

Curriculum Vitae
Diane E. Beck, Pharm.D.

June 2014

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Current Appointments

University of Florida College of Pharmacy

- Associate Dean for Curricular Affairs & Accreditation (November 2009 – Present)
- Professor – Clinical Department of Pharmacotherapy & Translational Research (March 2004-Present)
- Graduate Faculty Member & Adjunct Professor – Clinical Department of Pharmaceutical Outcomes & Policy (May 2008 – Present)

Auburn University Harrison School of Pharmacy

- Professor Emerita Department of Clinical Pharmacy Practice (March 2003 – Present)

Previous Appointments

University of Florida College of Pharmacy

- Director of Educational Initiatives (March 2004 – June 2009)

Auburn University Harrison School of Pharmacy

- Director of Professional Experience Program/Director, Office of Experiential Learning (January 1992 – March 2004)
- Senior Faculty Advisor, Office of Teaching, Learning & Assessment (February 2001 – March 2003)
- Interim Associate Dean (May 1994 – May 1996)
- Professor – Tenured Department of Pharmacy Practice (October 1995 – March 2004)
- Director, Doctor of Pharmacy Program (September 1989 – June 1992)
- Associate Professor – Tenured Department of Pharmacy Practice (October 1985 – October 1995)
- Coordinator, Doctor of Pharmacy Program (June 1981 – August 1989)
- Assistant professor – Tenure Track (September 1979 – October 1985)

University of Alabama School of Primary Medical Care

- Adjunct Assistant Professor – Department of Pediatrics (September 1979 – November 1980)

Degrees

Miami-Dade College

- Associate in Arts – Pre-pharmacy (June 1974)

University of Florida College of Pharmacy

- Bachelor of Science – Pharmacy (June 1977)
- Doctor of Pharmacy (Pharm.D.) (August 1979)

Post-Graduate Certificates

Harvard University – Macy Institute

- Certificate - A Systems Approach to Assessment in Health Professions Education (March 2011)

University of Florida Advanced Leadership Program

Advanced Leadership – Academic Track (December 2010)

Licensure

Pharmacy License in the following States

- Florida (1977 – present)
- Georgia (1977 – present)
- Alabama (1980 – 2003)

Awards and Honors

1. **Distinguished Leadership Award.** Awarded by the University of Florida Office of Instructional Technology. October 2009.
2. **WPPD Faculty Service Award.** Awarded for outstanding contributions to the WPPD Program. December 2007.
3. **White Coat Ceremony Recognition.** In recognition for serving as keynote speaker at the University of Oklahoma White Coat Ceremony. March 2006.
4. **Chalmers Distinguished Educator Award.** Awarded by the American Association of Colleges of Pharmacy. July 2004.
5. **Innovations in Teaching Portfolio Competition Award.** Co-awarded with Janelle Krueger by the American Association of Colleges of Pharmacy. July 2003.
6. **Ashby Lecture Tribute Award.** University of Oklahoma, College of Pharmacy. March 2000.
7. **Visiting Professor Recognition.** In recognition for contributions to the Kuwait University, Faculty of Pharmacy. March 2000.
8. **Distinguished Service Award.** Auburn University – School of Pharmacy. June 1996.
9. **Innovations in Teaching Competition Finalist.** American Association of Colleges of Pharmacy. July 1994.
10. **Rufus A. Lyman Award.** American Association of Colleges of Pharmacy – Outstanding Journal Publication in 1989. July 1990.
11. **Outstanding Young Women of America.** January 1983.

Editorial Board Appointments

Currents in Pharmacy Teaching and Learning – April 2009 – July 2011.

American Journal of Pharmaceutical Education – July 2003 – July 2004.

American Journal of Health-Systems Pharmacy December 2002 – December 2005.

Scholarship – Referred Publications

Refereed Journals

1. Medina MS, Plaza CM, Stowe CD, Robinson ET, Delander G, **Beck DE**, Melchert RB, Supernaw RB, Roche VF, Gleason BL, Strong MN, Bain A, Meyer GE, Dong BJ, Rochon J, Johnson P. Center for the Advancement of Pharmacy Education 2013 Educational Outcomes. *American Journal of Pharmaceutical Education*. 2013; 77(8) Article 162.
2. **Beck DE**, Baldwin JN, Raehl CL, Speedie MK, Yanchick VA, Kerr BA. Roles of the Pharmacy Academy in Informing Consumers about the New American Pharmacist: 2010-2011 Argus Commission Report. *Am J Pharm Education*. 2011 75(10) Article S5.
3. Johnsen K, **Beck D**, Benjamin L. The impact of a mixed reality configuration on user behavior with a virtual human. Proceedings of the 10th International Conference on Intelligent Virtual Agents (<http://iva2010.org/>)
4. Draugalis JR, **Beck DE**, Raehl CL, Speedie MK, Yanchick VA, Maine LL. Call to action: Expansion of pharmacy primary care services in a reformed health system. *Am J Pharm Educ*. 2010;74(10) Article S4.
5. Blouin RA, Riffée WH, Robinson ET, **Beck DE**, Green C, Joyner PU, Persky AM, Pollack GM. Roles of innovation in education delivery. *American Journal of Pharmaceutical Education*. 2009;73(8) Article 154.
6. Kerr RA, **Beck DE**, Doss J, Draugalis JR, Huang E, Irwin A, Patel A, Raehl C, Reed B, Speedie MK, Maine LL, Athay A. Building a sustainable System of Leadership Development for Pharmacy: Report of the 2008-9 Argus Commission. *American Journal of Pharmaceutical Education*. 2009; 73 (8) Article S5.
7. Anderson C, Bates I, Beck D, Brock TP, Futter B, Mercer H, Rouse M, Whitmarsh W, Wuliji T, Yonemura A. The WHO UNESCO FIP Pharmacy Education Taskforce. *Human Resources for Health*. 2009;7:45-52.
8. Wells BG, **Beck DE**, Draugalis J, Kerr B, Maine LL, Plaza CM, Speedie MK. Report of the 2007-8 Argus Commission: What Future Awaits Beyond Pharmaceutical Care? *American Journal of Pharmaceutical Education*. 2008;72(Supp) Article S8.
9. Anderson C, Bates I, **Beck D**, Brock T, Futter B, Mercer H, Rouse M, Wuliji T, Yonemura A. (Pharmacy Education Taskforce). FIP Pharmacy Education Taskforce – Enabling Concerted and Collective Global Action. *American Journal of Pharmaceutical Education*. 2008;72 (6) Article 127.
10. Anderson C, Bates I, **Beck D**, Brock T, Futter B, Mercer H, Rouse M, Wuliji T, Yonemura A. (Pharmacy Education Taskforce). Global Pharmacy Education Consultation – Consensus for Action. *International Pharmacy Journal*. 2008.
11. Nahata MC (Chair), **Beck DE**, Draugalis JR, Flynn A, Kerr RA, Wells BG. The Academy's Agenda for Improving the Safety of Medication Use: Report of the 2006-7 Argus Commission. *American Journal of Pharmaceutical Education*. 71(6) Article S18 2007. (<http://www.ajpe.org/aj7106/aj7106S18/aj7106S18.pdf>)
12. Pharmacy Education Taskforce. (**Beck DE**, Member) Developing Pharmacy Education: FIP-WHO Pharmacy Education Taskforce. *International Pharmacy Journal*. 21 (1) August 2007.

13. **Beck DE.** 2015: Now that our vision is clearer, we realize what is still fuzzy. **American Journal of Pharmaceutical Education.** 2006;70:Article 111.
14. **Beck DE.** Learning Communities and Sustaining Excellence. **American Journal of Pharmaceutical Education.** 2006;69:Article 80. FIP-WHO Pharmacy Education Taskforce. (**Beck DE**, Member) FIP Roundtable Consultation on Pharmacy Education: Developing a Global Vision and Action Plan. *International Pharmacy Journal.* 20(1) December 2006.
15. **Beck DE.** Integrating Outcomes Assessment into Optometry Education: A Strategic Guide for Enhancing Student Learning. **Optometric Education** (Journal of the Association of Schools and Colleges of Optometry). Volume 28, Winter 2003.
16. **Beck DE, Krueger JK, Byrd D.** Experiential Learning: Transitioning Students From Civility to Professionalism. **Journal of Pharmacy Teaching.** June 2002.
17. **Beck DE.** How Can We Be Better Tomorrow Than We Are Today: Honest Conversations. **American Journal of Pharmaceutical Education.** 2002;66:336-337.
18. **Beck DE.** Where Will We Be Tomorrow? We Need a 2020 Vision. **American Journal of Pharmaceutical Education.** 2002; 66:208-210.
19. **Beck DE.** Pharmacy Educators: Can an Evidence-Based Approach Make Your Instruction Better Tomorrow Than Today? **American Journal of Pharmaceutical Education.** 2002; 66:87-88.
20. **Beck DE.** Pharmacy Faculty: How Can We Be Better Tomorrow Than We Are Today? (Council of Faculties – Editorial) **American Journal of Pharmaceutical Education.** 2001; 65:423-424.
21. **Beck DE.** Performance-Based Assessment: Using Pre-established Criteria and Continuous Feedback to Enhance a Student's Ability to Perform Practice Tasks. **Journal of Pharmacy Practice.** 2000;13:347-364.
22. **Beck DE.** Outcomes-based Practice Experiences. **Pharmacotherapy.** 2000;20(10 Pt 2):297S-306S).
23. Hollenbeck RG, **Beck DE**, Chase PA, Davis PJ, Fielding DW, Roche VF, Haist SA. Chair Report for the Academic Affairs Committee, **American Journal of Pharmaceutical Education.** 63(Winter Suppl),7S-13S(1999).
24. Kochan, FK, Anderson-Harper HM, **Beck DE.** Collaboration: An essential element in curricular reform. **Journal of Pharmacy Teaching.** 1998;6:39-51.
25. Thomas SG, **Beck DE**, Janer AL. Effect of a Continuous Pharmacy Practice Experience on Student Attitudes, Motivation, and Communication Skills. **American Journal of Pharmaceutical Education.** 1997;61:125-31.
26. **Beck DE**, Thomas SG, Janer AL. Introductory Practice Experiences: A conceptual Framework. **American Journal of Pharmaceutical Education.**1996;60:122-31.
27. Thomas SG, Janer AL, **Beck DE.** A Continuous Community Pharmacy Practice Experience: Design and Evaluation of Instructional Materials. **American Journal of Pharmaceutical Education.** 1996;60:4-12.
28. **Beck DE**, O'Sullivan PS, Boh L. Increasing the Accuracy of Observer Ratings by Enhancing Cognitive Processing. **American Journal of Pharmaceutical Education.** 1995;59:228-235.
29. **Beck DE**, Boh L., O'Sullivan PS. Evaluating Student Performance In The Experiential Setting With Confidence. **American Journal of Pharmaceutical Education.** 1995;59:236-247.
30. **Beck, D.E.,** Aceves-Blumenthal, C., Jirak, J., et al., Recognizing Volunteer Practitioners Through Intrinsic and Extrinsic Incentives. **American Journal of Pharmaceutical Education.** 1995;59:105-112.
31. **Beck, DE,** Rodman D, Pharmacokinetics Involves Lifelong Learning: The PILL Program. **American Journal of Pharmaceutical Education.** 1995;59:66-72.
32. Campagna KD, Boh LE, **Beck DE**, Brown TA, Caiola SM, Johnson SJ, Jungnickel PW, Kawahara NE, Morris NC, Tostenson CA. Standards and Guidelines for Pharmacy Practice Experience Programs. **American Journal of Pharmaceutical Education.** 1994;58(Suppl):35S - 47S.

33. **Beck DE**, Aceves-Blumenthal CA, Carson R, Culley J, Dawson K, Hotchkiss G, Jirak J, Kawahara N, Morris N, Noguchi J. Factors Contributing To Volunteer Practitioner-Faculty Vitality. **American Journal of Pharmaceutical Education**. 1993;57:305-12.
34. **Beck DE**, McMillan D. Activity Analysis of Pharm.D. Clerkship Instruction. **American Journal of Pharmaceutical Education**. 1992;56:36-43.
35. **Beck DE**, Clayton G. Validity and Reliability Of An Instrument That Evaluates Pharm.D. Student Performance During A Patient Presentation. **American Journal of Pharmaceutical Education**. 1990;54:268-74.
36. **Beck DE**, Bradley E, Farringer JA. Predicting Need For Pharmacokinetic Consultation Follow-up Using Discriminant Analysis. **Clinical Pharmacy**. 1988;7:681-8.
37. **Beck DE**, Farringer JA, Ravis WR, Robinson, A. Accuracy of Three Methods For Predicting Concentrations of Free Phenytoin. **Clinical Pharmacy**. 1987;6:888-94.
38. **Beck DE**, Ravis WR, Snead OC. Accuracy of Five Methods For Predicting Phenobarbital Concentrations in Pediatric Patients. **Clinical Pharmacy**. 1986;5:754-9.
39. **Beck DE**, Applied Pharmacokinetics: Course Description and Retrospective Evaluation. **American Journal of Pharmaceutical Education**. 1984;48:250-5.
40. **Beck DE**, Freeman B, Moore C. Toxicities With Intravenous and Subcutaneous Administration of a Petroleum Distillate. **Drug Intelligence and Clinical Pharmacy**. 1981;15:693-4.
41. **Beck DE**, Fennell RS, Yost RL, Robinson JD, Geary D, Richards GA. Evaluation of a Medication Compliance-Education Program for Pediatric Renal Transplant Patients. **Journal of Pediatrics**. 1980;96:1094-7.
42. **Beck DE**, Yost RL. Treatment of Diabetic Ketoacidosis. **Drug Intelligence and Clinical Pharmacy**. 1979;13:572-6.

Published Proceedings – Refereed

43. Contributed to & Cited in the following paper: Zellmer WA, Vlasses PH, Beardsley RS. Summary of the ACPE Consensus Conference on Advancing Quality in Pharmacy Education. **Am J Pharm Educ**. 2013; 77(3) Article 44.
44. Rodriguez H, Lok B, Lind D, **Beck D**. Audio Analysis of Human/Virtual Human Interaction. Intelligent Virtual Agents, 8th International Conference Proceedings. Volume 5208, Tokyo, Japan, Spring 2008.

