

## **Linda A. Felton, Ph.D.**

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Chair, Department of Pharmaceutical Sciences  
College of Pharmacy  
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### ***Education***

University of Texas at Austin, Austin, Texas  
1993-1997 Doctor of Philosophy in Pharmacy  
Supervisor: James W. McGinity, Division Head of Pharmaceutics  
Dissertation title: Mechanical and Adhesive Properties of an Acrylic Resin  
Copolymer Following Application to Solid Dosage Forms  
University of Texas at Austin, Austin, Texas  
1981-1986 Bachelor of Science in Pharmacy with Honors

### ***Professional Experience and Appointments***

Chair, Department of Pharmaceutical Sciences, University of New Mexico, College of Pharmacy, July 2009 to present  
Professor of Pharmaceutics, University of New Mexico, College of Pharmacy, 2012 to present  
Interim Chair, Pharmaceutical Sciences Division, University of New Mexico, College of Pharmacy, June 2008 to June 2009  
Director of Graduate Education, University of New Mexico, College of Pharmacy, 2006 to 2008  
Associate Professor of Pharmaceutics, University of New Mexico, College of Pharmacy, 2003-2012  
Assistant Professor of Pharmaceutics, University of New Mexico, College of Pharmacy, 1997 to 2003  
Formulation Specialist/Research Associate, Biopharmaceutics Laboratory Section, Department of Veterans Affairs Cooperative Studies Program Clinical Research Coordinating Center, 1998 to present  
Research/Teaching Assistant, University of Texas at Austin, College of Pharmacy, 1992-1997  
Internship at Rohm GmbH Chemical/Pharmaceutical Company, Darmstadt, Germany, 1994  
Primary Compounding Techniques; Professional Compounding Centers of America, Inc., 1994  
Community (Retail) Pharmacist,  
Relief Pharmacist at HEB Pharmacy, Austin, Texas, 1992-1997  
Pharmacy Manager at Walgreens Pharmacy, Austin, Texas, 1986-1992  
Undergraduate Research Assistant, University of Texas at Austin, College of Pharmacy, 1984-1985

### ***Research Interests***

My current research interests are focused broadly in drug product formulation and more narrowly in the area modified release drug delivery systems. My laboratory has been involved with polymeric film coating technologies for over 25 years. I am particularly interested the film-substrate interface, novel methodologies to characterize the physicochemical and drug release properties of drug products, and the influence of formulation and processing variables on product

performance. My laboratory houses manufacturing and analytical instrumentation necessary to study drug delivery systems, including in vitro drug release properties as well as physicochemical characterization. In addition, I oversee formulation development and cGMP manufacturing of drug products for clinical studies through the Department of Veteran's Affairs Cooperative Studies Program.

### ***Peer-Reviewed Publications***

1. **L.A. Felton**, M.M. Haase, N.H. Shah, G. Zhang, M.H. Infeld, A.W. Malick, and J.W. McGinity, Physical and enteric properties of soft gelatin capsules coated with Eudragit L 30 D-55. *International Journal of Pharmaceutics*, 113, 17-24, 1995.
2. **L.A. Felton**, N.H. Shah, G. Zhang, M.H. Infeld, A.W. Malick, and J.W. McGinity, Physical-mechanical properties of film-coated soft gelatin capsules. *International Journal of Pharmaceutics*, 127, 203-211, 1996.
3. **L.A. Felton** and J.W. McGinity, The influence of tablet hardness and tablet hydrophobicity on the adhesive properties of an acrylic resin copolymer. *Pharmaceutical Development and Technology*, 1 (4), 381-389, 1996.
4. **L.A. Felton**, N.H. Shah, G. Zhang, M.H. Infeld, A.W. Malick, and J.W. McGinity, Compaction properties of individual non-pareil beads coated with an acrylic resin copolymer. *S.T.P. Pharma Sciences*, 7 (6), 457-462, 1997.
5. **L.A. Felton** and J.W. McGinity, The influence of plasticizers on the adhesive properties of an acrylic resin copolymer to hydrophilic and hydrophobic tablet compacts. *International Journal of Pharmaceutics*, 154, 167-178, 1997.
6. **L.A. Felton** and J.W. McGinity, Influence of pigment concentration and particle size on adhesion of an aqueous-based acrylic polymer to tablet compacts, *Drug Development and Industrial Pharmacy*, 25 (5), 599-606, 1999.
7. **L.A. Felton** and J.W. McGinity, Adhesion of polymeric films to pharmaceutical solids, *European Journal of Pharmaceutics and Biopharmaceutics*, 47 (1), 1-14, 1999.
8. **L.A. Felton**, T. Austin-Forbes, and T.A. Moore, Influence of surfactants in aqueous-based polymeric dispersions on the thermo-mechanical and adhesive properties of acrylic films, *Drug Development and Industrial Pharmacy*, 26 (2), 205-210, 2000.
9. **L.A. Felton**, K. Keesee, R. Mattox, R. McCloskey, and G. Medley, Comparison of video instruction and conventional learning methods on students' understanding of tablet manufacturing, *American Journal of Pharmaceutical Education*, 65 (1) 53-56, 2000.
10. **L.A. Felton**, and M.L. Baca, Influence of curing on the adhesive and mechanical properties of an acrylic polymer, *Pharmaceutical Development and Technology*, 6 (1), 1-9, 2001.
11. **L.A. Felton** and W.L. Perry, A novel technique to quantify film-tablet interfacial thickness, *Pharmaceutical Development and Technology*, 7 (1), 1-5, 2002.
12. **L.A. Felton**, D. I. Garcia, and R. Farmer, Weight and weight uniformity of hard gelatin capsules filled with microcrystalline cellulose and silicified microcrystalline cellulose, *Drug Development and Industrial Pharmacy*, 28 (4), 469-474, 2002.
13. D.A. Godwin, N-H. Kim, and **L.A. Felton**, Influence of Transcutol CG on skin retention of sunscreens, *European Journal of Pharmaceutics and Biopharmaceutics*, 53 (1), 23-27, 2002.

