Team-Based Learning Course?
Educational Development and Innovation
Adam M. Persky, University of North Carolina at Chapel Hill

116. Formulation and Evaluation of a Fixed Dose Combination Capsule Containing Atenolol, Enalapril Maleate and Hydrochlorothiazide
Scientific Research in the Discipline
Nickania A. Pryce, University of Technology, Jamaica

117. Evaluation of Teaching Innovations Within a Pharmacy Calculations Course
Educational Development and Innovation
Connie M. Remsberg, Washington State University

118. An Overview of the Pharmaceutical Sterile Laboratory at a Doctor of Pharmacy Program
Educational Research
Aladin A. Siddig, University of Charleston

119. Comparison of Perceived and Observed Knowledge of P1 Students Enrolled in an Integrated Laboratory Course
Educational Research
Nicole R. Winston, Marshall University

Pharmacy Practice
Research/Education Poster Session 1
Sunday, July 24, 4:30 p.m.–6:30 p.m.
Anaheim Convention Center, Exhibit Hall E

120. Use of Nonfiction Literature to Facilitate a Discussion-Based Palliative Care and End-of-Life Course
Educational Development and Innovation
Daniel T. Abazia, Rutgers, The State University of New Jersey

121. Implementation of Interprofessional Education in a 3-Year Doctor of Pharmacy Program Curriculum in Rural Appalachia
Educational Development and Innovation
Donna M. Adkins, Appalachian College of Pharmacy

122. The Use of Simulating Sexual History Taking to Enhance Empathy & Professionalism Among 2nd Year Students
Educational Research
Sara A. Al-Dahir, Xavier University of Louisiana

123. The Impact of the Guidelines-Based Flipped Classroom Instructional Model on Pharmacy Student Perceptions
Educational Development and Innovation
Hisham Aljadhey, King Saud University

124. Innovative Instructional Pedagogy: Linking FICO, POEMs, PBL in Perfecting Critical Appraisal Skills of Pharm.D. Students
Educational Development and Innovation
Miriam Ansong, Cedarville University

125. Patient Case Video Vignettes to Teach Cross-Cultural Communication Skills in a Health Care Communications Course
Educational Development and Innovation
Sally Arif, Midwestern University/Downers Grove

126. Role of Fourth Year Pharmacy Students and Pharmacist on an Interprofessional Medical Brigade in Guatemala
Educational Development and Innovation
Nicole J. Asal, The University of Rhode Island

127. Pharm.D. Students’ Opinions on Peer Mentoring
Educational Development and Innovation
Nicole J. Asal, The University of Rhode Island

128. Comparing First Year Pharmacy Students’ Perceived and Actual Preferred Learning Method Using the VARK Questionnaire
Educational Research
Rabia Atayee, University of California, San Diego

129. Assessment of Student Perspectives on a Competition Using Review Quizzes in Therapeutics Courses
Educational Research
Dylan M. Barth, Mercy Health

130. A Case-Based Team Examination to Assess Student Pharmacists’ Medication Safety Skills and Attitudes
Educational Development and Innovation
Robert D. Beckett, Manchester University

*Student Pharmacist, Graduate Student, Resident or Fellow assisted with research
131. Using Telehealth Technology to Implement IPE Activities With Prescribing Health Care Professional Students

Kimberly J. Begley, Creighton University

132. “Creative Chaos to Critical Thinking: Evaluation of a Pharmacy Student’s Ability to Critically Think

Catherine Behret, MCPHS University–Boston

133. Development and Student Perception of an Interprofessional Educational Event Involving Seven Professions

Jessica M. Bellone, Concordia University Wisconsin

134. Use of Shadow Health Software to Improve Student Communication Skills

Nancy Borja-Hart, The University of Tennessee

135. “Impact of Simulation Utilizing Standardized Patients on Insulin Injection Technique Knowledge Among First-Year Pharm.D. Students

Riley D. Bowers, Harnett Health

136. Evaluation of an Interprofessional Education (IPE) Case Competition Activity for Health Professions Students

Jessica H. Brady, The University of Louisiana at Monroe

137. Critical Care Education in U.S. Colleges and Schools of Pharmacy

Trisha Branan, The University of Georgia


Christopher W. Bresler, University of Cincinnati

139. “Perspectives of Pharmacy and Medical Students Before and After Participation in an Interprofessional Education Activity

Megan Brown, Purdue University

140. Situation, Background, Assessment, Recommendation (SBAR) Technique Education to Enhance Pharmacy Students’ Interprofessional Communication Skills

Lindsay A. Brust-Sisti, Rutgers University

141. Novel Cultural Competency Activities Integrated Across Curricular Departments and Courses

Elizabeth A. Buckley, Concordia University Wisconsin

142. Student Confidence in Ability to Pass the NAPLEX Before and After a Faculty-Led Review Course

Erin D. Callen, Southwestern Oklahoma State University

143. Impact of a Statewide, Faculty/Student Pharmacist-Led Pneumococcal Vaccination Program

Joseph J. Carreno, Albany College of Pharmacy and Health Sciences

144. Students’ In-Class Knowledge of Pulmonary Arterial Hypertension Stratified By Cognitive Domain Level and Exam Performance

Ashley N. Castleberry, University of Arkansas for Medical Sciences

145. Task Analysis - The Forgotten Step in Designing Active Learning Educational Development and Innovation

Dan Cernusca, North Dakota State University

146. Development of an Instrument to Measure Pharmacy Student Attitudes Toward Social Media Professionalism

Marie A. Chisholm-Burns, The University of Tennessee

147. Economic Analysis of Obtaining a Pharm.D. Degree and Career as a Pharmacist

Marie A. Chisholm-Burns, The University of Tennessee

148. Pharmacists’ Interventions in improving Clinical and Patient Outcomes: An Ambulatory Care Pharmacy Practice Approach

Community-based Scholarship or Programs

MokThoong Chong, American University of Health Sciences

149. Web-Based Electronic Health Record Program: Pharmacists’ Interventions in Medicare Part D Annual Comprehensive Medication Review