Book Chapters – Refereed

45. Beck D. Education of Professionals: Professions – Pharmacy. In: **International Encyclopedia of Education**. February 2009.
46. Normann SA, **Beck DE**. Distance Learning for Health Professions Education. **Encyclopedia of Distance and Online Learning**. 2008.
47. **Beck DE**, Normann SA. Implementing Successful Online Learning Communities. **Encyclopedia of Distance and Online Learning**. 2008.
48. “The Primer Group” (Anderson-Harper, H., **Beck, D.**, Brandt, B, Chase, P). **Pharmacy Education Primer**. (Published by the American Association of Colleges of Pharmacy). Printed July 2006. Author of the following Chapters:
 - a. A Model for Curricular Design and Continuous Quality Improvement.
 - b. Decisions About Curriculum and Teaching Need to Be Evidence-Based.
 - c. How to Select Assessment Methods for a Course or Curriculum.
 - d. How to Select Instructional Methods with Consideration of Learning Taxonomies and Other Factors.
 - e. Assessment & Evaluation Terminology.
 - f. Classroom Assessment Techniques.
 - g. Self-Directed Learning.
 - h. Inculcating Professionalism: How to Instill Attitudes and Values

- i. How to Conduct Debriefing Sessions about Learning Experiences and Facilitate Reflective Thinking.
 - j. Principles of Teaching Advanced Practice Experiences: Part 1 – Introduction.
 - k. Principles of Teaching Advanced Practice Experiences: Part 2 - Establishing Expectations.
 - l. Principles of Teaching Advanced Practice Experiences: Part 3 – Teaching Strategies.
 - m. Principles of Teaching Advanced Practice Experiences: Part 4 – Feedback Strategies.
 - n. Principles of Teaching Advanced Practice Experiences: Part 5 – Strategies for Assessing Performance.
 - o. Objective Structured Clinical Examinations (OSCEs).
48. **Beck DE**, Krueger JK, Byrd D. Experiential Learning: Transitioning Students From Civility to Professionalism. Chapter in *Civility* (Berger BA, edit)., Hayworth Press, 2003.
49. **Beck DE**. Careers in Pharmacy Academia, in: *Encyclopedia of Clinical Pharmacy* (Edit: Dipro, J.), 2002.
50. Boh LE, **Beck DE**. Chapter 2 – Introduction in: *Pharmacy Practice Manual: A Guide to the Clinical Experience* (Edit: Boh LE), Lippincott, Williams & Wilkins, Baltimore, MD (2001).

Published Monographs & Abstracts – Refereed

51. Stadler H, Evans L, **Beck D.**, Krueger J. et al., Innovative strategies for community-based learning at Auburn University. Published in: **Learner-Centered Universities for the New Millenium**, Rand Afrikaans University, Johannesburg, South Africa, July 2001.
52. **Beck DE**, Evans RL, Stadler H. Implementation of a pharmacy school continuous quality improvement program: Phases I and II, **American Journal of Pharmaceutical Education**, 63(Winter Suppl), 81-2S(1999).
53. **Beck DE** and other members of Outcomes Assessment Committee. Implementation of a pharmacy school continuous quality improvement program: Phase III - Curricular Outcomes Assessment Using Milestone Exams, **American Journal of Pharmaceutical Education**. 63(Winter Suppl), 82S(1999).
54. **Beck, DE**, Smith, ST, Job, M., Grimsley, S. Sims, P., Grussing, P. Development and validation of a computer-based test for measuring pharmacokinetic dosing abilities: A consortium approach. **American Journal of Pharmaceutical Education**. 1997;61:102S.
55. **Beck DE**, Evans RL, Anderson-Harper, H, Smith R. Curriculum Work Group. The Auburn Pharm.D. curriculum. Year 1 Implementation, and Vision. **American Journal of Pharmaceutical Education**. 1997;61:103S.
56. **Beck DE**, Betageri G, Pearson RE, Smith TS, Rodman D. Conceptual framework for an entry-level Pharm.D. degree program: Evolution of a concept-based curricular model. **American Journal of Pharmaceutical Education**. 1996;60:103S.
57. Robinson ET, **Beck DE**, Anderson-Harper HM, Kochan FK. The use of faculty developed scenarios in the curriculum design process. **American Journal of Pharmaceutical Education**. 1996;60:79S.
58. **Faculty Mentor Group***. The Auburn University School of Pharmacy orientation program: An Authentic experience. **American Journal of Pharmaceutical Education**. 1996;60:101S. (* **Beck** Contributions: Coordinated orientation program, wrote abstract and prepared poster).
59. **Faculty Mentor Group***. Reflections on a pilot faculty-peer mentor team experience. **American Journal of Pharmaceutical Education**. 1996;60:91S. (* **Beck** Contributions: Coordinated mentor and orientation program, wrote abstract and prepared poster).
60. **Beck DE**, Aceves-Blumenthal C, Carson R, Hotchkiss G, Jirak J, Noguchi J, O'Sullivan T, Skelton D. Vitality of Volunteer Practitioner-Instructors: Phase II Results. **American Journal of Pharmaceutical Education**. 58(Winter Suppl), 108S(1994).
61. Thomas SG, **Beck DE**, Janer AL. Effect of a Continuous Community Pharmacy Experience on Student Attitudes, Motivation and Communication Skills (Final Results). **American Journal of Pharmaceutical Education**. 58(Winter Suppl), 112S(1994).

62. **Beck DE**, Rodman D. Pharmacokinetics Involves Lifelong Learning: The PILL Program. **American Journal of Pharmaceutical Education**. 58(Winter Suppl),120S(1994).
63. Thomas SG, **Beck DE**, Janer AL. Effect of a Continuous Community Pharmacy Experience on Student Attitudes, Motivation and Communication Skills. **American Journal of Pharmaceutical Education**.57(Winter Suppl),110S(1993).
64. **Beck DE**, Abbott GA. Pharm.D. Student Contributions To Patient Care: A Comparison Of Program Faculty, Outside Faculty and Practitioner Ratings. **American Journal of Pharmaceutical Education**. 56(Winter Suppl),81S(1992).
65. **Beck DE**, Abbott GA, Thomas SG, Janer AL. Measuring The Evolution Of Professionalism In Pharmacy Students. **American Journal of Pharmaceutical Education**. 56(Winter Suppl),81S(1992).
66. **Beck DE**, McMillan D. Activity Analysis of Clerkship Instruction. **American Journal of Pharmaceutical Education**. 56(Winter Suppl),131S(1992).
67. **Beck DE**, Clayton GA. Validity and Reliability of an Instrument That Evaluates Pharm.D. Student Performance During A Patient Presentation. **American Journal of Pharmaceutical Education**.56(Winter Suppl),120S(1992).
68. Boh LE, **Beck DE**, Aceves-Blumenthal C, Schneider F, Spunt A. An Experiential Education Evaluation System. **American Journal of Pharmaceutical Education**. 55(Winter Suppl),150S(1991).
69. **Beck DE**, Farringer JA, Ravis WR, Robinson A. Prediction of Free Phenytoin Serum Concentrations in the Clinical Setting. **Drug Intelligence and Clinical Pharmacy**. 1985;19:469.
70. **Beck DE**, Ravis WR. Prediction of Phenobarbital Levels in Pediatric Patients. **Drug Intelligence and Clinical Pharmacy**. 1985;19:469.
71. Miller RW, **Beck DE**, McMillan DM, Farringer J. Comparison of the 1976 and 1978 Versions of the Hull and Sarrubi Nomograms in 96 General Medicine Patients. **Drug Intelligence and Clinical Pharmacy**. 1984;18:503.

Published Best Practices – Refereed

72. **Beck DE**. Administration of Experiential Education: A Decentralized Program, Use of a Faculty Extender, and an Innovative Experiential Learning Council. American Association of Colleges of Pharmacy, Submitted December 2002; Posted on the AACP web:
(http://www.aacp.org/Docs/MainNavigation/Resources/4951_Administration.pdf) March 2003.

Web-based Materials – Refereed

73. **Beck, DE**. Careers in Pharmacy Academia, in: **Encyclopedia of Clinical Pharmacy** (Edit: Dipro, J.), 2003 (hard copy version cited above).
74. **Beck DE**, Calero-Breckheimer A. Assessment of Instructional Effectiveness, Module 5 in **Education Scholar**, A health professions faculty development program jointly developed by the American Association of Colleges of Pharmacy and Western University for the Health Sciences, www.educationscholar.org Implemented Fall 2002.

Scholarship - Other

Teaching Portfolios – Refereed and Competitive

1. Krueger JL, **Beck DE**. Involving Students in Community-Based Pharmaceutical Care from Day 1: A Team-Based Model Involving All Faculty and Students. Submitted to the AACP Innovations in Teaching Competition, February 2003. (See Awards Section: Award Received for this work)
2. **Beck DE**. The PILL Program: Pharmacokinetics Involves Lifelong Learning. Portfolio submitted to the AACP Innovations in Teaching Competition (See Awards Section), July 1994.

Teaching Portfolios – Refereed

1. **Beck DE.** *Scholarship of Teaching Portfolio.* Portfolio documenting the Scholarship of Teaching in the areas of: Teaching; Curriculum Development, Instructional Design, and Assessment; Advising & Mentorship; and Educational Administration and Leadership. May 2002.
2. **Beck DE.** *Teaching Portfolio.* Portfolio completed under the direction of Dr. Peter Selden who conducted a workshop for 12 Faculty Members selected by Auburn University for participation in a Teaching Excellence program. July 1995.

Other Creative Scholarly Works

1. **Beck DE.** Ability Based Outcomes and Learning Goals. Developed Presentation and Module for the APEX Preceptor Development Program (a web-based preceptor development program developed by the Office of Experiential Education, College of Pharmacy, University of Florida), May 2005.
2. Successful Teaching Excellence Perspectives Group (Anderson-Harper H, **Beck DE**, Brandt B, Chase P) *Primer in Pharmaceutical Education Manual*, (Designed the layout, assimilated materials from other authors, edited the Manual, and directed printing by a local copy center) July 1999, Revised June 2000.
3. Thomas SG, Janer AL, **Beck DE.** *Community Clerkship Manual*, Supported by a grant from the American Association of Colleges of Pharmacy, (Manual has been distributed to 79 pharmacy schools in the United States) 1995.
4. **Beck DE.** *Handbook on Pharmacokinetic Dosing for Medical Residents*, Carraway Methodist Medical Center, Birmingham, AL, 1993.
5. Boh L, Aceves-Blumenthal C, **Beck DE**, Schneider F, Spunt A. *The Experiential Evaluation Workshop Manual*, (Now Available to all Colleges of Pharmacy Through The American Association of Colleges of Pharmacy) 1993.
6. **Beck DE**, Boh L, O'Sullivan PS. Developed materials and co-directed *The Experiential Evaluation Workshop Resource Manual* that was subsequently used by other faculty.
7. **Beck DE**, Boh LE, Aceves-Blumenthal C, Schneider F, Spunt A. *Experiential Evaluation Workshop Videotapes* Directed Production of the Videos July 1991.
 - Videotape I - Orientation to the EEI
 - Videotape II - Evaluating Mary Bass
 - Videotape III - How to Evaluate Patient Monitoring Skills of Students
 - Videotape IV - Shades of Gray
 - Videotape V - That's What the Doctor Ordered
8. **Beck DE**, Janer AL, Clayton GA, *Videotape To Train Preceptors To Evaluate Patient Presentations*, 1990.
9. **Beck DE**, Dozzi A. *Potential Roles for Pharmacists in Pediatric Ambulatory Care*, **ASHP-VOICES-80 Audio-Tape Series**, January 1980.
10. **Beck DE**, Kinnaird P. *Handbook of Pediatric Emergency Drug Dosages*, Huntsville Hospital, Huntsville, AL, 1980.

Invited Articles

1. **Beck DE.** Seizure Disorders and Their Treatment. **Pharmat.** Volume XX, Number 2, Pages 1-18 (1994).

Letters to the Editor

1. **Beck DE.** Comments and Corrections on Dosing Guidelines. **Drug Intelligence and Clinical Pharmacy.** 1983;17:911.
2. Ravis WR, **Beck DE.** Comments on Phenobarbital Dosing in the Neonates. **Clinical Pharmacy.** 1984;4:20-1.

Invited Presentations at National and International Meetings

1. **Beck D.** Study Designs for Educational Research. Presented at: American College of Clinical Pharmacy Meeting. Albuquerque, NM. October 2013.
2. **Beck DE.** The Self-Study Process. Special Session. AACP Annual Meeting, Chicago, IL. July 16, 2013.
3. **Beck DE.** Assessment Innovations: A systems approach to program evaluation. ACPE Consensus-Seeking Conference, Atlanta, GA; Sept 12-14, 2012.
4. **Beck DE.** Panelist - Innovations in Assessment & Quality Improvement in Pharmacy Education. ACPE Consensus-Seeking Conference, Atlanta, GA; Sept 12-14, 2012.
5. **Beck DE,** Dipiro J, Nemire RA. Scholarship in Experiential Education: Overcoming the challenges. Experiential Education Section Program, AACP Annual Meeting, San Antonio, TX, July 2011.
6. **Beck DE,** Nemire R. Scholarship for Experiential Directors (Follow up session with participants in the 2010 workshop), San Antonio, TX, July 2011.
7. **Beck DE.** Study Designs for Educational Research (ACCP Seminar), Pittsburgh, PA; , October 2011. 1 hr presentation
8. **Beck D E,** Nemire R. Scholarship for Experiential Directors (AACCP Workshop – 2 days), San Antonio, TX, Sept 27-29, 2010 {Workshop Leader}
9. **Beck D E.** Study Designs for Educational Research (ACCP Seminar), Austin, Tx, October 2010. 1 hr presentation
10. **Beck D.** Study Designs for Educational Research. Presented at: American College of Clinical Pharmacy Meeting. Anaheim, CA. October 2009.
11. **Beck D,** Normann SA. Defining an Effective Learning Environment: The Community of Inquiry Framework. Presented at: Lifelong Learning in Pharmacy Conference. Helsinki, Finland. June 2009.
12. Normann SA, **Beck D.** Sustaining a Mature Program: The Role of a Needs Assessment. Presented at: Lifelong Learning in Pharmacy Conference. Helsinki, Finland. June 2009.
13. **Beck D,** Plaza C, Bungay K. Survey Research. Presented at: American College of Clinical Pharmacy Meeting. Orlando, FL. April 28, 2009.
14. Davidson R, **Beck D,** Cooper L, Rosenberg E. Developing an Interprofessional Patient Safety Curriculum. Presented at SGEA Regional Meeting – American Association of Medical Colleges. New Orleans, LA. April 2, 2009.
15. **Beck D.** Study Designs for Educational Research. Presented at: American College of Clinical Pharmacy Meeting. Louisville, KY. October 21, 2008.
16. **Beck DE,** Austin Z, Bracegridle L, Lok B, Monaghan M. OSCEs and Virtual Patient Simulations in Pharmacy Education. Presented at the AACP Annual Meeting, Chicago, IL. July 22, 2008.