14. **L.A. Felton** and J.W. McGinity, Influence of insoluble excipients on film coating systems, *Drug Development and Industrial Pharmacy*, 28 (3), 225-243, 2002.
15. **L.A. Felton**, C.J. Wiley, and D.A. Godwin, Influence of hydroxypropyl- $\beta$ -cyclodextrin on the transdermal permeation and skin accumulation of oxybenzone, *Drug Development and Industrial Pharmacy*, 28 (9), 1117-1124, 2002.
16. **L.A. Felton** and C.J. Wiley, Blinding controlled release film-coated tablets for clinical trials, *Drug Development and Industrial Pharmacy*, 29 (1), 9-18, 2003.
17. **L.A. Felton**, C.J. Wiley, and D.A. Godwin, Influence of cyclodextrin complexation on the in vivo photoprotective effects of oxybenzone, *Drug Development and Industrial Pharmacy*, 30 (1), 95-102, 2004.
18. D.A. Godwin, C.J. Wiley, and **L.A. Felton**, Using cyclodextrin complexation to enhance secondary photoprotection of topically applied ibuprofen, *European Journal of Pharmaceutics and Biopharmaceutics*, 62 (1), 85-93, 2006.
19. **L.A. Felton** and G.S. Timmins, A nondestructive technique to determine the rate of oxygen permeation into solid dosage forms, *Pharmaceutical Development and Technology*, 11, 1-7, 2006.
20. L. Lund, R.D. Ley, **L. Felton**, and G.S. Timmins, Determination of Wavelength Specific UV Protection Factors of Sunscreens in Intact Skin by EPR Measurement of UV Induced Reactive Melanin Radical, *Photochemistry and Photobiology*, 83, 1-6, 2007.
21. **L.A. Felton**, K. Shah, J. Yang, H. Omidian, and J.G. Rocca, A rapid technique to evaluate the oxidative stability of a model drug, *Drug Development and Industrial Pharmacy*, 33, 1-7 2007. **Outstanding Research Manuscript for 2007**
22. **L.A. Felton**, Characterization of coating systems, *AAPS PharmSci Tech*, 8 (4), 2007.
23. J. Yang, D.A. Godwin, and **L.A. Felton**, Influence of Hydroxypropyl- $\beta$ -Cyclodextrin on Transdermal Penetration and Photostability of Avobenzone, *European Journal of Pharmaceutics and Biopharmaceutics*, 69, 605-612, 2008.
24. C. Kear, J. Yang, D.A. Godwin, and **L.A. Felton**, Investigation into the mechanism by which cyclodextrins influence transdermal drug delivery, *Drug Development and Industrial Pharmacy*, 34, 692-697, 2008.
25. D. Barbash, J. Fulgham, J. Yang, and **L.A. Felton**, A novel imaging technique to investigate the influence of atomization air pressure on film-tablet interfacial thickness, *Drug Development and Industrial Pharmacy*, 35, 480-487, 2009.
26. S.C. Porter and L.A. Felton, Techniques to assess film coatings and evaluate film-coated products, *Drug Development and Industrial Pharmacy*, 36, 128-142, 2010.
27. M.P. Pai, H. Bruce, and **L.A. Felton**, Clinical Pharmacokinetics of Oral Controlled-Release 5-Fluorocytosine, *Antimicrobial Agents and Chemotherapy*, 54, 1237-1241, 2010.
28. N.Zhang, L.N. Agbor, Y. Zalobowski, K.M. Elased, A. Trujillo, M. Skelton, V. Wolf, M.T. Walsh, J.L. Born, **L.A. Felton**, J. Wang, W. Wang, N. Kanagy, and M.K. Walker, An activated rennin-angiotensin system in aryl hydrocarbon receptor heterozygous mice maintains blood pressure at normal levels, *Biochem. Pharmacol.*, July 15; 80(2), 197-204, 2010.