Eunice P. Chung, Western University of Health Sciences

150. Evaluation of Assessment Strategies and Student Perceptions of a Course Dedicated to Curricular Integration

Megan Corsi, Roseman University of Health Sciences

151. Peer Teaching: Clinical Skills Training for Pharmacy Students (OSCE-PAL)

Jaclyn Cole, University of South Florida

152. Evaluation of Interprofessional Student Experiences in an Urban Free Clinic

Sharon E. Connor, University of Pittsburgh

153. “The Valuation and Impact of Residency Training on the Pharmacy Career Continuum

Eunice P. Chung, Western University of Health Sciences

154. Predictors of NAPLEX Performance in an Accelerated Program Administrative and/or Broad Programmatic Issues

Kimberly K. Daugherty, Sullivan University

155. Development and Use of a Team Charter in First-Year Doctor of Pharmacy Students

Michael E. DeBisschop, Manchester University

156. Student Preparation Time for Traditional Lecture Versus Team Based Learning in a Pharmacotherapy Course

Beth M. DeJongh, Concordia University Wisconsin

157. “Assessment of Pharmacy Student Didactic and Clinical Preparedness Surrounding LGBT and Mental Illness Patient Populations

Kevin A. DeLeonardo, Northeastern University

158. If You Build It – They Won’t Come: Student Utilization of Personalized Learning Analytics Data Administrative and/or Broad Programmatic Issues

Margarita V. DiVall, Northeastern University

159. Implementation of a Pharmacogenomics Laboratory

Krista L. Donohoe, Virginia Commonwealth University

160. Evaluation of Geriatric Content in a Doctor of Pharmacy Curriculum

Krista L. Donohoe, Virginia Commonwealth University

161. Impact of an Interprofessional Education Curriculum on Pharmacy Students in an Accelerated School Of Pharmacy

Jennifer L. Donovan, MCPHS University–Worcester/Manchester
Research/Education Poster Session 2
Monday, July 25, 9:00 a.m.–10:30 a.m.
Anaheim Convention Center, Exhibit Hall E

Presenters will be at their poster to discuss their work from 9:30 a.m.–10:30 a.m.

54. Impact of Electronic Versus Paper Rubrics to Assess Patient Counseling in a Skills-Based Lab Course
   Educational Research
   Eliza Dy-Boarman, Drake University

55. Pharmacy Student Perceptions of Utilizing an Electronic Medical Record in the Laboratory Setting
   Educational Research
   Kimberly G. Elder, Sullivan University

   Educational Development and Innovation
   Shareen El-Ibiary, Midwestern University/Glendive

57. Using Debates in a Third-Year Pharmacy Course to Teach Controversy in Pharmacotherapy for Special Patient Population
   Educational Development and Innovation
   Nina Elk, Fairleigh Dickinson University

58. Pharmacist-Led Home-Based Comprehensive Medication Reviews For Medicaid-Eligible Adults > 50 Years of Age
   Community-based Scholarship or Programs
   Shara Elrod, University of North Texas System

59. Adopting Transitions of Care Within the Doctor of Pharmacy Curriculum
   Educational Research
   Sara M. Eltaki, Nova Southeastern University

60. Taking Career Day to the Next Level: A Pharmacy Laboratory Field Trip for Grade School Children
   Community-based Scholarship or Programs
   Sara M. Eltaki, Nova Southeastern University

61. Threading Personal Genomic Testing Across the Pharm.D. Curriculum to Achieve Pharmacogenomics Competencies
   Educational Development and Innovation
   Philip E. Empey, University of Pittsburgh

   Educational Research
   Stephanie Enz, Butler University

63. Utilization of Pharmacy Technicians as Standardized Patients to Enhance Pharmacy Student Communication Skills
   Educational Development and Innovation
   Heidi Eukel, North Dakota State University

64. Impact of Breast Cancer Awareness Presentations in Medically Underserved Communities
   Community-based Scholarship or Programs
   Christopher L. Farrell, Presbyterian College

65. Importance of Teaching Genetic Counseling in the Pharmacy Program
   Educational Development and Innovation
   Christopher L. Farrell, Presbyterian College

66. Pilot-Project on Longitudinal, Interprofessional Home Visits With Type 2 Diabetic Patients
   Educational Research
   Debra K. Farver, South Dakota State University

67. Pain Medications: Application of Pharmaceutical Science Concepts to Patient Cases in Therapeutics
   Educational Development and Innovation
   Debra K. Farver, South Dakota State University

68. Developing Student Pharmacist Empathy: The Impact of Patient Modeling In a T1DM Skills Lab Activity
   Educational Development and Innovation
   Laurie W. Fleming, The University of Mississippi

69. "Development of a Novel Independent Pharmacy Ownership Concentration (IPOC): A Needs Assessment
   Educational Development and Innovation
   Edward F. Foote, Wilkes University

70. Changing Pharmacy Students’ Knowledge, Skills, and Attitudes about Medication Errors and Patient Safety
   Educational Development and Innovation
   Jeanne E. Frenzel, North Dakota State University

71. "Experience With the Script Concordance Test to Develop Clinical Reasoning Skills in Pharmacy Students
   Educational Research
   Kylee Funk, University of Minnesota

72. Two-Phase Pharmacy Skills Laboratory Video Project: Student Reactions and Effect on Lab Performance
   Educational Development and Innovation
   Tammy Garren, Albany College of Pharmacy and Health Sciences

73. Evaluating Admissions Criteria for Suitability of Students in the Internationally-Trained Pharm.D. (ITPD) Degree Program
   Educational Development and Innovation
   Shaun E. Gleason, University of Colorado

74. *Assessing Student Perception of Using Examsoft Platform for Test Taking in a Pharmacy Curriculum
   Educational Research
   Sanjeeva A. Goonasekera, University of Cincinnati

75. Student Pharmacist’s Attitudes Towards Individuals Experiencing Homelessness in an Interprofessional, Co-Curricular Program
   Educational Research
   Justine S. Gortney, Wayne State University

76. *Results Following Implementation of an E-Portfolio of Professional Activities
   Educational Development and Innovation
   Carrie L. Griffiths, Wingate University

77. Current Status and Future Direction of Nuclear Pharmacy Education in U.S. Schools/Colleges of Pharmacy
   Educational Research
   Simi Gunaseelan, The University of Texas at Tyler

78. Non-Patient Care Elective Course Offerings by U.S. Schools/Colleges of Pharmacy
   Educational Research
   Simi Gunaseelan, The University of Texas at Tyler