17. **Beck DE.** How to Teach Pharmacy Students in 2020: An American Perspective. Asian Association of Schools of Pharmacy, Manila, Philippines, October 2007.
18. **Beck DE.** Domains for Action. FIP Global Pharmacy Education Consultation. International Pharmaceutical Federation Annual Meeting, Beijing, China, September 2007.
19. **Beck DE.** The FIP Pharmacy Education Taskforce. Developing a Global vision and Action Plan. Special Session on International Pharmacy Education. American Association of Colleges of Pharmacy Annual Meeting, Orlando, FL, July 2007.
20. **Beck DE, Normann SA.** A Blended Learning Curriculum and the Perceived Value of a Face-to-Face Session at the Main University Campus. Oral Presentation, Lifelong Learning in Pharmacy Conference. Hertfordshire, UK, July 2007.
21. Normann SA, **Beck DE, Kellenberger DA.** Case Study of a Course Using Blended Learning: Should Social Virtual Worlds and Other Innovative Technologies be Incorporated? Lifelong Learning in Pharmacy Conference. Hertfordshire, UK, July 2007.
22. **Beck DE.** Pharmacy Education in the US. Fudan University – 70th Anniversary Symposium, Shanghai, China, October 2006.
23. **Beck DE.** Tips on How To Evaluate Students and Staff. New England Pharmacists Association Meeting. Foxwoods, CT, USA, September 2006.
24. **Beck DE.** Pharmacy Education Domains: What Topics are Of Interest to Pharmacy Educators Around The World. Invited Presentation at the FIP Meeting, Salvador Bahia, *Brazil*, August 2006.
25. **Beck DE.** US Colleges and Schools of Pharmacy- Current Status, Role of AACP and ACPE Accreditation. Beijing International Clinical Pharmacy Conference, Beijing, *China*, April 2006.
26. **Beck DE, Boettcher J, Kellenberger A, Normann SA.** Using IT to move Continuing Education to Continuous Professional Development in the Health Professions. EDUCAUSE Annual Meeting, Platform Presentation, Orlando, FL, October 2005.
27. **Beck DE.** Future Trends for E-Learning. Conducted a Media Briefing, FIP Meeting, Cairo, *Egypt*, September 2005.
28. Wharton A, **Beck DE.** Do's and Don't's of Online CE. Accreditation Council for Pharmaceutical Education (ACPE) Continuing Education Program for Providers, Chicago, IL, September 2005.
29. Normann SA, Kellenberger A, **Beck DE.** Technology as an Integral Component of the WPPD Program. Platform Presentation. International Lifelong Learning in Pharmacy Conference, Saskatoon, *Canada*, May 2005.
30. Normann SA, Snyder AE, Zuest G, **Beck DE, Riffée B.** Clinical Pharmacist Practitioner Teachers: Role in Post-Baccalaureate Degree Programs. European Society of Clinical Pharmacists, Stockholm, *Sweden*, May 2005.
31. Normann SA, **Beck DE.** Partnerships between Europe and the USA: Past Experiences and Strategies for Expansion. European Association of Faculties of Pharmacy, Valletta, *Malta*, March 2005.
32. Beck DE. Active Learning. FIP Meeting, New Orleans, LA, September 2004.
33. Gardner SG, **Beck DE, Monaghan M, Ryan M.** Standardized Patient Presentations: Hip or Hype?, AACP Special Session, AACP Meeting, Minneapolis, MN, July 2003.
34. **Beck DE, Henderson R, Sands C et al.** Excellence In Experiential Learning In Dynamic Times: Are We Waiting Until Experiential Learning Is Broken to Fix It? AACP Special Session, AACP Meeting, Minneapolis, MN. July 2003.
35. Barr J, **Beck D, Holstad S.** Student APPE Portfolios. AACP Special Session, AACP Meeting, Minneapolis, MN, July 2003.
36. Krueger J, Evans RL, **Beck D.** Innovations In Teaching Presentation: Instilling a Patient Care Culture: Engaging All Student and Faculty in the Continuous Care of Community-Based Patients. AACP Session on Innovations in Teaching, AACP Meeting, Minneapolis, MN, July 2003.

37. **Beck DE**, Evans RL, Monaghan M, Stohs S, Boyce E, Downs G., Outcomes Assessment: Moving from Innovation to Integration, AACP Special Session, AACP Meeting, Kansas City, KA, (Responsible for conceptualizing program, recruiting participants, writing proposal, and leading the session) July 2002
38. **Beck DE**, Establishing Learning Outcomes, Geriatric SIG Special Session, AACP Meeting, Kansas City, KA, July 2002.
39. **Beck DE**, "*Active Learning*," Invited, American Council on Pharmaceutical Education (ACPE) Conference for CE Providers, Two 2-hour sessions. Phoenix, AZ, November 2001.
40. **Beck DE**, Lecture, "*Adult Learning*," Invited, American College of Clinical Pharmacy mid-year meeting, Monterey, CA, April 2000.
41. **Beck DE**, Wadelin J. "*Documenting Mission and Outcomes*," Invited, ACPE Conference for CE Providers, Coral Gables, FL, September 1999.
42. **Beck DE**, "*Program Evaluation*," Interactive Workshop, Invited, American Association of Colleges of Pharmacy Curriculum Institute, Leesburg, VA, May 1999.
43. **Beck DE**, "*Assessment Nuts and Bolts*," Lecture/Active Learning Workshop, Invited, American Association of Colleges of Pharmacy Curriculum Institute, Leesburg, VA, May 1999.
44. Hollenbeck, G, **Beck DE**, "*Outcomes-Based Assessment*," Invited, American Association of Colleges of Pharmacy Curriculum Institute, Leesburg, VA, May 1999.
45. **Beck DE**, "*Outcomes-based Practice Experiences*," Invited, American Association of Colleges of Pharmacy Curriculum Institute, Leesburg, VA, May 1999.
46. **Beck DE**, "*Experiential Learning*," Invited, American Association of Colleges of Pharmacy Curriculum Institute, Leesburg, VA, May 1999.
47. **Beck DE**, "*Advanced Practice Experiences Outcomes-Assessment*", Invited, American College of Clinical Pharmacy Meeting, Orlando, FL, April 1999. (International Meeting)
48. **Beck DE**, "*Milestone Exams – Exam Simulations*", Invited, American College of Clinical Pharmacy Meeting, Orlando, FL, (Conducted 2 workshops - International Meeting) April 1999.
49. **Beck DE**, "*Computer-Based Testing*," Invited, Annual, American Association of Colleges of Pharmacy Meeting; Snowmass, CO, July 1998.
50. **Beck DE**. Invited, *Educational Research and Professional Organizations*, Annual, American Educational Researchers Association Meeting; San Diego, CA, April 1998.
51. **Beck DE**. *A Computer-Based Test to Assess Pharmacokinetic Dosing Abilities*. Invited Presentation at a Special Session on Computer-Assisted Instruction, American Association of Colleges of Pharmacy Annual Meeting, Indianapolis, IN, July 1997.
52. **Beck DE**. *Auburn University: Pharm.D. 2001: An Ability Outcomes-Based Curricular Odyssey*. Invited Presentation and Panel Discussant at a Special Session Entitled, "A Framework for Curricular Change: Mentoring Partnerships to Facilitate Expansion of Ability-Based Education in Schools of Pharmacy. American Association of Colleges of Pharmacy Annual Meeting, Indianapolis, IN, July 1997.
53. Boh LE, **Beck DE**. *Evaluating Student Performance in the Experiential Setting*, Invited Platform Presentation at the PEPSIG Special Session, American Association of Colleges of Pharmacy Annual Meeting, Philadelphia, PA, July 1995.
54. **Beck DE**. *Curricular Reform in Pharmacy Education/Introductory Practice Experiences*. Invited Platform Presentation at the Alabama Society of Hospital Pharmacists Preceptor Seminar, Birmingham, AL, March 1995.
55. **Beck DE**. *Early Clerkship Experience*. Invited Platform Presentation at the American College of Clinical Pharmacy Annual Meeting, Orlando, FL, February 1995.
56. **Beck DE**. *Preceptor Needs Project: Study Results*. Platform Presentation at the American Association of Colleges of Pharmacy Annual Meeting, Albuquerque, NM, July 1994.
57. **Beck DE**. *Preceptor Needs and Recognition*. Platform Presentation at the American Association of Colleges of Pharmacy Annual Meeting - PEP-SIG Session, San Diego, CA, July 1993.

58. **Beck DE.** *Communications In Experiential Education: Securing The Links.* Invited Lecture Presented at the 1992 American Pharmaceutical Association Meeting, San Diego, CA, March 1992.
59. Clayton GA, **Beck DE.** *Validity and Reliability of An Instrument that Evaluates Clerkship Performance.* Platform Presentation by D.E. Beck at the American Educational Researchers Association Meeting, Boston, MA, April 1990.
60. **Beck DE.** *Drug Use in the Adolescent,* Presented at the American Society of Hospital Pharmacists Pediatric Institute, Birmingham, AL, October 1979.
61. **Beck DE.** *Role of the Pharmacist in Pediatric Ambulatory Care,* Presented at the American Society of Hospital Pharmacists Pediatric Institute; Birmingham, AL, October 1979.

Presider and Leader at National Meetings

1. *Presider,* Closing Remarks: Teacher's Seminar. AACP Annual Meeting, Cincinnati, OH, July 2005.
2. *Presider,* Closing Plenary Session: Neurosciences and Epilepsy. AACP Annual Meeting, Salt Lake City, Utah, July 2004.
3. *Presider,* Innovations in Teaching Session. AACP Annual Meeting, Salt Lake City, Utah, July 2004.
4. *Past-Chair Report,* AACP Council of Faculties Section – Business Meeting, AACP Annual Meeting, Minneapolis, MN, July 2003.
5. *Chair and Facilitator,* AACP ASCC – Business Meeting, AACP Annual Meeting, Minneapolis, MN, July 2003.
6. *Past-Chair Report,* AACP Council of Faculties Section – Business Meeting, AACP Annual Meeting, Long Beach, CA, February 2003.
7. *Chair and Facilitator,* AACP Council of Faculties Section – Business Meeting, AACP Annual Meeting, Kansas City, KA, July 2002.
8. *Chair and Facilitator,* AACP ASCC – Business Meeting, AACP Annual Meeting, Kansas City, KA, July 2002.
9. *Presider,* AACP Council of Faculties Section – Business Meeting, AACP Interim Meeting, Houston, TX, February 2002.
10. *Incoming Chair Address,* AACP Council of Faculties Section – Business Meeting, AACP Annual Meeting, Toronto, Canada, July 2001.
11. *Presider,* AACP Teachers of Pharmacy Practice Section – Business Meeting, AACP Annual Meeting, San Diego, CA, July 2000.
12. *Presider,* AACP Teachers of Pharmacy Practice Section Meeting held at the ASHP Mid-Year Meeting, Orlando, FL, December 1999.
13. *Presider,* AACP Teachers of Pharmacy Practice Section – Business Meeting, AACP Annual Meeting, Boston, MA, July 1999.
14. *Panel Discussant,* Facilitating the Development, Recruitment, and Retention of Pharmacy Practice Faculty, AACP Teachers of Pharmacy Practice Section – Special Session, AACP Annual Meeting, Boston, MA, July 1999.
15. *Co-Presider,* with Kuehl P., 1.5 hour Plenary Session and three 1.5 hour Workshops, Career Development for Pharmacy Practice Faculty, AACP Teachers of Pharmacy Practice Section – Special Session, AACP Annual Meeting, Boston, MA, July 1999.
16. *Teaching and Outcomes Assessment Committee Report* to the Council of Faculties; Mid-Winter; American Association of Colleges of Pharmacy Meeting; Savannah, GA, February 1998.
17. *PEP-SIG Committee Committee Report to Teachers of Pharmacy Practice Section; Annual;* American Association of Colleges of Pharmacy; Reno, Nevada, July 1996.

Facilitator/Leader of Workshops at National Meetings

1. **Beck DE.** *Leading the Leaders: A Conference Wrap-Up.* Panel Discussion Participant. **Campus Technology Winter 2007 Meeting**, San Francisco, CA, USA; December 2007.
2. **Beck DE,** Normann SA. (Workshop Leaders), *Going Global: Advance Your Intuition via a Winning Worldwide Learning Initiative.* A 6-hour workshop conducted at the **Campus Technology Winter 2007 Meeting**, San Francisco, CA, USA; December 2007.
3. Anderson-Harper H., **Beck DE,** Brandt B., Chase P. (**Workshop Leaders**), *Primer in Pharmaceutical Education.* A 6-hour workshop for New Faculty, conducted at the American Association of Colleges of Pharmacy Annual Meeting, San Diego, CA, USA; July 2006.
4. **Beck DE,** Chisholm MA. *The Scholarship of Teaching: Design, Conduct and Dissemination.* A Teachers Seminar Workshop. American Association of Colleges of Pharmacy Annual Meeting, July 2005.
5. Anderson-Harper H., **Beck DE,** Brandt B., Chase P. (**Workshop Leaders**), *Primer in Pharmaceutical Education.* A 6-hour workshop for New Faculty, conducted at the American Association of Colleges of Pharmacy Annual Meeting, Kansas City, KA, USA; July 2002. Responsible for conceptualizing the workshop, preparing the proposal for initial funding, and serving as a workshop leader.
6. **Beck DE,** Daum K. *Outcomes-Based Assessment,* Invited, American Optometry Association – Workshop for CEOs, 1.5 day workshop. Boston, MA, June 2001.
7. Anderson-Harper H., **Beck DE,** Brandt B., Chase P. (**Workshop Leaders**), *Primer in Pharmaceutical Education.* A 6-hour workshop for New Faculty, conducted at the American Association of Colleges of Pharmacy Annual Meeting, San Diego, CA, USA; July 2000. Responsible for conceptualizing the workshop, preparing the proposal for initial funding, and serving as a workshop leader.
8. **Beck DE,** Curriculum Institute Facilitator, *“Facilitator to 4 participating pharmacy schools,”* Invited, American Association of Colleges of Pharmacy, Leesburg, VA, May 2000.
9. Boyce E, Anderson-Harper H, **Beck DE.** Plenary Session, *“Assessment Basics: Establishing a Common Language & Components of an Assessment Plan,”* Invited, American Association of Colleges of Pharmacy Curriculum Institute, Leesburg, VA, May 2000.
10. **Beck DE,** Workshop, *Assessment Basics: Performance-Based Assessment,”* Invited, American Association of Colleges of Pharmacy Curriculum Institute, Leesburg, VA, May 2000.
11. **Beck DE,** Chase P., Plenary Session, *“Performance-Based Assessment: Point-CounterPoint Debate,”* Invited, American Association of Colleges of Pharmacy Curriculum Institute, Leesburg, VA, May 2000.
12. **Beck DE,** Workshop, *“Classroom Research,”* Invited, American Association of Colleges of Pharmacy Curriculum Institute, Leesburg, VA, May 2000.
13. **Beck DE,** Workshop, *“OSCEs in Outcomes Assessment,”* Invited, American Association of Colleges of Pharmacy Curriculum Institute, Leesburg, VA, May 2000.
14. **Beck DE,** Workshop, *“Student Evaluation of Courses and Faculty,”* Invited, American Association of Colleges of Pharmacy Curriculum Institute, Leesburg, VA, May 2000.
15. Brandt B, Anderson-Harper H, **Beck DE,** Chase P. Plenary Session, *“Master-Teacher – Demonstration of a Computer-Based Faculty Development Module,”* Invited, American Association of Colleges of Pharmacy Curriculum Institute, Leesburg, VA, May 2000.
16. **Workshop Developer and Leader,** *Primer in Pharmaceutical Education –* A 6-hour workshop for New Faculty, conducted at the American Association of Colleges of Pharmacy Annual Meeting, Boston, MA, July 1999.
17. **Facilitator,** *American Association of Colleges of Pharmacy Curriculum Institute,* Leesburg, VA, May 1999.