29. **L.A. Felton**, P.P. Shah, Z. Sharp, V. Atudorei, and G.S. Timmins, Stable isotope-labeled excipients for drug product identification and counterfeit detection, *Drug Development and Industrial Pharmacy*, 37 (1), 88-92, 2011.
30. H. Bruce, P. Garcia-Todd, P.J. Sheskey, and **L.A. Felton**, Novel low molecular weight hypromellose polymeric films for aqueous film coating applications, *Drug Development and Industrial Pharmacy*, 37 (12), 1439-1445, Dec 2011.
31. M.K. Walker, J. Boberg, M.T. Walsh, V. Wolf, A. Trujillo, M.S. Duke, R. Palme, and **L.A. Felton**, A less stressful alternative to oral gavage for pharmacological and toxicological studies in mice, *Toxicology and Applied Pharmacology*, 260, 65-69, 2012.
32. **L.A. Felton**, Mechanisms of polymeric film formation, *International Journal of Pharmaceutics*, 457, 423-427, 2013.
33. S.A. Kucera, **L.A. Felton**, J.W. McGinity, Physical Aging in Pharmaceutical Polymers and the Effect on Solid Oral Dosage Form Stability, *International Journal of Pharmaceutics*, 457, 428-436, 2013.
34. L.A. Felton and S.C. Porter, An update on pharmaceutical film coating for drug delivery, *Expert Opinion on Drug Delivery*, 10, 421-435, 2013.
35. **L.A. Felton**, C. Popescu, C. Wiley, E.X. Esposito, P. Lefevre, and A.J. Hopfinger, Experimental and Computational Studies of Physicochemical Properties that Influence NSAID-Cyclodextrin Complexation, *AAPS PharmSciTech*, 15 (4), 872-881, 2014.
36. P. Pandey, D.S. Bindra, **L.A. Felton**, Influence of process parameters on the tablet bed microenvironment during pan coating, *AAPS PharmSciTech*, 15(2), 296-305, 2014.
37. **L.A. Felton**, C.J. Wiley, and B. Cathcart, Automated ink-removal system for blinding clinical trial materials, *Tablets and Capsules*, Oct, 2014.
38. J.L. Taylor-Cousar, C. Wiley, **L.A. Felton**, C. St. Clair, M. Jones, D. Curran-Everett, K. Poch, D.P. Nichols, G.M. Solomon, M.T. Saavedra, F.A. Accurso, and J.A. Nick, Pharmacokinetics and tolerability of oral sildenafil in adults with cystic fibrosis lung disease, *Journal of Cystic Fibrosis*, 14, 228-236, 2015.
39. E. Macchi, L. Zema, A. Maroni, A. Gazzaniga, **L.A. Felton**, Enteric-coating of pulsatile-release HPC capsules prepared by injection molding, *European Journal of Pharmaceutical Sciences*, 70, 1-11, 2015.
40. H.O. Ammar, M.M. Ghorab, **L.A. Felton**, S. Gad, and A.A. Fouly, Effect of antiadherents on the physical and drug release properties of acrylic polymeric films, *AAPS PharmSciTech*, 17, 682-692, 2016.
41. E. Macchi, P. Pandey, L. Zema, A. Gazzaniga, **L.A. Felton**, Influence of temperature and relative humidity conditions during pan coating on the characteristics of hydroxypropyl cellulose molded capsules, *European Journal of Pharmaceutics and Biopharmaceutics*, 100, 47-57, 2016.
42. E. Macchi and **L.A. Felton**, Influence of relative humidity during coating on polymer deposition and film formation, *International Journal of Pharmaceutics*, 510, 116-124, 2016.
43. W.L. Guerra-Ponce, S.L. Gracia-Vasquez, P. Gonzalez-Barranco, I.A. Camacho-Mora, Y.A. Gracia-Vasquez, E. Orozco-Beltran, and **L.A. Felton**, In vitro evaluation of sustained release matrix tablets containing a model poorly water-soluble drug, *Brazilian Journal of Pharmaceutical Sciences*, 52, 751-759, 2016.
44. **L.A. Felton**, Use of polymers for taste masking pediatric drug products, *Drug Development and Industrial Pharmacy*, 44, 1049-1055, 2018.

45. J. Nawarskas, J. Koury, D. Lauber, and **L.A. Felton**, Open-label study of the stability of nitroglycerin sublingual tablets, *American Journal of Cardiology*, 122 (12), 2018.
46. J. Nawarskas, D. Lauber, and **L.A. Felton**, An Explanation for the Effect of Different Storage Conditions on Sublingual Nitroglycerin Tablet Stability, *American Journal of Cardiology*, 124 (6), 2019.
47. J. Koury, M. Johnson, S. Sturtevant, C. Wiley, and **L. Felton**, Treatment of a Kaposiform Hemangioendothelioma in a Premature Neonate Using Sirolimus, *Journal of Pediatric Pharmacology and Therapeutics*, accepted 6/2020.
48. J.J. Nawarskas, B. Kuskov, C. Wiley, and **L.A. Felton**, Relative Humidity Can Affect the Recommended Frequency for Sublingual Nitroglycerin Replacement, *Journal of Pharmacy and Pharmaceutical Sciences*, submitted 1/2021.