79. The Role of Online Learning in a Nationwide Survey of Student Pharmacists
   Educational Research
   Leslie A. Hamilton, The University of Tennessee

80. *"Threading”—Weaving Mastery Learning and Achievement of Competencies Into a Traditionally Graded Course Series
   Educational Development and Innovation
   Dana P. Hammer, University of Colorado

81. Pulmonary Therapeutics Module Write Your Own Practice Exam Question Assignment: Attitudes and Perceptions Quantitative Analysis
   Educational Research
   Drayton A. Hammond, University of Arkansas for Medical Sciences

82. Assessing the Impact of an Interdepartmental Workshop on Student Perceptions of a Pharmaceutics Laboratory
   Educational Development and Innovation
   Daniel J. Hansen, South Dakota State University

83. Is Grittiness Associated With Academic Performance of Student Pharmacists?
   Educational Research
   Kristopher Harrell, The University of Mississippi

*Student Pharmacist, Graduate Student, Resident or Fellow assisted with research
84. "Evaluating Synchronous Distance Education Impact on Academic Performance in a Multi-Campus Doctor of Pharmacy Program Administrative and/or Broad Programmatic Issues" Jillian E. Hayes, South Carolina College of Pharmacy

85. Development and Implementation of a Clinical Oncology Pharmacy Learning Module in India Educational Development and Innovation Keith A. Hecht, Southern Illinois University Edwardsville

86. A Comparison of Student Performance in a Self-Care Course After Implementation of Active Learning Strategies Educational Development and Innovation Karl M. Hess, Western University of Health Sciences

87. "ExamSoft Pilot: Assessing Metrics Based on Category Tagging to Evaluate Student Performance" Educational Research Courtney Hochman, University of Cincinnati

88. Are Female Pharmacy Faculty from Venus and Males from Mars? Administrative and/or Broad Programmatic Issues Eric Ip, Touro University California

89. Do Pharmacy Students Cheat? A Survey of Motivations and Predictors of Cheating Educational Research Eric Ip, Touro University California

90. Acute Care Faculty Job-Sharing: Student and Faculty Perceptions Administrative and/or Broad Programmatic Issues Alex N. Isaacs, Purdue University

91. Teaching Certificate Programs Offered by U.S. Colleges/Schools of Pharmacy Educational Development and Innovation Mohammed A. Islam, West Coast University

92. Cartography 2.0 – Re-Mapping Skills Across the Curriculum Administrative and/or Broad Programmatic Issues Amy Ives, University of Maryland

93. Four Year Evaluation of Entering Student Pharmacists’ Perceptions Regarding Spirituality and Its Role in Education Scientific Research in the Discipline Bobby C. Jacob, Mercer University

94. The Effect of an Elective Course on Student Pharmacists’ Perceptions Regarding the Pharmaceutical Industry Educational Research Bobby C. Jacob, Mercer University

95. Implementation and Assessment of an Elective Course on Ambulatory Care Pharmacy Practice Educational Development and Innovation Tarryn Jansen, South Dakota State University

96. "An Interprofessional Approach to Teaching Advanced Cardiac Life Support to Pharmacy and Nursing Students" Educational Development and Innovation Zachary N. Jenkins, Cedarville University

97. Pharmacist’s Role in a Dental Clinic: Establishing an Interprofessional Education Site Educational Development and Innovation Kalin L. Johnson, Creighton University

98. "Using Visits With Simulated Legislators to Improve Pharmacy Students’ Advocacy Skills" Educational Development and Innovation Christopher Johnson, Concordia University Wisconsin

99. Drug Monograph Project: Results of Student Survey and Assessment Educational Research Julie Kalabalik, Fairleigh Dickinson University

100. Equivalency of Faculty and Student Evaluations for Pharmacotherapy Group Presentations: Transforming Students to be Educators Educational Development and Innovation Marina Kawaguchi-Suzuki, Pacific University Oregon

101. Self-Directed Learning and Pharmacotherapy Group Presentation During Gastroenterology and Nutrition Block: Student and Faculty Perspectives Educational Research Marina Kawaguchi-Suzuki, Pacific University Oregon

102. Implementation of Community Pharmacy Dispensing Software (MyDispense) in an Advanced Pharmacy Practice Course Educational Development and Innovation Clark Kebodeaux, University of Kentucky

103. Student Perception of the Impact of Audience Response Software in a Team-Based Learning Self-Care Course Educational Research Clark Kebodeaux, University of Kentucky

104. Using Reflective Writing to Teach and Assess Health Disparities and Self-Awareness Competencies: A Rubric Approach Educational Development and Innovation Amy Kennedy, The University of Arizona

105. "Student Pharmacist Perception of Pharmacy Simulation Lab Experiences at a Private Research Intensive Institution" Educational Development and Innovation Karen A. Khalil, Northeastern University

106. Student Perceptions of a Two-Day Comprehensive Tobacco Dependence Treatment Elective Course Educational Development and Innovation Karissa Y. Kim, University of Cincinnati

107. Teaching Pharmacy Students About Health Literacy: A Community Based Learning Activity Educational Development and Innovation Kathryn T. Knecht, Loma Linda University

108. Evaluating the Jigsaw Method to Teach Valvular Heart Disease Concepts in an Advanced Cardiology Elective Educational Research Denise M. Kolanczyk, Midwestern University/Downers Grove

109. Student Perceptions and Use of Active Retrieval as a Primary Study Method Educational Research Elizabeth M. Lafitte, The University of Louisiana at Monroe

110. Development and Outcome Evaluation of Inter-Professional Education (IPE) Simulation Course in High-Fidelity Simulation Center (HFSC) Educational Development and Innovation Su Lee, West Coast University

111. "The Influence of Academic Rank and Institution Type on Pharmacy Faculty Job Satisfaction" Educational Research Cassandra Legari, University of Charleston

112. Confidence and Competence of Immunization Delivery by Pharmacy Interns: An Immunization Training Perspective Educational Research Andrea Levin, Nova Southeastern University

113. "Nutritional Education Offered by Pharmacy Schools in the United States" Educational Research Justin B. Lim, Tristan Lindfelt, Touro University California