18. **Facilitator**, *American Association of Colleges of Pharmacy Curriculum Institute*, Leesburg, VA, May 1998.
19. **Round Table Discussant**, FIPSE Project – *Early Practice Experiences*, American Association of Colleges of Pharmacy Annual Meeting, Snowmass, CO, July 1998.
20. **Beck DE**, Presider of Workshop; *Instructional Technology in Pharmacy Practice Education*, Section of Teachers of Pharmacy Practice Program, American Association of Colleges of Pharmacy Annual Meeting, Snowmass, CO, July 1998. (Also coordinated development of the program)
21. **Beck DE**, Presider of Symposium; Symposium on Post-Graduate Pharmacy Residency Education, *American Association of Colleges of Pharmacy Section of Teachers of Pharmacy Practice Program* at the American Society of Health-System Pharmacists Annual Meeting, Las Vegas, NV, December 1998 (Also coordinated development of program).
22. **Beck DE**, Conducted and Coordinated Planning with Susan Meyer, Ph.D., for Workshop on FIPSE Project – *Dissemination of Curricular /Instructional Strategies*, American Association of Colleges of Pharmacy Annual Meeting, Snowmass, CO, July 1998.
23. **Beck DE**, Lemke T, Meyer S. *Mentoring Partnerships to Facilitate Expansion of Ability-Based Education in Schools of Pharmacy*; Invited - Group Discussion Leader; Mid-Winter; American Association of Colleges of Pharmacy Meeting; Savannah, GA, February 1998.
24. **Beck DE**. Co-Chair of Special Session (Joint PEP-SIG - Pharmacy Practice Section): *Practice-Based Teaching* (Christine Nimmo, Speaker); Annual; American Association of Colleges of Pharmacy; Reno, NV, July 1996.
25. **Beck DE**, Panel Member; *Teaching as Community Property*; AACP Interim Meeting. Costa Mesa, CA, March, 1996.
26. **Beck DE**, Facilitator; *Syllabi and Scholarship Workshop*; Interim Meeting; AACP; Costa Mesa, CA, March 1996.
27. **Beck DE**, Facilitator; *AACP Conference on the Case Method in Pharmaceutical Education*; Interim Meeting; AACP; Hilton Head Island, SC, February 1994.

Poster Presentations

1. Archer J, **Beck D**, Moss S, O’Sullivan R, Reid D, Sahm L. Harmonizing pharmacy clinical competencies for students and professionals: findings and results. FIP Meeting, Amsterdam, Netherlands, October 2012.
2. Ried L, Archer J, Beck D, Moss S, O’Sullivan R, Sahm L. Identifying global pharmacy competencies using the Delphi process. FIP Meeting, Amsterdam, Netherlands, October 2012.
3. Weitzel K, **Beck DE**, St Onge, E, et al. Interprofessional Education: Achieving Standard Outcomes Across Multiple Campuses. American Association of College of Pharmacy Annual Meeting, Kissimmee, FL, July 2012.
4. Rose RL, **Beck DE**, Normann SA, Zuest G. *Community of Inquiry Framework: Generalizability to a Blended Learning Program in Pharmacy Education*. Association of Colleges of Pharmacy Annual Meeting, Boston, MA, July 2009.
5. **Beck DE**, Evans RL, Stadler H. *Implementation of a pharmacy school continuous quality improvement program: Phases I and II*, Contributed; American Association of Colleges of Pharmacy Annual Meeting, Boston, MA, July 1999.
6. **Beck DE** and other members of Outcomes Assessment Committee. *Implementation of a pharmacy school continuous quality improvement program: Phase III: Curricula Outcomes Assessment Using Milestone Exams*, Contributed; American Association of Colleges of Pharmacy Annual Meeting, Boston, MA, July 1999.

7. **Beck, DE**, Smith ST, Job M, Grimsley S, Sims P, Grussing P. *Development and validation of a computer-based test for measuring pharmacokinetic dosing abilities: A consortium approach*. Contributed; Annual; American Association of Colleges of Pharmacy; Indianapolis, IN, July 1997.
8. **Beck DE**, Evans RL, Anderson-Harper H, Smith R. *Curriculum Work Group. The Auburn Pharm.D. Curriculum. Year 1 Implementation, and Vision*. Contributed; Annual; American Association of Colleges of Pharmacy; Indianapolis, IN, July 1997.
9. **Beck DE***, Betageri G, Pearson RE, Smith TS, Rodman D. Poster; *“Conceptual framework for an entry-level Pharm.D. Degree program: Evolution of a concept-based curricular model;”* Contributed; Annual; American Association of Colleges of Pharmacy; Reno, NV, July 1996.
10. Robinson ET*, **Beck DE**, Anderson-Harper HM, Kochan FK. Poster; *“The use of faculty developed scenarios in the curriculum design process;”* Contributed; Annual; American Association of Colleges of Pharmacy; Reno, NV, July 1996.
11. **Faculty Mentor Group. (Beck DE*)**. Poster; *“The Auburn University School of Pharmacy orientation program: An Authentic experience;”* Contributed; Annual; American Association of Colleges of Pharmacy; Reno, NV, July 1996.
12. **Faculty Mentor Group. (Beck DE*)**. Poster, *“Reflections on a pilot faculty-peer mentor team experience;”* Contributed; Annual; American Association of Colleges of Pharmacy; Reno, NV **Position**, July 1996.
13. **Beck DE**, Aceves-Blumenthal C, Carson R, Hotchkiss G, Jirak J, Noguchi J, O'Sullivan T, Skelton D. *Vitality of Volunteer Practitioner-Instructors: Phase II Results*. Contributed; Annual Meeting; American Association of Colleges of Pharmacy, Albuquerque, NM, July 1994.
14. Thomas SG, **Beck DE**, Janer AL. *Effect of a Continuous Community Pharmacy Experience on Student Attitudes, Motivation and Communication Skills (Final Results)*. Contributed; Annual Meeting; American Association of Colleges of Pharmacy, Albuquerque, NM, July 1994.
15. **Beck DE**, Rodman D. *Pharmacokinetics Involves Lifelong Learning: The PILL Program*. Invited; Annual Meeting; American Association of Colleges of Pharmacy, Albuquerque, NM, July 1994.
16. Thomas SG, **Beck DE**, Janer AL. *Effect of a Continuous Community Pharmacy Experience on Student Attitudes, Motivation and Communication Skills*. Contributed; Annual Meeting; American Association of Colleges of Pharmacy, San Diego, CA, July 1993.
17. **Beck DE**, Abbott GA. Pharm.D. *Student Contributions To Patient Care: A Comparison Of Program Faculty, Outside Faculty and Practitioner Ratings*. Contributed; Annual Meeting; American Association of Colleges of Pharmacy, Washington, DC, July 1992.
18. **Beck DE**, Abbott GA, Thomas SG, Janer AL. *Measuring The Evolution Of Professionalism In Pharmacy Students*. Contributed; Annual Meeting; American Association of Colleges of Pharmacy, Washington, DC, July 1992.
19. Abbott GA, **Beck DE**. *Measuring the Development of Professionalism in Pharmacy Students. Factor Analysis Results*. Paper Presented by Co-author at the Mid-South Educational Research Association Meeting, Knoxville, TN, November 1992.
20. Krinsky D, Trent D, **Beck DE**. *Financial Impact of Clinical Interventions By A Pharmacokinetic Dosing Service*. Poster Presented at the American College Of Clinical Pharmacy 1992 Winter Practice And Research Forum, Phoenix, AZ, February 1992.
21. Figg D, Krinsky D, Julian B, Rutsky E, **Beck DE**. *The efficacy of polysulfone dialyzers on vancomycin clearance and the significance of rebound vancomycin levels post-dialysis*. Poster presented at the American College of Clinical Pharmacy 1992 Winter Practice and Research Forum, Phoenix, AZ, February 1992.
22. Boh LE, **Beck DE**, Aceves-Blumenthal C, Schneider F, Spunt A. *An Experiential Education Evaluation System*. Contributed; Annual Meeting; American Association of Colleges of Pharmacy, Boston, MA, July 1991.

23. **Beck DE**, McMillan D. *Activity Analysis of Clerkship Instruction. Contributed*; Annual Meeting; American Association of Colleges of Pharmacy, Salt Lake City, UT, July 1990.
24. **Beck DE**, Clayton GA. *Validity and Reliability of an Instrument That Evaluates Pharm.D. Student Performance During A Patient Presentation. Contributed*; Annual Meeting; American Association of Colleges of Pharmacy, Portland, OR, July 1989.
25. **Beck DE**, Farringer JA. *Is Continuous Aminoglycoside Monitoring Necessary?* Contributed; Mid-Year Meeting; American Society of Hospital Pharmacists, Atlanta, GA, December 1987.
26. **Beck DE**, Farringer JA, Ravis WR, Robinson A. *Prediction of Free Phenytoin Serum Concentrations in the Clinical Setting. Contributed*; Annual Meeting; American College of Clinical Pharmacy, Orlando, FL, July 1985.
27. **Beck DE**, Ravis WR. *Prediction of Phenobarbital Levels in Pediatric Patients. Contributed*; Annual Meeting; American College of Clinical Pharmacy, Orlando, FL, July 1985.
28. Farringer JA, **Beck DE**. *Evaluation of the Sarrubi-Hull Nomogram in Aminoglycoside Dosing*, Poster presented at the Alabama Society of Hospital Pharmacists Meeting. Birmingham, AL, November 1983.
29. Miller RW, **Beck DE**, McMillan DM, Farringer JA. *Comparison of the 1976 and 1978 Versions of the Hull and Sarrubi Nomograms in 96 General Medicine Patients. Contributed*; Annual Meeting; American College of Clinical Pharmacy, San Francisco, CA, July 1984.
30. **Beck DE**, Berger B, Campagna KD. *Assessing the Teaching Needs of Adjunct/Part-time Faculty. Contributed*; Annual Meeting; American Association of Colleges of Pharmacy Meeting, Washington, D.C., July 1983.
31. **Beck DE**. *Clinical Application of Pharmacokinetics by Doctor of Pharmacy Candidates*, Poster presentation at the Alabama Society of Hospital Pharmacists Meeting, Birmingham, AL, November 1982.
32. **Beck DE**. *Competency - Based Instruction of Doctor of Pharmacy Candidates*, Poster presented at the Alabama Society of Hospital Pharmacists Meeting, Birmingham, AL, November 1982.
33. **Beck DE**. *Pediatric Emergency Drug Dosages in the Ambulatory Setting*, Contributed; Mid-year Meeting; American Society of Hospital Pharmacists, New Orleans, LA, December 1981.
34. **Beck DE**, Fennell RS. *Compliance of Pediatric Renal Transplant Patients*, Contributed; Annual Meeting; Southeastern Dialysis and Transplantation Association, New Orleans, LA, August 1979.

Leader for Faculty Retreats and Workshops at Colleges/Schools of Pharmacy

1. Texas Tech University – School of Pharmacy. Led a 2-day faculty retreat on the topic of Achieving Excellence in Individual Faculty courses, Amarillo, TX, June 2005.
2. University of Southern California – College of Pharmacy. Honored Speaker at the College “Scholar Series”, Presentation: 2020: A Vision for Pharmacy Education, Los Angeles, April 2005.
3. Wayne State University – School of Pharmacy. Led a ½ day workshop for faculty on Scholarship of Teaching and Outcomes Assessment; Keynote Speaker at School of Pharmacy Advisory Board Meeting. Detroit, Michigan, April 2005.
4. Hampton University – School of Pharmacy. Led a day-long workshop on Experiential learning and spent one-day serving as a consultant to the Director of Experiential Learning. April 2004.
5. Anderson-Harper, H., **Beck DE**, Brandt, B., Chase, P. (**Workshop Leaders**), Primer in Pharmaceutical Education – A 6-hour workshop for Residents and New Faculty, conducted at Butler University, Indianapolis, Indiana, August 2003.
6. Videoconference on Experiential Learning conducted with Virginia Commonwealth University – College of Pharmacy. Provided an overview of how the Office of Experiential Learning is organized at