### ***Book Chapters***

1. **L.A. Felton**, Film coating of oral solid dosage forms, *Encyclopedia of Pharmaceutical Technology*, 2<sup>nd</sup> ed., J. Swarbrick, editor, Marcel Dekker, New York City, 2002.
2. D. Raisch and **L.A. Felton**, The introduction of new drugs, *Remington: The Science and Practice of Pharmacy*, 21<sup>st</sup> edition, R. Hendrickson, editor, Lippincott, Baltimore, 2005.
3. R. E. O'Connor, J.B. Schwartz, and **L.A. Felton**, Powders, *Remington: The Science and Practice of Pharmacy*, 21<sup>st</sup> edition, R. Hendrickson, editor, Lippincott, Baltimore, 2005.
4. **L.A. Felton** and J.W. McGinity, Adhesion of polymeric films, *Aqueous Polymeric Coatings for Pharmaceutical Dosage Forms*, 3<sup>rd</sup> edition, McGinity and Felton, editors, Informa Healthcare, New York City, 2008.
5. **L.A. Felton**, P. B. O'Donnell, and J.W. McGinity, Mechanical properties of polymeric films prepared from aqueous dispersions, *Aqueous Polymeric Coatings for Pharmaceutical Dosage Forms*, 3<sup>rd</sup> edition, McGinity and Felton, editors, Informa Healthcare, New York City, 2008.
6. S.A. Kucera, **L.A. Felton**, and J.W. McGinity, Physical aging of polymers and its effect on the stability of solid oral dosage forms, *Aqueous Polymeric Coatings for Pharmaceutical Dosage Forms*, 3<sup>rd</sup> edition, McGinity and Felton, editors, Informa Healthcare, New York City, 2008.
7. B. Carlin, J-X Li, and **L.A. Felton**, Pseudolatex Dispersions for Controlled Drug Delivery, *Aqueous Polymeric Coatings for Pharmaceutical Dosage Forms*, 3<sup>rd</sup> edition, McGinity and Felton, editors, Informa Healthcare, New York City, 2008.
8. **L.A. Felton**, Coating Systems for Oral Controlled-Release Formulations, *Oral Controlled Release Formulation Design and Drug Delivery: Theory to Practice*, Wen and Park, editors, John Wiley & Sons, Inc, New York City, 2010.
9. D. Raisch and **L.A. Felton**, The introduction of new drugs, *Remington: The Science and Practice of Pharmacy*, 22<sup>nd</sup> edition, L. Allen, editor, Pharmaceutical Press, London, 2012.
10. C. Cone, A. Bachyrycz, and **L.A. Felton**, Pharmaceutical Compounding-Sterile Products, *Remington: The Science and Practice of Pharmacy*, 22<sup>nd</sup> edition, L. Allen, editor, Pharmaceutical Press, London, 2012.
11. A.R. Rajabi-Siahboomi, M. Rane, and **L.A. Felton**, Oral Modified Release Drug Delivery Systems, *Remington: The Science and Practice of Pharmacy*, 22<sup>nd</sup> edition, L. Allen, editor, Pharmaceutical Press, London, 2012.

12. **L.A. Felton** and G.S. Timmins, Use of stable isotopes in pharmaceutical products for anti-counterfeiting purposes, in Identification and analysis of counterfeit and substandard pharmaceuticals, P.G. Wang and A.I. Wertheimer, editors, ILM Publications, U.K., 2013.
13. **L.A. Felton**, Film coating of oral solid dosage forms, Encyclopedia of Pharmaceutical Science and Technology, 4th ed., J. Swarbrick, editor, Informa Healthcare, New York City, 2013.
14. C. Cone, A. Bachyrycz, and **L.A. Felton**, Pharmaceutical Compounding-Sterile Products, Remington: Essentials of Pharmaceutics, L.A. Felton, editor, Pharmaceutical Press, London, 2013.
15. A.R. Rajabi-Siahboomi, M. Rane, and **L.A. Felton**, Oral Modified Release Drug Delivery Systems, Remington: Essentials of Pharmaceutics, L.A. Felton, editor, Pharmaceutical Press, London, 2013.
16. D. Raisch and **L.A. Felton**, The introduction of new drugs, Remington: Essentials of Pharmaceutics, L.A. Felton, editor, Pharmaceutical Press, London, 2013.
17. **L.A. Felton** and J.W. McGinity, Adhesion of polymeric films, Aqueous Polymeric Coatings for Pharmaceutical Dosage Forms, 4<sup>th</sup> edition, Felton, editor, CRC Press, New York City, 2016.
18. **L.A. Felton**, P. B. O'Donnell, and J.W. McGinity, Mechanical properties of polymeric films prepared from aqueous dispersions, Aqueous Polymeric Coatings for Pharmaceutical Dosage Forms, 4<sup>th</sup> edition, Felton, editor, CRC Press, New York City, 2016.
19. S.A. Kucera, **L.A. Felton**, and J.W. McGinity, Physical aging of polymers and its effect on the stability of solid oral dosage forms, Aqueous Polymeric Coatings for Pharmaceutical Dosage Forms, 4<sup>th</sup> edition, Felton, editor, CRC Press, New York City, 2016.
20. B. Carlin, J-X Li, and **L.A. Felton**, Pseudolatex Dispersions for Controlled Drug Delivery, Aqueous Polymeric Coatings for Pharmaceutical Dosage Forms, 4<sup>th</sup> edition, Felton, editor, CRC Press, New York City, 2016.
21. E. Macchi and **L.A. Felton**, Substrate considerations when coating solid dosage forms, Aqueous Polymeric Coatings for Pharmaceutical Dosage Forms, 4<sup>th</sup> edition, Felton, editor, CRC Press, New York City, 2016.
22. N. Nyamweya, S. Hoag, T. Deshpande, and **L.A. Felton**, Influence of coloring agents on the properties of polymeric coating systems, Aqueous Polymeric Coatings for Pharmaceutical Dosage Forms, 4<sup>th</sup> edition, Felton, editor, CRC Press, New York City, 2016.