Research/Education Posters
Research/Education Posters

115. Development of an Assessment Process for a Co-Curriculum through Mapping, Surveys, and Focus Groups
   Educational Development and Innovation
   Cameron C. Lindsey, University of Missouri–Kansas City

116. Integration of The Pharmacists’ Patient Care Process to the Pharmacy Curriculum
   Educational Development and Innovation
   Wanda T. Maldonado, University of Puerto Rico

117. Using High-Stakes Exams to Assess Advanced Pharmacy Practice Experiences Readiness in an Innovative 2+2 Program
   Educational Research
   Rae R. Matsumoto, Touro University California

118. Enhancing Pharmacy Students’ Self-Awareness Through Podcasts
   Educational Development and Innovation
   Abigale Matulewicz, Virginia Commonwealth University

119. Identifying Motivators and Barriers to Student Completion of Instructor Evaluations: A Multi-Faceted, Collaborative Approach
   Educational Research
   James W. McCauley, The Ohio State University

120. Understanding the Job to be Done by Pharmacy Graduates
   Educational Research
   Jacqueline E. McLaughlin, University of North Carolina at Chapel Hill

121. Faculty Advising and Other Incentives for Best Performance on the Pharmacy Curriculum Outcomes Assessment
   Educational Research
   Nicholas Messinger, University of Cincinnati

122. Health Literacy Training: Enhancing Students’ Knowledge and Confidence Using an Interactive, Multi-Faceted Approach
   Educational Development and Innovation
   Christina L. Mnatzaganian, University of California San Diego

123. Increasing Electronic Cigarette Awareness Amongst Teens: Community Education by Advanced Pharmacy Practice Experience Students
   Community-based Scholarship or Programs
   Amanda M. Morrill, MCPHS University–Worcester/Manchester

124. Practitioners’ Perspective on Assessment Activities to Determine Students’ Readiness for Advanced Pharmacy Practice Experiences
   Educational Development and Innovation
   Jane R. Mort, South Dakota State University

125. Assessment of Suicide Ideation Competencies in Health Professional Students Following a Blended Learning Communication Course
   Educational Research
   Cortney M. Mospan, Wingate University

126. Cultural Competency in a Medical Spanish for Pharmacists Course
   Educational Research
   Robert Mueller, Concordia University Wisconsin

127. Perceptions of Readiness and Impact of a Capstone in Pharmacy Course
   Educational Development and Innovation
   Michelle R. Musser, Ohio Northern University

Research/Education Poster Session 3

Monday, July 25, Noon–1:30 p.m.
Anaheim Convention Center, Exhibit Hall E

49. Prevalence and Characteristics of Pharmacies Owned and Operated By Schools of Pharmacy
   Administrative and/or Broad Programmatic Issues
   Joseph P. Nathan, Long Island University

50. *Piloting an Interactive, Interprofessional Error Disclosure Simulation
   Educational Development and Innovation
   Kathryn K. Neill, University of Arkansas for Medical Sciences

51. *Go Up or Get Out?! Promotion and Tenure Policies in Pharmacy Practice
   Administrative and/or Broad Programmatic Issues
   Eric C. Nemec, Western New England University

52. Is Perception Reality? Comparing Wellness Habits Using Biometrics in Pharmacy Students
   Educational Research
   Eric C. Nemec, Western New England University

53. Use of Pre-Recorded Case-Based Practice Problems with a Document Camera in an Introductory Pharmacokinetics Course
   Educational Research
   Lydia C. Newsom, Mercer University

54. The Integration of Clinical Practice Into a Medicinal Chemistry Laboratory
   Educational Research
   Surachat Ngorsuraches, South Dakota State University

55. To Assess the Impact of an Interprofessional Education Event on Student Pharmacists’ Knowledge and Attitudes
   Educational Research
   Anna Nogid, Long Island University

56. Effectiveness of a Clinical Pharmacokinetics and Iatrogenic Diseases Integrated Assignment for Improved Student Learning
   Educational Development and Innovation
   Anna Nogid, Long Island University

57. Development of Simulated Cases to Compare Student Knowledge Retention and Perception Versus Written Cases
   Educational Development and Innovation
   Ann M. Nye, Campbell University

   Scientific Research in the Discipline
   Heather A. Nyman, The University of Utah

59. Awareness of Pharmacy with Middle School Students in Science, Technology, Engineering, and Mathematics (STEM) Program
   Community-based Scholarship or Programs
   LaDonna M. Oelschlaeger, Marshall B. Ketchum University

60. Teaching Health Literacy and Education/Promotion Theories Through Student Created Public Health Posters
   Educational Development and Innovation
   Linda K. Ohri, Creighton University

61. Application of Validated Instruments to Assess University-Wide Interprofessional Education Experiences
   Administrative and/or Broad Programmatic Issues
   Kathleen A. Packard, Creighton University

62. *Change in Knowledge, Skills, and Attitudes Regarding Transitions of Care
   Educational Development and Innovation
   Jenna Pakala, North Dakota State University

63. *Specialization Within Pharmacy Education: A Survey of Curricular Track or Concentration Offerings
   Educational Research
   Katelyn Parsons, Western New England University

64. Assessment of Pharmacy Students’ Knowledge and Perception Before and After a Pharmacogenomics Simulation Activity
   Educational Development and Innovation
   Radha Patel, University of South Florida

65. Utilization of Standardized Patients for Developing Student Pharmacists’ Information Gathering Skills
   Educational Research
   Sweta M. Patel, Mercer University

*Student Pharmacist, Graduate Student, Resident or Fellow assisted with research
66. Informing A Critical Care Elective Curriculum Through A Survey of Hospital Pharmacists  
   Educational Research  
   Sarah R. Peppard, Concordia University Wisconsin

67. *Spacing Practice Improves Retention in the Self-Paced Learning of Brand/Generics  
   Educational Development and Innovation  
   Adam M. Persky, University of North Carolina at Chapel Hill

68. Interprofessional Patient Error Disclosure Training Simulation for Dental Medicine, Nursing and Pharmacy Students  
   Educational Development and Innovation  
   Therese I. Poirier, Southern Illinois University Edwardsville

69. Student-Identified Needs for a Pharmacy Residency Elective Planning Course (PREP Course)  
   Educational Development and Innovation  
   Doreen Pon, Western University of Health Sciences