- Harrison School of Pharmacy and how we are conducting experiential learning programs. March 2003.
7. University of Wyoming – School of Pharmacy. Assisted in identifying how to enhance the School’s experiential learning program, interpreting outcomes data, and enhancing the School’s Outcomes Assessment Plan. Jan 2003 – May 2003. A faculty workshop and consultations with various School committees were held March 12-14, 2003.
 8. Butler University – College of Pharmacy and Health Sciences. Assisted in planning a Preceptor’s Conference and conducted a workshop on Issues in Experiential Teaching and Learning. Also facilitated an afternoon discussion with faculty about assessment. Indianapolis, IN, January 21-22, 2003.
 9. University of Connecticut College of Pharmacy - Assisted in development of a Faculty Retreat on curriculum development during November and December 2002. Storrs, CT, Retreat conducted January 10, 2003.
 10. Anderson-Harper, H., **Beck DE**, Brandt, B., Chase, P. (**Workshop Leaders**), Primer in Pharmaceutical Education – A 6-hour workshop for Residents and New Faculty, conducted at Butler University, Indianapolis, Indiana, August 2002.
 11. Kuwait University Faculty of Pharmacy Faculty Workshop, 1.5 hour workshop on Active Learning, Kuwait City, Kuwait, April 2002.
 12. Kuwait University Faculty of Pharmacy Faculty Workshop, 1.5 hour workshop on Assessment – Writing Multiple Choice Questions, Kuwait City, Kuwait, April 2002.
 13. Kuwait University Faculty of Pharmacy Preceptor Workshop, 1.5 hour workshop on Effective Precepting Techniques, Kuwait City, Kuwait, April 2002.
 14. Anderson-Harper, H., **Beck DE**, Brandt, B., Chase, P. (**Workshop Leaders**), Primer in Pharmaceutical Education – A 6-hour workshop for New Faculty, conducted at Butler University, Indianapolis, Indiana. Responsible for conceptualizing the workshop, serving as a workshop leader, and conducting a special session on precepting techniques, August 2001.
 15. Western University School of Pharmacy Faculty Retreat, 2-day workshop on Competency-Based and Outcome-Based Education, June 2001.
 16. University of Mississippi - Preceptor Faculty Retreat, 5 hour workshop on Assessment, Mississippi, March 2001.
 17. Chicago College of Pharmacy - Faculty Retreat, 6 hour workshop on Balancing Content and Learning Processes in a Pharmacy Curriculum, Chicago, IL, June 2000.
 18. Kuwait University Faculty of Pharmacy Faculty Lecture, 1.5 hour Lecture and Discussion on: Outcomes-Based Curricula in Pharmacy Education, Kuwait City, Kuwait, March 2000.
 19. University of Oklahoma College of Pharmacy - Faculty, Curricular Design, three-1.5 hour discussions with departmental faculty to review their curricular approaches and identify new curricular strategies, March 2000.
 20. University of Illinois – Chicago, Illinois, Participated in the School of Pharmacy Faculty Enrichment Retreat and conducted 3 hrs of Workshops on Classroom Assessment and Evaluation, May 1999.
 21. South Dakota State University, SD -Conducted a Faculty Development Workshop on How to Implement Program Assessment and Evaluation, also reviewed School progress with program administrators, April 1999.
 22. Mercer University School of Pharmacy, Department of Pharmacy Practice, Atlanta, GA, Conducted a 1-day faculty development workshop on Assessment in Advanced Practice Experiences; also met with program administrators to review School progress in experiential education, February 1999.
 23. Long Island University, Brooklyn, NY, Conducted a 1-day workshop on Facilitating Small Groups and Recitation Groups, January 1999.

24. Long Island University, Brooklyn, NY, Provided a seminar on Preparing for and Facilitating Small Groups and Recitation Groups, January 1999.
25. University of Cincinnati, Cincinnati, OH, Conducted a 1-day workshop on Outcomes-based Assessment, December 1998.
26. University of Nebraska, Omaha, NE, Conducted a 1-day workshop and served as a half-day consultant on Outcomes Assessment, September 1998.
27. University of Florida, Crystal River, FL, Conducted a 1.5 day retreat on Outcomes Assessment, August 1998.
28. Idaho State University; Pocatello, Idaho, Conducted a 1-day workshop on Evaluating Students in the Experiential Setting - Guided their faculty in revising how they are evaluating students; May 8, 1997.
29. Xavier University; New Orleans, LA, Conducted a 1-day workshop on Curricular Revision and Introductory Practice Experiences; June 1, 1997.
30. AFPE Experiential Program Coordinators; Invited presentation on Evaluating Student Performance in Experiential Rotations and Facilitated the first meeting of all Pharmacy Experiential Program Coordinators in Canada; May 27, 1996.
31. Campbell University, School of Pharmacy, Buies Creek, NC; Conducted a 6-hour workshop for the Pharmacy Practice faculty on Assessing Clinical Performance; March 19, 1996.
32. University of Kentucky, School of Pharmacy, Lexington, KY; Conducted a 1.5-hour seminar for the College of Pharmacy faculty on Evaluating Student Performance in Practice Experiences; and Conducted 2 1-hour Seminars on Evaluating Student Performance in Practice Experiences during the University of Kentucky Preceptor's Conference, December 1995.
33. University of Florida, College of Pharmacy, Gainesville, FL; Conducted a 1.5-hour seminar for the College of Pharmacy Faculty on Early Practice Experiences, Gainesville, FL, April 1995.
34. University of Mississippi Preceptors' Conference, Jackson, MS; Conducted a 1.5 hour seminar on Experiential Education - State of the Art. Experiential Education - State of the Art, August 1990.
35. Beck DE, O'Sullivan PS. Co-directed The Experiential Evaluation Workshop at Southeastern College of the Health Sciences, Miami, FL, September 1991;
36. Beck DE, O'Sullivan PS. Co-directed The Experiential Evaluation Workshop at State University of New York at Buffalo, NY, July 1991.
37. Beck DE, Boh L, O'Sullivan PS. Co-directed The Experiential Evaluation Workshop at University of Wisconsin, Madison, WI, March 1991.

Invited Student Workshops and Presentations

1. Communication Skills for Pharmacists, 2 hour class for P2 pharmacy students at Kuwait University, College of Pharmacy, Kuwait City, Kuwait, April 2000.
2. Seizure Disorders, 2 hour class for P3 pharmacy students at Kuwait University, College of Pharmacy, Kuwait City, Kuwait, April 2000.
3. Preparing for Advanced Practice Experiences, 1-hour Small Group Discussion, P2 and P3 pharmacy students, University of Oklahoma, Oklahoma City, OK, March 2000.

International Activities

UF WPPD Program – 2006/2007: Assisted in establishing relationships with pharmacy schools and/or pharmacy practitioners in the following countries:

- South Korea
- Saudi Arabia

- Costa Rica
- India
- Peru
- China (4 visits)

UF WPPD Program- 2005: Assisted in establishing relationships with pharmacy schools and/or pharmacy practitioners in the following countries:

- Seoul, Korea
- Valletta, Malta
- Bangkok, Thailand

External Reviewer/Accreditation - Kuwait University, Faculty of Pharmacy, Department of Pharmacy Practice, Conducted a 2-week review of pharmacy curriculum and Department of Pharmacy Practice. Activities in conducting the review included: Interviews with the Dean, Department of Pharmacy Practice Chair, all individual pharmacy practice faculty members, site visits and meetings with preceptors, meetings with 4th and 5th year students, observing student presentations, observing laboratory sessions, reviewing student reports and exam results, and reviewing course syllabi and exams written by the faculty. Product: Prepared a 20 page report outlining the findings and recommendations for curricular improvement, April – May 2002. *(Continued to maintain email contact/visits in US with the Clinical Practice faculty and mentored them in advancing practice in Kuwait 2002-2004).*

Stadler, H. Evans L., (presenters) **Beck D.**, Krueger J. et al., Innovative strategies for community-based learning at Auburn University. Presented at the 26th International Conference: Learner-Centered Universities for the New Millennium, Johannesburg, South Africa, July 2001

Kuwait University, Faculty of Pharmacy, Provided a 2-day review of our experiential programs and discussed implementation of rotations in their new experiential program with the Department Head, Dr. Arthur Winfield, Meetings Held in Auburn, Columbus and Montgomery, May 2001.

Kobe Gakuin University, Yamaoka Yumiko et al., Provided a presentation about Pharmaceutical Education Trends in the US and the Auburn School of Pharmacy curriculum. Meeting held in Auburn, AL, October, 2000.

Visiting Professor, **Kuwait University,** Faculty of Pharmacy, Taught classes and provided faculty development during a 1 week period, Kuwait City, Kuwait, April 2000.

AFPE Experiential Program Coordinators – Visited with Pharmacy Experiential Program Coordinators from all pharmacy schools in **Canada**; May 1996.

Consultant Activities

Program Consultant and Team Leader. Kingdom of Saudi Arabia, Ministry of Higher Education, Princess Noura bint Abdul Rahman University. Responsible for designing the program, organizational structure, and curriculum for a new College of Pharmacy. Consultation conducted through the World Education Group, LLC. December 2009 – May 2011.

Curriculum Consultant. The New Mexico Commission on Higher Education, May-June 2002 and June 2003.

Grant Review Panel Member

New Investigators Research Award Review Panel Member: August 2001. Responsibility: Review and Rank Research Proposals for Funding. American Association of Colleges of Pharmacy.

New Investigators Research Award Review Panel Chair:

Responsibility: Review and Rank Research Proposals for Funding. American Association of Colleges of Pharmacy. I served as Chair the following years:

- September 2000
- August 1999
- August 1998

New Investigators Research Award Review Panel Member: August 1997. Responsibility: Review and Rank Research Proposals for Funding. American Association of Colleges of Pharmacy.

Award Panel Membership

External Reviewer for Selection of the Society of Teaching Scholars at the University of Minnesota. Health Sciences Center. May 2008.

GAPS Award Review Panel Member: February 1994. Responsibility: Review GAPS grant applications submitted in January 1994. American Association of Colleges of Pharmacy.

Lyman Award Committee Member: 1991 and 1992. Responsibility: Review articles, published in the *American Journal of Pharmaceutical Education*, and recommend one for the Lyman Award.

Abstract Panel Member

AACP Abstract Review Panel Member, 1999 – 2001; On oversight committee 2001 – 2003.

ACCP Reviewer, Abstracts for Presentation at Annual Meeting - 1985

ASHP Reviewer, Papers Submitted for Presentation at the National Mid-Year Meetings (1981 and 1982).

Journal Reviewer

American Journal of Pharmaceutical Education
 American Journal of Health-Systems Pharmacists
 Journal of Pharmacy Teaching
 Clinical Pharmacy (1990-1994)
 The Annals of Pharmacotherapy
 Journal of Pharmacy Technology

Funded Grants

Inge L, Beck DE, Nowak M. Implementation of Electronic Medical Record Software for Educational use by HSC students, residents and faculty. **\$96,000**; Funded by the University of Florida – Instructional Technology, Elias Eldayrie, VP & CIO. May 2, 2011 – June 2012.

Ried LD, **Beck D**, Sahm L, Moss S, Archer J. Harmonizing pharmacy clinical competency for students and professionals. United States Department of Education, Fund for the Improvement of Post-Secondary Education, ATLANTIS Grant Program, Sept 1, 2010 to August 30, 2012, (PI: LD Ried, 84.116J P116J100012), \$69,866.

Beck, DE, Anderson-Harper, H, Brandt, B, Chase, P. Proposal for a Primer Workshop at the AACP Annual Meeting. Funded by AACP for \$3375 plus expenses for offering the workshop to 100 participants. February 2002.

Monaghan M. (Principal Investigator). Using Performance-Based Assessments to evaluate curricular effectiveness in Pharmaceutical Education. FIPSE Grant **P116B000484**. * **This grant is based at Creighton University. Coinvestigator in the project. July 2000** See: <http://www.ed.gov/offices/OPE/FIPSE/Comp/2000/2000abstract1.html#P116B000484>

Kwolek D. (Principal Investigator). Multidisciplinary models for women's health education. FIPSE Grant 2000 **P116B000551**. ***This grant is based at University of Kentucky, College of Medicine. Project Participant. July 2000** See: <http://www.ed.gov/offices/OPE/FIPSE/Comp/2000/2000abstract3.html#P116B000551>

School of Pharmacy (principal). Enhancing Community Pharmacy Practice, February 2000. (Beck, DE: Responsible for component related to enhancing mentoring during practice experiences). NACDS **Funded**, \$250,000 to the School of Pharmacy.

Krueger JL (principal), **Beck DE**, Felkey BG, Campagna KD. Assessment of the Pharmacy Practice Experience Program, Auburn University-Service Learning Grant, \$2000, December 1999.

Beck, DE, Anderson Harper, H., Brandt, B., Chase, P., "Primer in Pharmaceutical Education Workshop," RFP Submitted to the American Association of Colleges of Pharmacy, January 1999, Request \$6,250, Accepted February 1999 *Funded through AACP.

Evans, RL, **Beck, DE**, Krueger, J., Felkey, B.G., LEEP Into the Community: Documentation of Student Activities Using an Integrated Pharmaceutical Care Patient Chart and Practice Portfolio; Submitted to CVS Drug Co., Requested \$81,500, Funded \$10,000, December 1998.

Taylor, C., Byrd, D., Buring, S., **Beck, D**. Using Poster Presentations to Instill Lifelong Learning, Auburn University - Breedon Grant; Funded July 1998.

Beck DE, Rodman D, Thomas SG, Johns T, Smith T, Anderson-Harper H; AACP -SmithKline Beecham, 1995 Grant; *Peer Review to Promote Integrated Experiential Learning: Curricular Outcome Related to Pharmacokinetics*. (\$31,652.00) July 1, 1995

Beck DE, Reinke CM, Anderson-Harper H; Auburn University Teaching Grant-in-Aid Program and the School of Pharmacy Grant-in-Aid Program; *Computer-assisted Instruction: Case Simulation Modules for Doctor of Pharmacy Students*. (Teaching Grant-in-Aid \$1000.00 and School of Pharmacy Grant-in Aid \$3,450.00) October 1994

Beck DE, Aceves-Blumenthal C, Kawahara N, Carson R, Culley J, Dawson K, Hotchkiss G, Jirak J, Kawahara N, Morris N, Noguchi J. AACP PEP-SIG Task Force On Preceptor Needs; AACP - Amgen Grant; A

Mechanism For Pharmacy Schools To Optimize Preceptor Recognition And Identify How Student Instruction Benefits The Preceptor. (\$6,000.00) October 1991 (Study conducted at 9 pharmacy schools)

Campagna KD, **Beck DE**, Janer AL, Tanja JJ, Campbell WH; AACP - SmithKline Beckman Foundation; *Pharmaceutical Care Clerkship In Community Pharmacy.* (\$29,733.00) June 1991.

Reinke CM, Albrant D, **Beck DE**, Campagna K, Janer A; AU Teaching Grant, *Implementation and Evaluation of a Pharmacy Clinical Clerkship Test Item Bank on an Electronic Board* July 1990.