### ***Invited Publications***

1. **L.A. Felton**, N.H. Shah, G. Zhang, M.H. Infeld, A.W. Malick, and J.W. McGinity, A novel technique to study the mechanical properties of soft gelatin capsules coated with an acrylic resin copolymer, *FDC Control*, 107, 2-3, September, 1995.
2. **L.A. Felton**, Film-Coated Pharmaceutical Dosage Forms, *El Boticario*, 13 (Winter) 1997.
3. **L.A. Felton**, Recent Advances in the Study of Polymeric Film Coating, AAPS NewsMagazine (feature article), March, 2003.
4. **L.A. Felton** and J.W. McGinity, Enteric Coating of Soft Gelatin Capsules, *Drug Dev. Tech.*, 3 (6), 34-39, 2003.
5. A. Recupero, **L.A. Felton**, L. Righton, Roundtable discussion on Future Innovation in Drug Delivery, moderated by Patricia van Arnum, *Pharm. Tech.*, July 2012.

### ***Presentations at National and International Conferences***

1. Haase, M., **L. Felton**, J. McGinity, N. Shah, G. Zhang, M. Infeld, and A. Malick. Enteric coating of soft gelatin capsules containing ibuprofen. Poster *American Association of Pharmaceutical Scientists Eighth Annual Meeting*, Orlando, Fl., November, 1993.
2. **L.A. Felton**, M.M. Haases, N.H. Shah, G. Zhang, M.H. Infeld, A.W. Malick, and J.W. McGinity. Properties of enteric coated soft gelatin capsules containing ibuprofen. Podium *13<sup>th</sup> Pharmaceutical Technology Conference (Europe)*, Strasbourg, France, April, 1994.
3. **L. Felton**, N. Shah, G. Zhang, M. Infeld, A. Malick, and J. McGinity. Physical-mechanical properties of soft gelatin capsules coated with an acrylic polymer. Poster *American Association of Pharmaceutical Scientists Ninth Annual Meeting*, San Diego, CA., November, 1994.
4. **L. Felton**, C. Wang, N. Shah, G. Zhang, M. Infeld, A. Malick, and J. McGinity. A novel technique to study the physical properties of beads and film coated soft gelatin capsules. Podium *1<sup>st</sup> World Meeting APGI/APV*, Budapest, Hungary, May, 1995.
5. **L.A. Felton**, N.H. Shah, G. Zhang, M.H. Infeld, A.W. Malick, and J.W. McGinity. The mechanical properties of beads coated with an acrylic resin copolymer. Poster *American Association of Pharmaceutical Scientists Tenth Annual Meeting*, Miami, FL., November, 1995.
6. **L. Felton** and J. McGinity. Adhesive strength of polymeric films to solid substrates. Podium *APV Conference*, Mainz, Germany, March, 1996.
7. **L.A. Felton** and J.W. McGinity. The influence of plasticizer on the adhesive properties of acrylic resin copolymers. Podium *15<sup>th</sup> Annual Pharmaceutical Technology Conference (Europe)*, Oxford, United Kingdom, March, 1996.
8. **L.A. Felton** and J.W. McGinity. Adhesion of an acrylic resin polymer to hydrophilic and hydrophobic tablet compacts. Poster *American Association of Pharmaceutical Scientists Eleventh Annual Meeting*, Seattle, WA., October, 1996.
9. **L.A. Felton** and J.W. McGinity. Effects of additives in the coating formulation on the adhesive properties of an acrylic resin copolymer. Podium *16<sup>th</sup> Annual Pharmaceutical Technology Conference (Europe)*, Athens, Greece, April, 1997.
10. **L.A. Felton** and J. W. McGinity. Influence of pigment morphology and concentration on the adhesive properties of an aqueous-based acrylic polymer. Podium *American Association of Pharmaceutical Scientists Twelfth Annual Meeting*, Boston, MA, November, 1997.
11. **L.A. Felton**, T.A. Moore, and T. Austin. Influence of surfactants in an aqueous-based acrylic dispersion on tablet wettability and polymer adhesion. Poster *American Association of Pharmaceutical Scientists Thirteenth Annual Meeting*, San Francisco, CA, November, 1998.
12. **L.A. Felton** and D.A. Godwin. Enhancing the efficacy of sunscreens. Poster *First Annual Steve Schiff Center for Skin Cancer Research Mini-Symposium*, Albuquerque, NM, June, 1999.
13. D.A. Godwin and **L.A. Felton**. Development of a novel thermoanalytical method to quantify UV-induced skin damage. Poster *First Annual Steve Schiff Center for Skin Cancer Research Mini-Symposium*, Albuquerque, NM, June, 1999.
14. **L.A. Felton**, M.L. Baca, and C.R. Apodaca. Influence of curing on the mechanical and adhesive properties of an acrylic resin copolymer. Poster *American Association of Pharmaceutical Scientists Fourteenth Annual Meeting*, New Orleans, LA, November, 1999.