70. Student Perception of a Global Health Elective in a Pharm.D. Program  
   Educational Research  
   Gina M. Prescott, University at Buffalo, The State University of New York

71. Development of an Inventory Management System Within A Dominican Republic Medical Clinic Pharmacy  
   Community-based Scholarship or Programs  
   Gina M. Prescott, University at Buffalo, The State University of New York

72. Academic Performance among Pharm.D. Students in a Patient Assessment Course Sequence Utilizing a Blended-Learning Model  
   Educational Research  
   William A. Prescott, University at Buffalo, The State University of New York

73. Student Perceptions of a Blended-Learning Model Designed to Teach Patient Assessment Skills in a Pharm.D. Program  
   Educational Research  
   William A. Prescott, University at Buffalo, The State University of New York

74. *Performance and Retention of Basic Life Support Skills Post-implementation of Peer-Led Training and Certification Program  
   Educational Development and Innovation  
   Dorela Priftanji, University of the Sciences

75. Retention of Students' Ability to Incorporate a Computer Into Simulated Patient Encounters  
   Educational Research  
   Sarah Ray, Concordia University Wisconsin

76. Teaching Strategy to Improve Class Attendance and Student's Performance  
   Educational Development and Innovation  
   Dipan B. Ray, Touro College of Pharmacy–New York

77. A Novel Instrument for Transparent Annual Goals Resulting in Impactful Annual Performance Reviews  
   Administrative and/or Broad Programmatic Issues  
   Ronald C. Reed, Husson University

78. Instilling a Rational and Methodical Approach to Acquiring Information to Answer Well-Constructed Clinical Questions  
   Educational Development and Innovation  
   Shannon L. Reit, University of Minnesota

79. Defining Milestones for Evidenced-Based Medicine Skill Progression: A Modified Delphi Study  
   Educational Development and Innovation  
   Shannon L. Reit, University of Minnesota

80. Using Multiple Peer Evaluation and Ranking to Improve Writing in a Large Pharmacy Practice Class  
   Educational Development and Innovation  
   Peter J. Rice, University of Colorado

81. *Assessing Medication Adherence in College Students Using Asymptomatic Disease Simulation in a Pharmacy Calculations Course  
   Educational Research  
   Elizabeth C. Rogers, South Carolina College of Pharmacy

82. *Pulmonary Therapeutics Module Write Your Own Practice Exam Question Assignment: Attitudes and Perceptions Qualitative Analysis  
   Educational Research  
   Jordan M. Rowe, University of Arkansas for Medical Sciences

83. Practicing Interprofessional Phone Communication With Prescribers  
   Educational Research  
   Gina J. Ryan, Mercer University

84. Use of Class Facebook Groups to Disseminate Evidence-Based Study Tips  
   Educational Research  
   Gina J. Ryan, Mercer University

85. An Interactive Approach to Enhance Student Knowledge Through a Comprehensive Oncology Case Simulation  
   Educational Development and Innovation  
   Erini S. Serag-Bolos, University of South Florida

86. Exploring the Over-The-Counter Aisle: A Case-Based Self-Care Innovative Experience  
   Educational Development and Innovation  
   Tiffany R. Shin, The University of Kansas

87. A Redesigned Practice-Readiness Grand Rounds Course: Continued Assessment of Pharmacy Students' Performance and Attitudes  
   Educational Development and Innovation  
   Nataliya Shinkazh, Touro College of Pharmacy–New York

88. Improving Student Conflict Resolution Skills Through Increased Awareness of Self and Others' Communication Styles  
   Educational Research  
   Jane Shtaynberg, Long Island University

89. *Influence of an Ambulatory Care Elective on Career Interest and Perceptions of Ambulatory Care Practice  
   Educational Research  
   Jennifer Simon, University of Charleston

90. A Model of Student Peer Review in a Medical Literature Evaluation Course  
   Educational Development and Innovation  
   Gary E. Sloskey, University of the Sciences

91. Impact of a Simulated Electronic Health Record on Student Preparedness for Clinical Practice  
   Educational Research  
   Jennifer N. Smith, University of the Sciences

92. Elective Course in Health Care Delivery and Payment Transformation  
   Educational Development and Innovation  
   Marie A. Smith, University of Connecticut

93. *A Survey Assessing the Educational Needs of Undergraduate Students Regarding Human Papillomavirus  
   Educational Research  
   Jeannie M. Smith, Harding University

94. Theoretical Model of the Use of SimScope© Within A Pharmacy Curriculum to Teach Physical Assessment  
   Educational Development and Innovation  
   Stanley Snowden, California Health Sciences University

95. Dispositional Mindfulness in Pharmacy Students  
   Educational Development and Innovation  
   Sneha Srivastava, Chicago State University

96. Escape the Room Active Learning Strategy in an Elective Course  
   Educational Development and Innovation  
   Sarah J. Steinhardt, University of South Florida

97. Exploring First Year Pharmacy Students’ Readiness for Interprofessional Learning  
   Educational Research  
   Matthew W. Strum, The University of Mississippi

Research/Education Posters
Research/Education Posters

98. Incorporating Healthcare Informatics Within a Pharmacy Curriculum: Assessment of Student Perceptions
   Educational Development and Innovation
   Maureen Sullivan, Touro College of Pharmacy—New York

99. Using Team-Based Interprofessional Education to Enhance Student Knowledge of Healthcare Professional Roles
   Educational Research
   Burgunda V. Sweet, University of Michigan

100. Evaluating Pharmacy and Physician Assistant Students’ Awareness of Interprofessional Learning in a Mock Clinical Laboratory Exercise
     Educational Research
     Catherine Taglieri, MCPHS University—Boston

101. Evaluation of the Use of a Virtual Patient on Student Performance in a Pulmonary Module
     Educational Research
     Catherine Taglieri, MCPHS University—Boston

102. Development, Implementation, and Assessment of a Day-Long Interprofessional Education (IFE) Learning Event
     Educational Development and Innovation
     Reza Taheri, West Coast University

103. *Using Standardized Patients to Enhance Students’ Learning in a Pharmacology Course
     Educational Research
     Sarah E. Thornton, University of Arkansas for Medical Sciences