Thomas SG, **Beck DE**, Albrant D, Janer AL, Thomasson CL; AACP - SmithKline Beckman Foundation; *Effect Of A Continuous Community Pharmacy Experience On Student Attitudes, Motivation And Communication Skills.* (\$25,353.00) June 1990

Boh LE, **Beck DE**, Schneider F, Aceves-Blumenthal C, Spunt A; AACP - Smith Kline Beckman Foundation, *"An Experiential Education Evaluation System,"* (\$41,800.00) Responsible For A Sub-contract Of \$11,800.00 June 1989

Beck DE, Abbott GA; The Upjohn Company, *"A Valid, Reliable and Cost-Effective Mechanism for Evaluating Patient Presentations,"* (\$1,720.00) April 1988

Beck DE, McMillan DM; The Upjohn Company, *"Cost-Effect of Pharm.D. Student Instruction,"* (\$2,000.00) December 1987

Markiewicz M, **Beck DE**, Morgan W; ASHP Research Foundation, *"Seizure Control in Brain-injured Patients,"* (\$5,000) May 1986

Beck DE, Ravis WR, Farringer J; A.U. Grant-in-Aid #84-78, *"Prediction of Free Phenytoin Serum Concentrations in the Clinical Setting,"* (\$2,200.00) June 1984

Markiewicz M. **Beck DE**. Grant to support travel for a poster presentation *"Prediction of Patient Aminoglycoside Dose Requirements,"* ACCP Meeting, San Francisco, Dista. Products Co. (\$1,000.00) June 1984

Beck DE, Snead OC; A.U. Grant-in-Aid #81-160, *"Application of Phenytoin Pharmacokinetics in Pediatric Patients,"* (\$1,335.00) January 1981

Other Research Activities

Coordinator for Clinical Multiphase Research, Inc. 1992. Educated physicians involved in a post-market study of ProSomMR that was conducted in the Atlanta, GA area.

Coordinator for Clinical Multiphase Research, Inc. 1989. . Educated physicians involved in a post-market study of Maxide-25R that was conducted in the Birmingham, AL area.

Interprofessional Education Activities

University of Florida - Office of Vice-President for Health Affairs

- Co-leader - Patient Safety Learning Community. January 2008 – present.

University of Florida - College of Medicine - Medical Education Fellows Program – Faculty

- Mentored medical education fellows in preparing educational research proposals. Spring 2009 – present.
- Provided the following lectures:
 - Overview of Educational Research. May 2009.
 - Planning Your Research Design. May 2009.

University of Florida - Leader of the Faculty Development Workgroup at the UF Health Science Center. December 2008 – 2010.

Teaching Philosophy

I believe students should be active participants in learning and that the instructor's role is to serve as a facilitator of this process. To foster this philosophy, I believe I have two major roles: 1) provide a pathway for learning, and 2) nurture students' lifelong learning abilities such as self-directed learning and reflective thinking. On reflection, I believe my desire to provide a pathway for learning stems from the positive experiences I had in high school where I completed courses consisting of learning modules that were of independent-study format. My realization for the value of using reflective thinking and its relation to lifelong learning evolved from my own personal experience in using these skills to enhance the accuracy of my pharmacokinetics dosing recommendations for patients in my clinical practice.

Pathway for Learning. I have found I can provide a pathway for student learning by developing learning modules that allow students to assess their prior learning, complete remedial learning if needed, and then, learn by solving patient cases or scenarios that I prepare based on my clinical experiences. Students are provided the cases and answer-keys for self-assessment. Assessment therefore, is an integral part of how my students learn. Feedback from students has reinforced that this increases their level of learning.

Patient cases also serve as the focal point for learning in my classroom. Learning from these cases involves both process and content. My emphasis on teaching process evolved from my experiences in teaching an Applied Pharmacokinetics course. As I observed students early in my career, I recognized they frequently calculated a dosage regimen without assessing the validity of clinical data used in these calculations. This observation led me to teach students the “5-Step Pharmacokinetic Workup” as an advance organizer. This technique requires the pharmacist to use a structured problem solving process when designing a dosage regimen. Since Fall 2003, I have used this approach with WPPD students and it has been extremely well received by students – I was taken back by the number of students who took time to send thank-you notes indicating for the first time they understood how to apply the concepts and that for the first time, they were “not just plugging in numbers.” One student noted that pharmacokinetics was his least favorite topic in pharmacy school, but the course has “empowered” him to perform pharmacokinetics in his daily practice.

My philosophy for experiential learning is that student learning should be driven by encountering patient needs. This requires use of knowledge, skills, and most appropriately professionalism. When encountering a patient, I expect students to demonstrate caring, identify patient medication-related

problems, identifying their personal learning needs to solve these problems, and then retrieving primary literature to solve problems and/or expand one's knowledge base.

Nurture Lifelong Learning. I value lifelong learning because my clinical and scholarly accomplishments are the result of my personal use of reflective thinking and self-directed learning activities. For example, in my pharmacokinetic consultation practice, I learned to increase the accuracy of my dosing recommendations by using reflective thinking skills. This experience led me to develop the Pharmacokinetics Involves Lifelong Learning (PILL) Program which promotes students' use of reflective thinking skills for increasing the accuracy of their pharmacokinetic dosing recommendations. In reflection, I feel this has been my greatest achievement in teaching since this concept evolved from a better understanding of myself as a learner. These insights have also enabled me to establish a motto, **"We can be better tomorrow than we are today."** This was the theme of my AACP Council of Faculties – Chair Address, my theme for experiential learning within the Auburn Office of Experiential Learning, and was emphasized again as President of AACP in July 2005.

Curricular Development Activities

University of Florida

- Led faculty development activities to enhance quality of facilitation by WPPD faculty. 2008-9.
- Initiated development of "The Final Challenge" in the Foundations in Pharmaceutical Care course to enhance the learning community and quality of online discussions.
- Implemented revisions to the Foundations in Pharmaceutical Care course to enhance student success/retention. 2007-8.
- Implemented mechanisms to assure quality assurance of experiential learning requirements in the WPPD program. 2006-2007.
- Revised the WPPD Experiential Curriculum, May 2005 and January 2007.
- Facilitated implementation of a refined Orientation Program for WPPD students that includes assessment of practice skills, October 2004.
- Assisted in revision of the Pharmaceutical Care project for WPPD students, April-May 2004.
- Refined the Foundations in Pharmaceutical Care course, August 2004.

Auburn University

- Served as Senior Faculty Advisor, Office of Teaching, Learning, and Assessment, Harrison School of Pharmacy. 2001-2003. Responsibilities:
 - Provided expert guidance to the Office of Teaching Learning & Assessment and the School of Pharmacy Curriculum Committee in curriculum development and assessment.
 - Guided design, administration, and interpretation of the Annual Milestone Assessments that are administered to all pharmacy students each year.
 - Facilitated full implementation of a Comprehensive Assessment Plan for the Harrison School of Pharmacy.
 - Facilitated interpretation of all outcomes assessment data, establishing options for improving student learning, and guiding the faculty in selecting the most appropriate interventions for improving student learning.
 - Developed the 2002 Outcomes Assessment Report. 2001-2002. General Responsibilities:
 - Provided an overview to the Harrison School of Pharmacy faculty and facilitated a session that enabled faculty to interpret these findings at the Annual Faculty

Retreat in May 2002. (Data included Milestone Assessment Results, Graduate Perceptions on Program Quality, and “drilldown” analyses of problem areas.)

- Initiated Development of a Glossary of Curriculum Terms: Developed a Guiding Principles statement, Prepared briefs on the following terms: Assessment, assessment methods, evaluation, evidence-based, ability, ability-based outcome, outcomes-based education, outcomes, and outcomes-based assessment.
 - Led development of the Milestone Assessment (OSCE) test blueprint, development of case scenarios, actor training, and examination set up. 2000 – 2002.
 - Provided key faculty and administrators with guidance in planning, implementing, and summarizing the results of an outcomes assessment of the School’s Introductory Pharmacy Practice Program (PPE Program) in 2001.
 - Developed a website for the Auburn Outcomes Assessment Initiative to facilitate faculty understanding and involvement in outcomes assessment in 2001.
 - Established procedures for interpreting the data and reporting results of the Milestone Assessments, including development of action plans to improve student learning in the Auburn Doctor of Pharmacy program in 2000.
- Curriculum Development Activities Completed prior to Establishment of a Formal Position/Appointment as Senior Faculty Advisor Between 1997 and 2000. Responsibilities:
 - Directed implementation of the Annual Milestone Exam administered to the Doctor of Pharmacy students 1997 - 2000.
 - Provided guidance in implementing an outcomes-based assessment program for the Harrison School of Pharmacy 1997 – 2000.
- Curriculum Development Activities While Interim Associate Dean:
 - Directed implementation of the new Auburn Entry-level Curriculum. June 1995 - September 1997. This involved assisting faculty in development of course syllabi, the early practice program called "Pharmacy Practice Experience," conduction of faculty course review sessions, preparation of documentation for final approval by the University Curriculum Committee, preparation for instruction, and scheduling of the new curriculum.
- Developed/ revised Course Syllabi for the following courses during 1991-1992
 - PC 458 - Institutional Externship (8 Credit Hours)
 - PC 459 - Community Externship (8 Credit Hours)
 - PC 460 - Required Clerkship (8 Credit Hours)
 - PC 461 - Elective Clerkship (8 Credit Hours)
- Developed course objectives and lecture outlines for the following courses in the revised Doctor of Pharmacy Program (1989-1990):
 - PC 521 - Applied Pharmacokinetics (4 Credit Hours)
 - Developed Learning Modules For The Following Sections: Creatinine Clearance and Antibiotic Dosing, Aminoglycosides, Theophylline, Hepatic Function, Phenytoin, Other Anticonvulsants, Psychiatric Drugs
 - PC 510 - Advanced Therapeutics (6 Credit Hours)
 - Developed Learning Modules For The Following Sections: Seizure Disorders, Parkinson's Disease, Cerebral Vascular Disease

PC 502 - Research Methods I (Biostatistics) (3 Credit Hours)
 Developed Learning Modules For All Course Sections
 PC 541 - Psychosocial Issues in Clinical Practice (1 Credit Hour)
 PC 530 - Advanced Patient Monitoring (3 Credit Hours)
 PC 551 - Pharmacokinetics Clerkship (9 Credit Hours)
 PC 568 - Elective Clerkship (Drug Use Evaluations) (9 Credit Hours)

- Assisted in the development of the following Doctor of Pharmacy Program courses:
 - PC 501 - Drug Information Retrieval and Analysis (4 Credit Hours)
 - PC 503 - Research Methods II (3 Credit Hours)

- Developed curricula and courses for the Doctor of Pharmacy Program implemented in 1981:
 - PC 461 - Introduction to the Clinical Environment (2 Credit Hours)
 - PC 462 - Applied Pharmacokinetics (3 Credit Hours)
 - PC 463 - Advanced Therapeutics (6 Credit Hours)
 - PC 464 - Drug Information Retrieval and Analysis (3 Credit Hours)
 - PC 489 - Clinical Pharmacokinetics Clerkship (9 Credit Hours)
 - PC 484 - Ambulatory Clerkship (9 Credit Hours)
 - PC 483 - Internal Medicine Clerkship (9 Credit Hours)
 - PC 488 - Medicine Specialty Clerkship (9 Credit Hours)
 - PC 485 - Pediatrics Clerkship (9 Credit Hours)
 - PC 492 - Transplant Clerkship (9 Credit Hours)

Courses Taught

University of Florida

Course Coordinator - Foundations in Pharmaceutical Care – PHA 5629. 6 Semester Hours

- Developed the course, coordinate delivery of the course and teach approximately 30% of the course. Fall 2004, Spring 2005, Summer 2005, Fall 2005, Spring 2006, Summer 2006, Fall 2006, Spring 2007, Summer 2007, Fall 2007, Spring 2008, and Summer 2008, Fall 2008, Spring 2009, Summer 2009, Fall 2009, Spring 2010, Summer 2010, Fall 2010, Spring 2011, Summer 2011, Fall 2011, Spring 2012, Summer 2012, Fall 2012, Spring 2012, Summer 2012, Fall 2012, Spring 2013, Summer 2013, Fall 2013, Spring 2014, Summer 2014 (Approximately 80 – 175 students per class)
 - **Pharmacokinetics Module in PHA 5629**(Developed a module that includes 5 hours of lectures, 2 workbook self-assessment modules, and use of eLearning for student dialogue) Module taught in each semester listed in the above course.

Instructor – Patient Assessment for Pharmacists – PHA 5933. 1 Semester Hour

- Established partnership with Shadow Health, Inc. and used their virtual patient learning management system as a learning tool. Summer 2013.

Course Coordinator – Seminar in Global Health - PHA 5009. 1 Semester Hour

- Developed course syllabus, provided 2 lectures, and facilitated other class sessions. Fall 2009 and Fall 2010

Course Coordinator – Practice Experience Institute/Clinical Practice Assessments – PHA 5666. 3 Semester Hours.

- Offer 3 Institutes per semester that are 4.5 days in length. 35 students per session. Responsible for budgeting, planning, instruction, leadership, and supervision of 6 faculty members involved in instruction during the Institute. Fall 2004 and every semester to present.

Neurology Pharmacokinetics Workshop – WPPD 5990 (Developed a module that includes a mini-lectures, a self-assessment module, case-students that are completed during a workshop, and use of BlackBoard® for student dialogue). Course taught Fall 2003.

Auburn University

Responsible for all 4th year rotation courses between 1996 and 2004. (10 Courses taught by over 175 full and affiliate faculty) Responsible for assisting over 175 faculty members in teaching rotation courses as outlined in the University approved syllabi, using effective teaching methods and maintaining high quality experiences in the practice setting.

PYD 340, PYD 341, and PYD 342 (Pharmacy Practice Experience Program): Serve as Faculty Mentor to a Team of Pharmacy Students and Direct teaching in the Program. (1996- 2004)

Neurology and Psychiatry Pharmacotherapy Module – Interdisciplinary Module for P3 students that was 1 month in duration. Taught during Fall Quarter 1999

PC 521 (Applied Pharmacokinetics): Served as course coordinator and taught the following topics - Renal function and hepatic function, aminoglycoside pharmacokinetics, other antibiotics, theophylline, phenytoin, other anticonvulsants, pharmacokinetics in psychiatry, and assessing pharmacokinetic dosing outcomes. Taught annually from 1981 – 1998.

PC 510 (Applied Therapeutics): Taught the neurology section - Epilepsy and Parkinson's Disease. Taught annually from 1981 – 1998.

PC 446 (Therapeutics I): Taught Epilepsy and Parkinson's Disease. 1981 – 1998.

PC 458 (Institutional Externship): Directed students completing this rotation throughout Alabama, Western Georgia, and the Florida Panhandle. 1992 – 1998.

PC 459 (Community Externship): Directed students completing this rotation throughout Alabama, Western Georgia, and the Florida Panhandle. 1992 – 1998.

All other Experiential Rotations (B.S. and Pharm.D.): Directed overall experiential program. 1992 – 1998.

PC 458 and PC460 - Pharmaceutical Care Clerkship . Assisted in the development of a pilot clerkship that integrates the content of the institution externship and required clerkship (1993-1994).