15. D.A. Godwin, J.C. Wiser, and **L.A. Felton**. Influence of formulation on skin retention of oxybenzone. Poster *American Association of Pharmaceutical Scientists Fourteenth Annual Meeting*, New Orleans, LA, November, 1999.
16. D.A. Godwin, N-H Kim, and **L.A. Felton**. Influence of Transcutol concentration on the transdermal penetration and skin retention of UV absorbers. Poster *Second Annual Steve Schiff Center for Skin Cancer Research Mini-Symposium*, Albuquerque, NM, June, 2000.
17. D.A. Godwin, N-H Kim, and **L.A. Felton**, Influence of Transcutol CG on the skin retention of UV absorbers. Poster *American Association of Pharmaceutical Scientists Fifteenth Annual Meeting*, Indianapolis, IN, October, 2000.
18. **L.A. Felton**, N-H Kim, and W.L. Perry, A novel technique to quantify physical mixing at the film-tablet interface during aqueous film coating. Poster *American Association of Pharmaceutical Scientists Fifteenth Annual Meeting*, Indianapolis, IN, October, 2000.
19. D.A. Godwin, N-H Kim, C.J. Wiley, and **L.A. Felton**. Effects of Transcutol on the Transdermal Permeation and Skin Accumulation of UV Absorbers. Poster *Third Annual Steve Schiff Center for Skin Cancer Research Mini-Symposium*, Albuquerque, NM, June, 2001.
20. **L.A. Felton** and W.L. Perry, Influence of surface hydrophobicity on film-tablet interfacial thickness. Poster *American Association of Pharmaceutical Scientists Sixteenth Annual Meeting*, Denver, CO, October, 2001.
21. **L.A. Felton**, C.J. Wiley, R.S. Medina, and D.A. Godwin, Blinding of commercially available sustained release film-coated tablets for clinical trials. Poster *American Association of Pharmaceutical Scientists Sixteenth Annual Meeting*, Denver, CO, October, 2001.
22. **L.A. Felton**, C.J. Wiley, and D.A. Godwin, Influence of hydroxypropyl-B-cyclodextrin concentration on the in vitro transdermal permeation and skin accumulation of a model ultraviolet absorber. Poster *American Association of Pharmaceutical Scientists Sixteenth Annual Meeting*, Denver, CO, October, 2001.
23. D.A. Godwin, N-H Kim, and **L.A. Felton**, Influence of Transcutol CG on the skin retention of UV absorbers. Poster *Fourth Annual Steve Schiff Center for Skin Cancer Research Mini-Symposium*, Albuquerque, NM, June, 2002.
24. **L.A. Felton**, C.J. Wiley, and D.A. Godwin, Influence of cyclodextrin complexation on the aqueous solubility and transdermal kinetics of model nonsteroidal anti-inflammatory agents, Poster *American Association of Pharmaceutical Scientists Seventeenth Annual Meeting*, Toronto, Canada, November, 2002.
25. **L.A. Felton** and A.L. Friar, Enteric coating of gelatin and cellulosic capsules using an aqueous-based acrylic polymer, Poster *American Association of Pharmaceutical Scientists Seventeenth Annual Meeting*, Toronto, Canada, November, 2002.
26. **L.A. Felton** and G.S. Timmins, A noninvasive technique to quantify oxygen permeation through gelatin and cellulosic capsules, Poster *American Association of Pharmaceutical Scientists Seventeenth Annual Meeting*, Toronto, Canada, November, 2002.
27. **L.A. Felton**, C.J. Wiley, and D.A. Godwin, Influence of cyclodextrin complexation on in vivo photoprotection, Poster *American Association of Pharmaceutical Scientists Eighteenth Annual Meeting*, Salt Lake City, Utah, October, 2003.
28. **L.A. Felton** and G.S. Timmins, A nondestructive technique to quantify oxygen permeation through tablets, Poster *American Association of Pharmaceutical Scientists Eighteenth Annual Meeting*, Salt Lake City, Utah, October, 2003.