104. Two-Year Assessment of First-Year Student Professionalism Prior To Commencement of a Co-Curricular Professional Engagement Program
     Educational Research
     Maria M. Thurston, Mercer University

105. *Evaluation of Adherence and Persistence With Psychotropic Medications in Patients With Early Psychosis
     Scientific Research in the Discipline
     Erika Titus-Lay, Eskenazi Health

106. Comparison of Results of Course Evaluations Administered in a Pharmacotherapy Course
     Administrative and/or Broad Programmatic Issues
     Andrew Traynor, Concordia University Wisconsin

107. A Flipped Classroom Approach to Ambulatory Care Service Development
     Educational Development and Innovation
     Teresa H. Truong, The University of Oklahoma

108. Eliminating Pharmacy Borders Through an International Interprofessional APPE Rotation Site in Rural Guatemala
     Educational Development and Innovation
     Connie A. Valdez, University of Colorado

109. Utilizing Student Pharmacists to Improve Medication Reconciliation in a Community Teaching Hospital
     Educational Research
     Ranjani Varadarajan, Shenandoah University

110. Reliability of Peer Assessments Compared With Faculty Assessments When Evaluating Individual Case Presentations
     Educational Research
     Stevie R. Veach, The University of Iowa

111. Evaluation of Peer Assessment in Student Pharmacist Standardized Patient Interviews
     Educational Development and Innovation
     Carrie Vogler, Southern Illinois University Edwardsville

112. *Predicting Factors to Recommend Preventive Aspirin in Chronic Kidney Disease (CKD) Patients
     Scientific Research in the Discipline
     Huyen D. Vu, University of Maryland

113. Ready+4’ Pharm.D: Collaborative Efforts of Admissions and Curriculum Committees to Enhance Student-Centric Pharmacy Education
     Administrative and/or Broad Programmatic Issues
     Laura H. Waite, University of the Sciences

114. Instilling Empathy in Student Pharmacists Through an Elective Lifestyle Modification Course
     Educational Development and Innovation
     Rebecca Waite, D’Youville College

115. Student-Designed Rubrics for Special Administration Techniques: Impact on Counseling Confidence and Performance in Skills Lab
     Educational Development and Innovation
     Michael L. Warren, The University of Mississippi

116. *Assessment of Pharmacy Students’ Knowledge, Attitude and Perception of Personalized Medicine and Emerging Therapies Curricular Content
     Educational Development and Innovation
     Alex Wei, Northeastern University

117. *Student Confidence, Intentions, and Factors Regarding Pursuit of Postgraduate Residency Training Following an Elective Educational Research
     Tessa Wiley, University of Arkansas for Medical Sciences

118. *Qualitative Analysis of Students’ Opinions Regarding a Fast-Paced, Interactive Learning Session on Pulmonary Arterial Hypertension
     Educational Research
     Tessa Wiley, University of Arkansas for Medical Sciences

119. Lobowings: A Pilot Study of Interprofessional Patient Safety Training
     Educational Development and Innovation
     Kristina M. Wittstrom, The University of New Mexico

120. Utilization of an Immediate Feedback Mechanism in Objective Structured Clinical Examination (OSCE) to Promote Student Learning
     Educational Development and Innovation
     Siu-Fun Wong, Chapman University

121. *Outcomes of Student-Driven, Faculty-Mentored Research and Impact on Postgraduate Training and Career Selection
     Educational Research
     Kelsey M. Woods,

122. Use of External Reviews During the Promotion and Tenure Process
     Administrative and/or Broad Programmatic Issues
     Abigail M. Yancey, St. Louis College of Pharmacy

123. Interprofessional Poverty Simulation: Engendering Empathy and Raising Awareness of Social Determinants of Health
     Educational Development and Innovation
     Veronica S. Young, The University of Texas at Austin

     Educational Development and Innovation
     Kathryn Zaborowski, University of Wisconsin–Madison

125. Pharm.D. Student Perceptions of Personal Competence With CAPE Outcomes
     Educational Research
     Darla Zarley, Roseman University of Health Sciences

126. Effectiveness of Creating Video Commercials as a Course Project on Student Learning Outcomes
     Educational Development and Innovation
     Farnoosh Zough, Loma Linda University

127. Personnel Training and Patient Education in Medical Marijuana Dispensaries in Oregon
     Scientific Research in the Discipline
     Ann Zweber, Oregon State University

*Student Pharmacist, Graduate Student, Resident or Fellow assisted with research
Research/Education Posters

Social and Administrative Sciences
Research/Education Poster Session 2
Monday, July 25, 9:00 a.m.–10:30 a.m.
Anaheim Convention Center, Exhibit Hall E

Presenters will be at their poster to discuss their work from 9:30 a.m.–10:30 a.m.

128. *An Instrument to Measure Professional Engagement
   Educational Research
   Benjamin D. Aronson, University of Minnesota

129. *Development and Student Feedback of an Objective, Structured Management Exam (OSME)
   Educational Development and Innovation
   Jill M. Augustine, The University of Arizona

130. Comparing Perceived Stress and Stress Relief Practices of Students and Faculty in Healthcare Profession Programs
   Educational Research
   Scott A. Baggarly, The University of Louisiana at Monroe

131. Medical Marijuana Dispensing Under Prescription Drug Monitoring Programs
   Scientific Research in the Discipline
   David M. Baker, Western New England University

132. The Teaching of History of Pharmacy at U.S. Pharmacy Schools
   Educational Research
   David M. Baker, Western New England University

133. *Using the Strengths Self-Efficacy Scale to Assess Pharmacy Students’ Self-Confidence in Applying Their Personal Strengths
   Educational Research
   Robert Bechtol, University of Minnesota

134. *Assessment of Student Self-Care Counseling Skill Progression Across a Semester
   Educational Research
   Stephanie M. Cailor,

135. Student Peer Assessments of Counseling When Given Information About Expected Performance Level
   Educational Development and Innovation
   Jean T. Carter, The University of Montana

136. Preceptor-Assessed Progression of Student Self-Care Counseling Skills After Integrated Learning of Content
   Educational Research
   Aleda M. Chen, Cedarville University

137. The Relations of Pharmacy Students’ Empathy and Psychological Need Satisfaction to Burnout and Psychological Well-Being
   Educational Development and Innovation
   Eun Cho, Sookmyung Women's University