PC 542 - Clinical Seminar (1 Cr. Hr.) Developed course syllabus in 1990; During Spring Quarter 1993, implemented the course, refined the course syllabus, and revised methods for evaluation of student performance

PC 461 - Introduction to the Clinical Environment (2 Credit Hours)

PC 462 - Applied Pharmacokinetics (3 Credit Hours)

- Coordinated the Course & Provided Lectures on the following topics: Creatinine Clearance and Antibiotic Dosing, Aminoglycosides, Theophylline, Hepatic Function, Phenytoin, Other Anticonvulsants, Psychiatric Drugs, Digoxin

PC 463 - Advanced Therapeutics (6 Credit Hours)

- Coordinated the Course & Provided Lectures for the following topics: Seizure Disorders, Antibiotics, Pneumonia, Urinary Tract Infections, Fungal Infections, Acute Renal Failure, Thyroid Disease, Fluid and Electrolytes, Hepatic Disease, Pediatrics

PC 464 - Drug Information Retrieval and Analysis (3 Credit Hours)

- Provided lecture series on biostatistics

Authored Teaching Resources

Developed the following Self-Assessment Modules for the Applied Pharmacokinetics Course (These modules were developed in Summer and Fall 1993):

- Self-Assessment Module on Aminoglycoside & Vancomycin Dosing
- Self-Assessment Module on Theophylline Dosing
- Self-Assessment Module on Phenytoin Dosing

Developed The Following Manuals and Updated Them Annually (1992 - 1997):

- Auburn University - Professional Experience Program Manual for B.S. Students
- Auburn University -Doctor of Pharmacy Program Clerkship Manual

The above manuals provide students with information about program policies and procedures, course syllabi, self-assessment modules, internship, and learning activities for each rotation.

Beck DE. PC 462 - Applied Pharmacokinetics Course Notes 1988 - Instructor-Authored**Courses Taught Outside the Pharmacy Discipline**

EDL 632 Series for Designing Instruction. Co-taught a three-hour session on Development of a Concept-Based Curriculum. Auburn University, College of Education, June 1995.

NUR 613 - Graduate Nursing Pharmacology Course (Teleconferenced with students at Auburn University and University of Alabama at Birmingham) Lectures: Pharmacokinetics (3 lecture hours), Seizure Disorders (1 lecture hour), Auburn University-University of Alabama in Birmingham, June 1995

Graduate Students Supervised

Committee Member – University of Florida - Ph.D. Student: Charles Douglas, 2008 – present.

Outreach – Continuing Education

1. *Medical Education – Journal Club Discussion Leader.* Topic: Preparing Leaders in the Health Professions. University of Florida, College of Medicine, Gainesville, FL, March 2008.

2. *Preceptor Workshop*. Topic: The Practice Setting Learning is Crying: Now What? Led planning and conduction of a 3 hour workshop for preceptors in the Tampa area, Tampa, FL, September 2007.
3. *Facilitator Faculty Development Workshop*. Led planning and conduction of 3 hour workshops for UF College of Pharmacy facilitators at distant campuses in St. Petersburg, Orlando, and Jacksonville, FL, August 2007.
4. *Facilitator Faculty Development Workshop*. Led planning and conduction of 3 hour workshops for UF College of Pharmacy facilitators at distant campuses in St. Petersburg, Orlando, and Jacksonville, FL, August, 2005.
5. *Facilitator Faculty Development Workshop*. Led planning and conduction of a 2-day workshop for UF College of Pharmacy facilitators, Gainesville, FL, August 2004.
6. *Preceptor Development Certification Program: Level 1*. Provided to New Faculty, Auburn University, Harrison School of Pharmacy, September 2002.
7. *Alabama Society of Health-System Pharmacist's Preceptor Workshop. Issues Encountered in Clinical Teaching Settings: Old and New.*, Birmingham, Alabama, November 2002.
8. *Preceptor Development Certification Program: Level 1*. Provided to Pharmacy Residents in the State of Alabama, Auburn University, Harrison School of Pharmacy, (A five-hour program) October 2002.
9. *Preceptor Development Certification Program: Level 1*. Provided to New Faculty, Auburn University, Harrison School of Pharmacy, (A five-hour program)September - October 2002.
10. *How to Be an Effective Preceptor*. (3 one-hour session provided to experiential faculty based in the Tuscaloosa region), DCH Medical Center, Tuscaloosa, AL., August 2002.
11. *Psychopharmacology for Social Workers* – Three-hour workshop provided to Masters-degree Social Work students, Florida International University – Broward County campus, July 2002.
12. *Alabama Society of Health-System Pharmacist's Leadership Workshop*: Conducted a 1.5 hour Workshop on Emotional Intelligence, Montgomery, Al, April 2002.
13. Auburn University, School of Pharmacy, *Preceptors' Seminar* Held in Tuscaloosa,Al. Conducted 3 1-hr sessions across 3 days. Responsibilities of this 3-hour workshop included: Obtaining Board Approval for a new approach, Served as a facilitator for the three sessions, and Prepared All Handout Resource Materials. May 2002
14. Auburn University, School of Pharmacy, Auburn, Al, Conducted a 2-hour Faculty Development Workshop on "*Scholarship*", November 2001.
15. Auburn University, School of Pharmacy, *Preceptors' Seminar*. Responsibilities of this 3-hour workshop included: Recommended topic and content, Served as a facilitator for the Key Seminar Leader. Participated as a Panel Member and Large Group Discussions. October 2001.
16. Auburn University, School of Pharmacy, *Preceptors' Seminar*. Responsibilities of this 3-hour workshop included: Planned the content and speakers for the seminar. Gave two presentations. October 2000.
17. Auburn University, School of Pharmacy, *Preceptors' Seminar*. Responsibilities of this 5-hour workshop included: Planned the content and speakers for the seminar. September 1999.
18. Auburn University, School of Pharmacy, *Preceptors' Seminar*. Responsibilities of this 5-hour workshop included: Planned the content and speakers for the seminar. Topic: Mentoring: An Investment in the Future. Served as a program speaker for 2 sessions: Topic: Mentoring Pre-Pharmacy and Pharmacy Students (1 Hr), The Alabama Pharmacy Practice Act (0.5 hr), Audience: Approximately 150 Community and Hospital Pharmacists. October 1995.
19. *Pharmaceutical Care Seminar*, Auburn University. Team taught this course to the members of the Alabama State Board of Pharmacy, September 1995.
20. Department of Clinical Pharmacy Practice, *Preceptors' Seminar*, Auburn University, School of Pharmacy, Planned and directed a 4-hour seminar which was held in June 1995. Topic: *How to*

Become an Effective Preceptor Served as a program speaker (1 Hr): Topic: *Evaluating Student Performance*

21. Auburn University, School of Pharmacy, Preceptors' Seminar Responsibilities of this 5-hour workshop included: Planned the content and speakers for the seminar. Topic: Teaching Effective Communication Skills. Served as a program speaker for 1 Hr session - Topic: *Providing Students/Interns Feedback about their Performance*, September 1994.
22. Department of Clinical Pharmacy Practice, Preceptors' Seminar, Auburn University, School of Pharmacy, Planned and directed this 5-hour seminar. Topic: *How to Become an Effective Preceptor* Served as a program speaker (2 Hr). Topics: *Evaluating Student Performance; The Alabama Pharmacy Practice Act*, May 25, 1994.
23. Department of Surgery and Internal Medicine Joint Conference: Presentation on *Pharmacokinetic Dosing*, Carraway Methodist Medical Center, Birmingham, AL. September 1993.
24. Auburn University, School of Pharmacy, Preceptors' Seminar. Responsibilities of this 5-hour workshop included: Planned the content and speakers for the seminar. Topic: *Pharmaceutical Care*, September 1993.
25. Served as a program speaker -Topic: *Pharmaceutical Care and its Implications for Experiential Education*
26. Developed resource materials for all workshops and led a workshop.
27. *Digoxin Pharmacokinetics Seminar*, Department of Pharmacy, Carraway Methodist Medical Center, Birmingham, AL, July 1993.
28. *Theophylline Pharmacokinetics Seminar*, Department of Pharmacy, Carraway Methodist Medical Center, Birmingham, AL, July 1993.
29. *Hepatic Elimination and Protein Binding Seminar*, Department of Pharmacy, Carraway Methodist Medical Center, Birmingham, AL, August 1993.
30. *Phenytoin Pharmacokinetics Seminar*, Department of Pharmacy, Carraway Methodist Medical Center, Birmingham, AL, August 1993.
31. *Patient Monitoring Seminar*, Department of Pharmacy, Carraway Methodist Medical Center, Birmingham, AL, March 1993.
32. *Evaluating Intern/Extern Performance*, Seminar presented at the Alabama Society of Hospital Pharmacists Preceptor Seminar, Birmingham, AL, March 1993.
33. *How to Effectively Teach Students in the Experiential Setting*, Seminar presented to the Mobile Pharmacists Association, Mobile, AL, September 1992.
34. Auburn University, School of Pharmacy, Preceptors' Seminar, Auburn, AL, September 1992. Responsibilities of this 5-hour workshop:
35. Planned the content and speakers for the seminar. Topic: *Evaluating Student Performance* Developed resource materials for a 1-hour workshop. Gained Funding for Program Faculty from Drug Corporations
36. Developed workshop resource materials and led a workshop.
37. Beck DE, O'Sullivan PS, *Evaluating Student Performance Workshop*. Three-hour Workshop conducted at DCH Medical Center, Tuscaloosa, AL, September 1992.
38. *Becoming a Better Preceptor Workshop*, Two-hour Workshop presented to selected pharmacists at DCH Medical Center, Tuscaloosa, AL, August 1992.
39. Alabama Pharmaceutical Association Board Review - Conducted The *Neurology Review for Board Candidates*, Samford University, Birmingham, AL, March 1993; Also Conducted This Review in February 1989, March 1990, March 1991 and March 1992.
40. *A Continuous Community Practice Experience For Baccalaureate Students*. Presented at the 1992 Preceptors Seminar - Samford University, Birmingham, AL, April 1992.

41. *Words of Wisdom For The Preceptor*. Conducted A Workshop at the Alabama Society of Hospital Pharmacists Preceptors' Conference, Birmingham, AL, March 1991.
42. *Interpreting the Medical Literature*, 3 1-hour seminars presented to the Department of Pharmacy, University of Alabama Hospitals, Birmingham, AL, November 1990, January 1991 and February 1991.
43. *Behavioral Objectives - The Art of One-on-One Instruction*. Presented at the Alabama Society of Hospital Pharmacist's Preceptors' Seminar, Birmingham, AL, March 1989.
44. *Introduction to Statistics*, 3 1-hour seminars presented to the Department of Pharmacy, University of Alabama Hospitals, Birmingham, AL, March and April 1987.
45. *Free Phenytoin Concentrations*, Presented to the Department of Pathology/Clinical Toxicology, University of Alabama Hospitals, Birmingham, AL, April 1987.
46. *Phenytoin Protein Binding*, Presented to the Department of Pharmacy, University of Alabama Hospitals, Birmingham, AL, December 1986.
47. *Management of Seizure Disorders*, Presented to the Department of Pharmacy, University of Alabama Hospitals, Birmingham, AL, November 1986.
48. Riley TN, Beck DE. Issues in Therapeutics - 1986, *Advances in Drug Therapy*, Continuing Education Videotape. (Auburn University) October 1986.
49. *Seminars on Seizure Disorders and Parkinson's Disease*- Advances in Neurology, Auburn University Continuing Education Program, Guntersville, AL, July 19-20 and Gulf Shores, AL, August 16-17, 1986.
50. Riley TN, Beck DE, *Advances in Drug Therapy*, Auburn University, Continuing Education Program, Gulf Shores, AL, August 1986.
51. *Evaluating Pharmacy Students in the Clinical Setting*, Auburn University Conference for Preceptors, Auburn, AL, April 1986.
52. Beck DE, Riley TN. Issues in Therapeutics - 1985 *Advances in Drug Therapy*, Continuing Education Videotape. (Auburn University) October 1985.
53. *Aminoglycoside Pharmacokinetics*-Continuing Education Program for Pharmacists, Auburn University, Gulf Shores, AL, August 1985.
54. *Application of Aminoglycoside Pharmacokinetics*, Continuing Education Program for Pharmacists - Auburn University, Cheaha, AL, November 1983.
55. *Drug and Nutrient Interactions*, UAB-Nursing Continuing Education Program, Birmingham, AL, July 1982.
56. *Assessing Competency in the Clinical Setting*, Alabama Society of Hospital Pharmacists Meeting, Birmingham, AL, June 1981.
57. *Drugs and Breast-Feeding*, presented at the joint Department of Obstetrics-Pediatric Conference, University of Alabama-School of Primary Medical Care, Huntsville, AL, October 1980.
58. *Pregnancy and Drug Therapy*, Presented to Huntsville Hospital, Huntsville, AL, Department of Pharmacy, November 1980.
59. *Drugs and the Neonate*, Presented to the Nursing Staff, Huntsville Hospital, Huntsville, AL, November 1980.
60. *Teratogenicity of Drugs*, Presented at the joint Department of Obstetrics-Pediatric Conference, University of Alabama-School of Primary Medical Care, Huntsville, AL, August 1980.
61. *Pediatric Emergency Drugs*, Presented to the Nursing Staff, Huntsville Hospital, Huntsville, AL, August 1980.
62. *Asthma and the Pediatric Patient*, Presented to the Nursing Staff, Huntsville Hospital, Huntsville, AL, July 1980.
63. *Poisoning - Treatment and Prevention*, Presented to the Pediatric Medical Students, University of Alabama, School of Primary Medical Care, Huntsville, AL, January, March and June 1980.
64. *Adverse Effects of Antibiotics*, Presented at Pediatric Chairman's Conference, University of Alabama, School of Primary Medical Care, Huntsville, AL, March 1980.

65. *Aminoglycoside Pharmacokinetics*, Presented to Huntsville Hospital, Department of Pharmacy, Huntsville, AL, February 1980.
66. *Vitamin Therapy*, Auburn Pharmacy Continuing Education Program, Florence, AL, February 1980.

Clinical Practice

Clinical Pharmacist (Surgery - Trauma Service) at Carraway Methodist Medical Center, (Also Served as a Pharmacokinetic Consultant for the Pharmacy Staff) March 1993 - June 1995.

Pharmacy Specialist - Pharmacokinetic Consult Service at University of Alabama Hospitals, Birmingham, AL, The Pharmacokinetic Consult Service provides recommendations for pharmacokinetic dosing upon a written order by a physician. This service is provided 24 hours a day, 7 days a week. I was responsible for the service continuously for one week per month and one to two weekends per month. I also provided pharmacy staff development and certification of pharmacists in pharmacokinetic dosing, March 1982-October 1991.