29. **L.A. Felton**, C.J. Wiley, and D.A. Godwin, Influence of cyclodextrin complexation on the transdermal permeation and photoprotection of a model ultraviolet absorber, Poster *Controlled Release Society Thirty First Annual Meeting*, Honolulu, Hawaii, June, 2004.
30. J. Yang, C.J. Wiley, D.A. Godwin, and **L.A. Felton**, Poster Use of novel sunscreens to reduce the incidence of ultraviolet-induced skin cancer in SKH-1 hairless mice, Poster Mountain West Society of Toxicology, Park City, Utah, September, 2004.
31. **L.A. Felton**, G.S. Timmins, R. Steffenino, and T. Farrell, Poster A nondestructive technique to quantify oxygen permeation through applied film coatings, *American Association of Pharmaceutical Scientists Nineteenth Annual Meeting*, Baltimore, Maryland, November, 2004.
32. **L.A. Felton**, J. Yang, D. Barbash, and J. Fulghum, Poster Influence of atomization air pressure used during the coating process on film-tablet interfacial thickness, *American Association of Pharmaceutical Scientists Nineteenth Annual Meeting*, Baltimore, Maryland, November, 2004.
33. **L.A. Felton**, and D.A. Godwin, Use of confocal laser scanning microscopy to investigate drug migration into a sustained release coating, Poster *Controlled Release Society Thirty Second Annual Meeting*, Miami, FL, June, 2005.
34. J. Yang, C. Kear, D. Godwin, and **L. Felton**, Do cyclodextrins interact with lipids in the epidermis to alter barrier function?, Poster *American Association of Pharmaceutical Scientists Annual Meeting*, Nashville, TN, November, 2005.
35. J. Yang and **L. Felton**, Influence of cyclodextrin complexation on the skin distribution of a model UV absorber, Poster *American Association of Pharmaceutical Scientists Annual Meeting*, San Antonio, TX, October, 2006.
36. **L. Felton**, K. Shah, J. Yang, H. Omidian, and J. Rocca, A rapid technique to evaluate the oxidative stability of a model drug, Poster *American Association of Pharmaceutical Scientists Annual Meeting*, San Antonio, TX, October, 2006.
37. **L. Felton**, S. Sturtevant, and A. Birkmire, A novel capsule coating process for the application of enteric coatings to small batch sizes, Poster *American Association of Pharmaceutical Scientists Annual Meeting*, San Antonio, TX, October, 2006.
38. H.F. Bruce, M.P. Pai, and **L.A. Felton**, Development of a high dose, highly water-soluble controlled release matrix tablet, Poster *American Association of Pharmaceutical Scientists Annual Meeting*, San Diego, CA, November, 2007.
39. H.F. Bruce, M.P. Pai, and **L.A. Felton**, In vitro release and in vivo absorption of flucytosine controlled release hydrophilic matrix tablets, Poster *Controlled Release Society Annual Meeting*, New York City, NY, July, 2008.
40. H.F. Bruce, V.A. Wolfe, and **L.A. Felton**, Influence of the molecular weight of polyethylene glycol on the enteric properties of coated hard shell capsules, Poster *Controlled Release Society Annual Meeting*, New York City, NY, July, 2008.
41. H.F. Bruce, V.A. Wolf, A.A. Birkmire, and **L.A. Felton**, Enteric coating of hard shell capsules containing various grades of polyethylene glycol, Poster *American Association of Pharmaceutical Scientists Annual Meeting*, Atlanta, GA, November, 2008.
42. H.F. Bruce, P.J. Sheskey, P.C. Garcia Todd, **L.A. Felton**, Water vapor permeability of novel very low viscosity hypromellose polymeric films, Poster *American Association of Pharmaceutical Scientists Annual Meeting*, Los Angeles, CA, November, 2009.

43. P.P. Shah, J. Farrington, R. Raymond, T. Boyle, R. Hromas, and **L.A. Felton**, Effect of cyclodextrin complexation on the solubility and in vitro activity of a novel anticancer agent, Poster American Association of Pharmaceutical Scientists Annual Meeting, Los Angeles, CA, November, 2009.
44. H.F. Bruce, P.J. Sheskey, P.C. Garcia-Todd, D.L. Holbrook, K.M. Balwinski, and **L.A. Felton**, Physical and mechanical properties of sprayed and cast novel very low viscosity hypromellose polymeric films, Poster American Association of Pharmaceutical Scientists Annual Meeting, New Orleans, LA, November, 2010.
45. **L.A. Felton**, P. Shah, Z. Sharp, V. Atudorei, and G.S. Timmins, Drug product identification and counterfeit detection with stable isotope-labeled excipients, Poster American Association of Pharmaceutical Scientists Annual Meeting, New Orleans, LA, November, 2010.
46. Z. Mancha, P. Sheskey, and **L. Felton**, Mechanical properties of very low viscosity hypromellose films blended with conventional hypromellose polymers, Poster American Association of Pharmaceutical Scientists Annual Meeting, Washington DC, October, 2011.
47. C. Popescu, C. Wiley, P. Lefevre, and **L. Felton**, The influence of  $\beta$ -cyclodextrin side chain substitutions on the complexation efficiency of a model BCS Class II compound, Poster American Association of Pharmaceutical Scientists Annual Meeting, Washington DC, October, 2011.
48. C. Popescu, C. Wiley, I. Zhou, P. Lefevre, and **L. Felton**, Influence of  $\beta$ -Cyclodextrin side chain substitutions on the complexation efficiency of two model BCS class II compounds, Poster Controlled Release Society Annual Meeting, Quebec City, Canada, July, 2012.
49. C. Popescu, C. Wiley, S. Potaraju, P. Lefevre, L. Zhou, D. Peterson, and **L. Felton**, Influence of cyclodextrin complexation method on the physical properties and dissolution profile of a model BCS class II compound, Poster American Association of Pharmaceutical Scientists Annual Meeting, Chicago, IL, October, 2012.
50. C. Wiley, P.J. Sheskey, K. Coppens, and **L.A. Felton**, Influence of substrate hydrophobicity on the wettability of very low viscosity hypromellose solutions for tablet coating applications, Poster American Association of Pharmaceutical Scientists Annual Meeting, Chicago, IL, October, 2012.
51. K. Montano, R. Moya, L. Mergard, G. Eden, F. Lueddeke, J. Hickey, and **L.A. Felton**, Intentional logo bridging with aqueous-based polymeric film coatings to blind debossed tablets for use in clinical studies, Poster American Association of Pharmaceutical Scientists Annual Meeting, Chicago, IL, October, 2012.
52. C. Popescu, C. Wiley, P. Lefevre, A. Weinecke, L. Zhou, and **L.A. Felton**, NSAIDs taste masking by new maltodextrins (Kleptose Linecaps), Poster American Association of Pharmaceutical Scientists Annual Meeting, Chicago, IL, October, 2012.
53. C. Popescu, C. Wiley, P. Lefevre, A.J. Hopfinger, L. Zhou, E.X. Esposito, and **L.A. Felton**, Physicochemical properties that influence cyclodextrin complexation, Poster American Association of Pharmaceutical Scientists Annual Meeting, Chicago, IL, October, 2012.
54. E. Macchi, L. Zema, A. Gazzanigaa, **L. A. Felton**, Release performance of injection-molded HPC-based capsules filled with different formulations of a model drug, Poster American Association of Pharmaceutical Scientists Annual Meeting, Chicago, IL, October, 2012.