138. *An Educational Strategy to Enhance the Interprofessional Learning Readiness of Pharmacy Students
   Educational Research
   Stephanie M. Cailor,

139. Utilization of a Hybrid (Face-to-Face and Online) Orientation Model for PY1 Pharmacy Students
   Educational Research
   Ellyn K. Couillard, University of South Florida

140. *The Impact of Small Group Facilitation on Student Confidence in Motivational Interviewing Skills
   Educational Research
   Juanita A. Draime,

141. Measuring Cultural Competency in Pharmacy Education
   Educational Research
   Margarita Echeverri, Xavier University of Louisiana

142. *The Role of the Pharmacist in Adherence to Antiretroviral Therapy in Patients of Caribbean Descent
   Scientific Research in the Discipline
   Alesha Edwards, Nova Southeastern University

143. *Motivational Interviewing Interventions and Outcomes in Randomized Controlled Trials with T2D adults
   Educational Research
   Gladys Ekong, Auburn University

144. *Health Literacy Awareness in Student Pharmacists: Associations with Cultural Sensitivity
   Educational Research
   Gladys Ekong, Auburn University

145. Creation of a Co-Curricular Leadership Development Program for Student Pharmacists of Professional Organizations
   Educational Development and Innovation
   Dale E. English, Northeast Ohio Medical University

146. Evolution and Outcomes of a Patient Counseling Training Module for First-Year Student Pharmacists
   Educational Research
   Kimberly B. Garza, Auburn University

147. Initial Career Interests and Values of Student Pharmacists
   Educational Research
   Justin Gatwood, The University of Tennessee

148. *Perceived Adequacy of Content and Experiences Regarding Vaccination Clinic Business Operations Among Pharmacy Students
   Educational Development and Innovation
   David L. George, The University of Oklahoma

149. Challenges and Opportunities for Pharmacists in Public Health
   Educational Research
   David A. Gettman, D’Youville College

150. A Cost- and Meta-Analysis of the Effectiveness of the Flipped Classroom in Pharmacy Education
   Educational Research
   Christopher Gillette, Marshall University

151. Applying College Choice Theory to Student Selection of a Pharmacy School: A Qualitative Study
   Administrative and/or Broad Programmatic Issues
   Diane B. Ginsburg, The University of Texas at Austin

152. *Inspiring and Preparing Student Pharmacists for Professional Advocacy
   Educational Development and Innovation
   Stephanie A. Gomez, Nova Southeastern University

153. Pharmacy Law and Public Policy Mock Board Hearing: Assessing Perceptions, Effectiveness, and Application
   Educational Research
   Mary K. Guney, Midwestern University/Glendale

154. *Personal Finance Beliefs and Behaviors: A Longitudinal Analysis of Pharmacy Graduates
   Educational Research
   Nicholas E. Hagemeier, East Tennessee State University

155. Evaluation of a Week-Long Professionalism Boot Camp for Incoming Pharm.D. Students
   Administrative and/or Broad Programmatic Issues
   Spencer E. Harpe, Midwestern University/Downers Grove

156. Competencies in Professional Program Accreditation Standards
   Administrative and/or Broad Programmatic Issues
   Ashley N. Hannings, The University of Georgia

157. Research and Evaluation Topics in Health Professional Program Accreditation Standards
   Administrative and/or Broad Programmatic Issues
   Spencer E. Harpe, Midwestern University/Downers Grove

158. Assessing the Impact of Applying a Learner-Centered Model on the Knowledge of Biostatistics Among Pharm.D. Students
   Educational Research
   Amany Hassan, D’Youville College
Pharmacy Education 2016

Research/Education Posters

159. *Associations Among Student Conflict Management Style and Attitudes Towards Empathy*
   Educational Research
   Tessa J. Hastings, Auburn University

160. *Pharmacy Practice in the South Dakota Correctional System: Discovery of an Unconventional Experiential Practice Site*
   Educational Research
   Chamika Hawkins-Taylor, South Dakota State University

   Scientific Research in the Discipline
   Lindsey Holmann, Auburn University

162. *Attitudes Towards Interprofessional Education (IPE) Among Pharmacy and Osteopathic Medical Students*
   Educational Research
   Charnicia Huggins, Touro College of Pharmacy–New York

Research/Education Poster Session 3

Monday, July 25, Noon–1:30 p.m.
Anaheim Convention Center, Exhibit Hall E

Presenters will be at their poster to discuss their work from Noon–1:00 p.m.

128. *Consumers' Comprehension and Retention of Information Presented in a Modified Direct-to-Consumer Advertisement (DTCA)*
   Scientific Research in the Discipline
   Monica Hwang, St. John's University

129. *Consumers' Intended Information Seeking Behavior After Viewing Direct-to-Consumer Advertisement (DTCA)*
   Scientific Research in the Discipline
   Monica Hwang, St. John's University

130. *Patient Satisfaction With Student Pharmacist Encounters in an Ongoing Faculty Supervised IPPE Course*
   Administrative and/or Broad Programmatic Issues
   Jan Kavookjian, Auburn University

131. *Using the World Café Method to Build a Community of Practice among Women in Pharmacy*
   Educational Development and Innovation
   Claire Kolar

132. *Motivating Factors for Underrepresented Ethnic Minority Student Selection of a Pharmacy Program: A Qualitative Study*
   Educational Research
   Robert Lamontagne, The University of Texas at Austin

133. *Three Schools, Five Years of Data: An Update on NAPLEX and MPJE Performance Determinants*
   Administrative and/or Broad Programmatic Issues
   Lisa Lebovitz, University of Maryland

134. *Using PCAT Scores to Explain Academic Performance in a 3-year Pharm.D. Program*
   Administrative and/or Broad Programmatic Issues
   Stephen Lee, Roseman University of Health Sciences

135. *Creative Partnership to Assess Health Beliefs, Health Literacy and Medication Adherence Among Ethnically Diverse Populations*
   Scientific Research in the Discipline
   Jeannie K. Lee, The University of Arizona

136. *Student And Faculty Perceptions About Mandatory Influenza Vaccinations On A Health Sciences Campus*
   Administrative and/or Broad Programmatic Issues
   Philip E. Looper, The University of Oklahoma