Pharmacokinetic Consultant, Neurology Clinic, Alabama Crippled Children's Service, Birmingham, AL. I provided pharmacokinetic dosing recommendations for this clinic which was held one day a week. November 1981-August 1990.

Clinical Pharmacist - TPN Consult Service at Huntsville Hospital, Huntsville, AL. Provided weekend coverage two weekends a month. 1979-1980.

Clinical Pharmacist - Department of Pediatrics, Provided clinical pharmacy services to the pediatric unit and neonatal intensive care unit at Huntsville Hospital, Huntsville, AL, 1979-1980.

Practice-Related Activities

Pharmaceutical Care - Staff Development Program. Co-directed a series of sessions intended to guide implementation of Pharmaceutical Care at Carraway Methodist Medical Center - Department of Pharmacy. I led the following sessions: Identifying Drug-Related Problems, October 11 and October 13, 1994; Assessing Renal Function and Adjustment of Drug Dosages, October 18, 1994; Pharmacokinetic Drug Dosing, October 20, 1994; How to Approach the Medical Chart, October 27, 1994.

Pharmacokinetic Dosing - Staff Development Program. This program was designed to enhance the practice of pharmacists who serve as affiliate faculty with the School of Pharmacy. This following were accomplished for each site where this program has been offered: Developed program goals and content, Prepared program objectives and submitted paperwork for continuing education approval by the State of Alabama, Board of Pharmacy, Prepared a manual that included lecture outlines and case studies, Provided ten 1.5 hour lectures on pharmacokinetics. In addition, to instill application of knowledge, I reviewed the pharmacists' pharmacokinetic work up of actual patients. This was conducted during one-on-one sessions held at the clinical sites. This program has been offered at the following sites: **DCH Medical Center**, Department of Pharmacy, Tuscaloosa, AL; January 1992-March 1992; **Jackson Hospital and other Montgomery area Hospitals**, Departments of Pharmacy, Montgomery, AL July - August 1992; **Carraway Methodist Medical Center**, Department of Pharmacy, Birmingham, AL, July - August 1992.

University Service

University of Florida

University Wide

Member, Online – Quality Assurance Committee, January 2014 – present.
 Chair, E-learning System Governance Sub-Committee, June 2010 – August 2011.
 Member, IT Governance Roundtable, December 2010 – May 2011.
 Chair. Course Management System Governance Subcommittee. 2009 – 2010.
 Member. UF International Center Strategic Planning Committee. 2009-2010.
 Member, UF International Center – Health Science Center Global Education Committee. 2009-2010.
 Member, UF International Center – C4 Committee. 2009-2010.
 Co-chair. Course Management System Review Committee. 2008-2009.

Health Science Center

Member – Interprofessional Education Committee. October 2013 – present.
 Member, HSC-Educational Technology Advisory Committee – 2010 – present.
 Member – College of Nursing Dean Search Committee. October 2012 – April 2013.
 Member, Health Professional, Nursing and Pharmacy Building Committee. 2009-2013.

Auburn University

Outcomes Assessment – SACS Accreditation Committee, Spring 2001 – 2002 Member of 2 sub-committees.
 Committee for Development of a Teaching Excellence Center, Fall 1999 – Summer 2000.
 University Semester Transition Committee - January 1997 - September 1997
 Academic Affairs Committee - May 1995 - September 1997
 SACS Library Review Committee - 1991-1992

College Service/Administration

University of Florida

Associate Dean for Curriculum Affairs and Accreditation. Provide oversight for: 1) the entry-level and Working Professional Pharm.D. program curricula, 2) outcomes assessment, 3) accreditation, 4) Continuing Education, 5) the Curriculum Delivery Team, and 6) International Programs. November 2009 – present.

Director of Educational Development & Faculty Development. Responsible for: 1) facilitating implementation of educational initiatives, refinement, and expansion the educational programs offered by the College of Pharmacy; and 2) facilitating faculty development. April 2004 – October 2009.

Other Service Contributions:

1. Member – Faculty Governance Council. November 2012 – present.
2. Member – Executive Council, College of Pharmacy. July 2009 – present.
3. Ex-Officio Committee Member – Curriculum Committee. July 2009 – present.
4. Ex-Officio Committee Member – Course Review Sub-Committee. July 2009 – present.
5. Member – WPPD Advisory Committee, March 2004 – present.
6. Member – WPPD Administrative Team, March 2004 – present.
7. Ex-Officio Committee Member – Assessment Sub-Committee. July 2009 – 2013.
8. Member – National Advisory Board, College of Pharmacy. October 2009 – 2013.
9. Ex-Officio Committee Member – Curriculum Mapping Sub-Committee. July 2009 – 2010.

10. Member – WPPD Program Faculty Search Committee. June 2009 – August 2009.
11. Chair – Assistant Campus Director Search Committee. 2008-2009
12. Chair – Search Committee for 3 New Faculty Positions. Summer 2008.
13. Member – College of Pharmacy, Curriculum Committee, May 2004 – July 2009.

Auburn University:

Office of Experiential Learning - Director of Experiential Learning. Responsible for Development, Conduction, and Evaluation of the Pharmacy Practice Experience (PPE) (An Introductory Experience) and the Advanced Practice Experience (APE) Program. Responsibilities involved: Providing vision and leadership for the program, Supervision of PPE Coordinator (Faculty Member), (APE) Coordinator (Faculty Member), and two Academic Program Specialists (Professional Staff Member); Solving problems that cannot be resolved by the Academic Program Specialist, Assessment and Faculty Development for 120 experiential faculty; Student Assessment and Outcomes Assessment; Continuous Quality Improvement of Programs; and Site Development. September 1997 – March 2004.

Other Service Contributions in this Position:

Member of School of Pharmacy Professional Education Committee, October 2002 – March 2004 (this committee provided oversight for 4 sub-committees who are responsible for curricular development and outcomes assessment).

Chair of School of Pharmacy Experiential Learning Subcommittee/Experiential Learning Council, (this committee is responsible for guiding continuous improvement of the experiential programs and curricular decision-making related to experiential learning. This group also serves as the School's Experiential Learning Council and conducts onsite visits at our regional experiential sites on a rotating basis). October 2002 – March 2004.

Assessment Innovator

Initiated development of outcomes assessment, conceptualized, implemented, and conducted the Annual Milestone Assessments at the end of each academic year as noted above – I interfaced with the following committees in getting approval and adoption. May 1998 – May 2001.

Other Service Contributions in this Position:

Chair of Experiential Learning Review Council, September 1999-2002 (committees reconfigured within School in 2002).

Member of Curriculum Committee, September 1999-September 2002. (Combined Curriculum Committee and Outcomes Assessment Committee).

Member of School of Pharmacy Coordinating Committee, September 2001 – September 2002

Chair, Experiential Education Quality Improvement Committee - October 1998 – 2001 when it was renamed.

Chair, Curricular Outcomes Assessment Committee - October 1998 – October 1999 (committee was then combined with the Curriculum Committee).

Member, Accreditation Self-Study Committee - October 1998, and October 2002.

Member - Curriculum Committee - October 1997 – October 1998 (reconfigured following year)
Responsible for Initiating Outcomes Assessment

Interim Associate Dean June 1995 - September 1997

Responsibilities involved: Development and Implementation of a new curriculum; Faculty development related to teaching; Implementation of Continuous Quality Improvement of Academic Programs; Day-to-day management of 2 personnel in the Office of Academic and Student Affairs; Student academic advising; Class scheduling; Advisor to the School of Pharmacy Student Council; Represented Dean's office in the Dean's Absence; Prepared and conducted the following proposal which was funded through the Auburn 21st Century Fund: Active Learning Methods Project, Coordinated the School of Pharmacy's Orientation Program and Peer-Mentoring Program, Facilitated conduction of a new innovative student orientation program, Implemented a Teaching Portfolio Competition for faculty, Developed a newsletter that provided faculty with information about innovative teaching strategies described in the literature.

Other Service Contributions in this Position:

Member: Executive Committee, School of Pharmacy – June 1995 – October 1997.

Member: Continuous Quality Improvement Committee- October 1995-Sept 1997

Ex-Officio: Curriculum Committee - June 1995 - September 1997

Ex-Officio: Admissions Committee - June 1995 - September 1997

Ex-Officio: Awards and Scholarships Committee - June 1995 - September 1997

Member: Strategic Planning Work Group - September 1994 - September 1997

Chair: Task Force for Implementing the Pharm.D. Entry-level Degree Program - January 1995 - June 1995

Member: Curriculum Committee 1991 – 1994

Director of Professional Experience Program. Responsible for development and oversight of the B.S. program externship and clerkship rotations and the Pharm.D. clerkship rotations. . Responsibilities involve: Communication with 120 experiential faculty; Student Assessment; Continuous Quality Improvement of Programs; Site Development.

Chair: External Pharm.D. Degree Task Force 1991

Member: School of Pharmacy Grant-in-Aid Committee 1991 – 1993

Member: Pharm.D. Steering Committee 1988-1994

Chair: Pharm.D. Steering Committee 1989 – 1991

Chair: Pharm.D. Admissions Committee 1989 – 1991

Member: Curriculum Review for the School of Pharmacy Self-Study 1991

Director of Doctor of Pharmacy Program. Responsible for development and oversight of a post-baccalaureate Pharm.D. program that was conducted entirely off-campus. Responsible for program development, faculty development, student advising, and oversight of academic integrity.

Other Service Contributions in this Position:

Member: Pharm.D. Admissions Committee 1981 - 1989

Member: Ad-hoc Committee to Establish Voting Policy 1989

Chair: Pharm.D. Program Self-Study; Part of the School of Pharmacy Self-Study 1986

Member: Pharm.D. Admissions Committee 1981 – 1989

Coordinator of Pharm.D. Program. Established the post B.S. Pharm.D. program at University Hospitals in Birmingham. Responsible for development of both the didactic and clerkship components. Provided faculty development and mentoring as the program was established. Participated in the teaching of all courses.

Department Service

Chair: Search Committee – Advanced Practice Coordinator Position September 2001 – March 2002.

Chair: Tenure & Promotion Criteria Committee - September 2000-2001

Member: Department of Pharmacy Practice Coordinating Committee (Advisory Committee to Department Head) August 2000 – August 2001.

Chair: Advanced Practice Experience Task Force May 1995 - September 1997

Chair: Task Force for Externship Evaluation May 1995 - Present

Member: Ad Hoc Committee on Off-Campus Directing/Coordination of Courses and Programs 1994-1995

Member: Mobile Faculty Position Search Committee 1994-1995

Chair: Tuscaloosa Faculty Position Search Committee 1993-1994

Member: Experiential Education Committee 1990

Chair: Clinical Faculty Track Committee 1990

Member: Research and Scholarship Committee 1990-1992

Member: Teaching Effectiveness Committee 1990

Service to Professional Organizations

American Association of Colleges of Pharmacy

Member at Large: 1979 - present

Member, CAPE Revision Panel, April 2012 –present.

Member, ACPE Invitational Conference workgroup, Fall 2012.

Argus Commission Member: July 2006 – July 2011

Nominating Committee for the Formation of an Assessment SIG. July – August 2006.

Immediate Past President: July 2006 – July 2007

President: July 2005 – July 2006

President-Elect: July 2004 – July 2005

AACP Board Member: July 2000 – July 2003 and July 2004 – July 2007

Chair: Strategic Planning Committee – July 2004 – July 2005

Member: ACPE Representative Search Committee, July 2001 – November 2001 and July 2005 – October 2005

Member: AJPE Editor Search Committee, November 2001 – May 2002

AJPE Board Member: July 2003 – July 2004

Council of Faculties

Past-Chair: Council of faculties, July 2002-July 2003

Chair: Council of faculties, July 2001 – 2002

Chair-Elect: Council of faculties, July 2000 – 2001

Chair: Council of Faculties Teaching & Outcomes Assessment Committee, July 1997 – July 2000

Pharmacy Practice Section:

Chair: *Program Committee 1998-1999.*

Chair-Elect: Coordinated Development of Special Session on Distance Learning for the 1998 Annual Meeting.

Member: Outcomes Assessment Committee, July 1997 – July 1999.

Chair: Task Force for Enhancing Communications between the Pharmacy Practice Section and

the AACP PEP SIG - July 1994 - July 1997.

PEP-SIG:

Chair: Professional Experiential Programs Special Interest Group, July 1991 to July 1992

Chair-Elect: July 1990 to July 1991

Chair: Preceptor Needs Task Force July 1990 - July 1995

Member: Experiential Evaluation Task Force May 1989 - July 1993

Member: Continuous Quality Improvement Task Force July 1992 - July 1995. Assisted in the development of the Task Force Report

Member: Academic Affairs Committee, July 1998 – July 1999

Member: Advisory Board for First Curriculum Institute, November 1995

Member: AACP/NABP Task Force on Experiential Competencies, 1995-6

American Council on Pharmaceutical Education

Site Team Member: 1997 – 2002

American Foundation for Pharmaceutical Education

AFPE Board Member: July 2003 – July 2007

EDUCAUSE

Member: 2003 – present

Sloan-C Consortium for Online Learning

Member: 2007 – present

FIP

Member: 2005-present

American Pharmaceutical Association

Member: 1996-1999, 2005 – 2007

American Society of Health System Pharmacists

Member: 1982 – 2001, 2002 – 2006

American College of Clinical Pharmacy

Member : 1983 – 2001, 2003 – 2005, 2008 - present

Advisory Member: Research and Scholarship Academy, 2008 – present.

Member: Paul F. Parker Medalist Selection Committee, 2009-11.

Accreditation Council on Pharmaceutical Education

ACPE Site Visit Team Member: 1995 – present

American Association of Higher Education

Member: 1982 – 2001, 2003 – 2004

American Educational Research Association

Member: 1986 – 1988, 1999 – 2001, 2003 – 2004

Alabama Pharmacy Association

Member: 1995 - 2000

- Program Committee July 1997 – July 1999

Alabama Society of Health System Pharmacists

Member: 1980 - 2003

- Program Committee - September 1990 - September 1993

Community Services - West Alabama Health Services, Inc. Eutaw, Alabama

Member: Steering Committee Member 1997 – 1999.

Community Service

Board Member at Large. Gator Attack Club (University of Florida Womens Volleyball Team). January 2009 – 2011.

Board Member. Friends of the Marjorie Rawlings Farm. May 2009 – June 2010.

Member. Marjorie Rawlings Society. January 2008 – June 2010.

Sunday School Teacher - preschool. Dawson Memorial Baptist Church, Birmingham, AL. 2002 – 2004.