137. *Preparing Student Pharmacists for Patient-Focused Counseling in Asthma: Addressing Patient Barriers to Medication Adherence*
   Scientific Research in the Discipline
   Tatiana Makhinova, The University of Texas at Austin

*Student Pharmacist, Graduate Student, Resident or Fellow assisted with research

138. *Health Information Technology Competencies: Results of a Focus Group*
   Educational Development and Innovation
   Linda G. Martin, University of Wyoming

139. *Assessment of Communication, Barriers, and Impact of the AACP Leadership Development Special Interest Group*
   Administrative and/or Broad Programmatic Issues
   Whitney Maxwell, South Carolina College of Pharmacy

140. *Educating Pharmacy Students on Medicare Part D Prescription Drug Plans Through Community Outreach*
   Educational Development and Innovation
   Brittany L. Melton, The University of Kansas

141. *Evaluating Use of Comic Books in Student Learning of the Affordable Care Act (ACA)*
   Educational Research
   Jagannath M. Muzumdar, St. John's University

142. *Psychosocial Aspects of Epilepsy: The Most Stigmatized Illness of All?*
   Educational Development and Innovation
   James M. Nesbit, Harding University

143. *Application of Asymmetric Information Theory to Pharmacists’ Preference of OTC Medications*
   Scientific Research in the Discipline
   Mira Patel, The University of Arizona

144. *Pharmacy Student Awareness, Aspiration, and Preparation for pursuing Research Fellowships*
   Educational Research
   Isha Patel, Shenandoah University

145. *Analysis of Student Attirition at the University of South Florida, College of Pharmacy*
   Administrative and/or Broad Programmatic Issues
   Heather M. W. Petrelli, University of South Florida

146. *Association Between Benzodiazepine Use and Trauma in Older Patients: Findings From the Medical Expenditure Panel Survey*
   Scientific Research in the Discipline
   Gregory Reardon, The University of Findlay

147. *Extended Technology Acceptance Model for Predicting Individuals’ Intention to Use Smartphone Fitness Applications*
   Scientific Research in the Discipline
   Sanika A. Rege, University of Houston

148. *A New Public Policy Partner: The Department of Insurance*
   Educational Development and Innovation
   Carriann E. Richey Smith, Butler University

149. *The Association Between NAPLEX Pass Rate and US News and AACP Grant Funding Data*
   Educational Research
   L. Douglas Ried, The University of Texas at Tyler

150. *Assessment of the Effect of Communication Skills Training on Communication Apprehension in Pharmacy Students*
   Educational Research
   Connie F. Rust, South College

151. *Exploring the Relationship Between Sleep and Academic Performance Among Pharmacy Students in Team-Based Learning*
   Educational Research
   Melanie Sherlock

152. *Development and Validation of a Community Engagement Survey for Pharmacy and Other Healthcare Professions Students*
   Scientific Research in the Discipline
   Mark V. Siracuse, Creighton University

153. *Benefits and Challenges of Student Research as Perceived by Faculty Advisors*
   Educational Research
   Marion K. Slack, The University of Arizona
154. Are Graduate Pharmacists Ready to Provide Competent and Confident Care for Prescription Drug Misuse Patients?
   Administrative and/or Broad Programmatic Issues
   Lawrence B. Staubach, University of Wyoming

155. Challenges and Opportunities for Integrating Public Health Into Pharmacy Curricula
   Educational Development and Innovation
   Mark A. Strand, North Dakota State University

156. Development and Implementation of a Mock Trial as Final Exam in Required Evidence-Based Practice Course
   Educational Development and Innovation
   Hoai-An Truong, University of Maryland Eastern Shore

157. Utility of a Pharmacy Student Organization Leadership Retreat
   Administrative and/or Broad Programmatic Issues
   Elizabeth J. Unni, Rosenman University of Health Sciences

158. Assessing Course and Instructor Evaluations: Reducing Item Redundancy to Optimize Student Feedback
   Administrative and/or Broad Programmatic Issues
   Rosalyn P. Vellurattil, University of Illinois at Chicago

159. “The Use of Weekly “Pulse Checks” in a Professional Development Course for Quality Improvement
   Educational Development and Innovation
   Bethany Anne Von Hoff, University of Minnesota

160. Student Self-Assessment of Motivational Interviewing Skills
   Educational Research
   Rebecca M. Widder, Cedarville University

161. “The Association between Physical Activity and GPA Among Doctor of Pharmacy students
   Scientific Research in the Discipline
   Qingqing Xu, University of Houston

Stay up to date on the latest Annual Meeting activities, speakers and events. Follow us on Twitter @AACPharmacy and use the Annual Meeting hashtag #PharmEd16.

New Investigators: Get Your Research Recognized

Letters of Intent for the New Investigator Award are required and due by 5:00 p.m. ET on Friday, July 29. Applications are due by 5:00 p.m. ET on Monday, Aug. 29.

The NIA provides start-up funding for research programs led by new pharmacy faculty. Each grant, up to $10,000 maximum, will be awarded in January 2017 to faculty early in their academic careers at AACP member institutions. In addition, each award winner will be invited to present their research findings at the 2018 AACP Annual Meeting in Boston.

For more information, visit http://www.aacp.org/career/grants/nia/Pages/default.aspx

Interested in becoming a reviewer for the New Investigator Award? Contact Kirsten F. Block at kblock@aacp.org.

AACP Awards

Help AACP Recognize Outstanding Educators and Innovators

It’s never too early to start thinking about who to nominate for one of AACP’s top awards:

• Robert K. Chalmers Distinguished Pharmacy Educator Award
• Paul R. Dawson Award
• Volwiler Research Achievement Award

The online application portal will open in October. Applications will be due December 7, 2016.
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**Sunday, July 24, 4:30 p.m.–6:30 p.m.**

**Monday, July 25, 9:00 a.m.–10:30 a.m.**

**Monday, July 25, Noon–1:30 p.m.**
### Research/Education Poster Session 1
**Sunday, July 24, 4:30 p.m.–6:30 p.m.**  
*Anaheim Convention Center, Exhibit Hall E*

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### Research/Education Poster Session 2
**Monday, July 25, 9:00 a.m.–10:30 a.m.**  
*Anaheim Convention Center, Exhibit Hall E*

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