55. E. Macchi, L. Zema, A. Gazzanigaa, **L. A. Felton**, Gastroresistant coating of HPC capsules prepared by injection molding, Poster *Controlled Release Society Annual Meeting*, Honolulu, HI, July, 2013.
56. A. Fouly, **L. Felton**, and H. Ammar, Influence of antiadherents on mechanical and thermal properties of acrylic polymeric films, Oral Presentation *International Pharmaceutical Federation World Congress*, Dublin, Ireland, Aug-Sept, 2013.
57. E. Macchi, L. Zema, A. Gazzanigaa, **L. A. Felton**, Enteric-Coating of HPC Capsules Prepared by Injection-Molding, Poster *American College of Clinical Pharmacy Annual Meeting*, Albuquerque, NM, October, 2013.
58. J.L.Taylor-Cousar, C. St. Clair, M. Jones, D. Curran-Everett, **L.A. Felton**, K. Poch, S. Caceres, D.P. Nichols, M.T. Saavedra, J.A. Nick, Oral Sildenafil Administration Decreases Sputum Elastase in Adults With Cystic Fibrosis, Poster *North American Cystic Fibrosis Conference*, Salt Lake City, UT, October, 2013.
59. **L.A. Felton**, C. Wiley, and P. Pandey, Influence of lactose on the mechanical and adhesive properties of hydroxypropyl methylcellulose polymeric films, Poster *American Association of Pharmaceutical Scientists Annual Meeting*, San Antonio, TX, November, 2013.
60. E. Macchi, L. Zema, A. Gazzaniga, and **L.A. Felton**, Enteric-coating of pulsatile-release capsules prepared by injection molding, Poster *American Association of Pharmaceutical Scientists Annual Meeting*, San Antonio, TX, November, 2013.
61. P. Pandey, D.S. Bindra, **L.A. Felton**, and E. Shen, Role of coating formulation components on film strength and adhesion, Poster *American Association of Pharmaceutical Scientists Annual Meeting*, San Antonio, TX, November, 2013.
62. **L.A. Felton**, C.J. Wiley, P. Pandey, Lactose Crystallization in Free Films Comprising Hydroxypropyl Methylcellulose, Poster *American Association of Pharmaceutical Scientists Annual Meeting*, San Diego, CA, November, 2014.
63. E. Macchi, P. Pandey, L. Zema, A. Gazzaniga and **L.A. Felton**, Temperature and Relative Humidity Conditions during Pan Coating of Hydroxypropyl cellulose and Gelatin Capsules, Poster *American Association of Pharmaceutical Scientists Annual Meeting*, San Diego, CA, November, 2014.
64. E. Macchi, P. Pandey, L. Zema, A. Gazzaniga and **L.A. Felton**, Influence of Coating Conditions on the Release Performance of Colonic Systems Based on HPC Molded Capsules, Poster *American Association of Pharmaceutical Scientists Annual Meeting*, San Diego, CA, November, 2014.
65. D. Wafula, S. Saboo, C. Wiley, **L. Felton**, P. Muttill, A novel colorimetric method to evaluate the integrity of enteric coated capsules for rodents, Poster *American Association of Pharmaceutical Scientists Annual Meeting*, San Diego, CA, November, 2014.
66. **L. A. Felton**, C. J. Wiley, E. Macchi, G. S. Timmins, P. Johnson, P. Pandey, Influence of Temperature and Humidity on Lactose Crystallization in Hydroxypropyl Methylcellulose Films, Poster *American Association of Pharmaceutical Scientists Annual Meeting*, Orlando FL, November, 2015.
67. E. Macchi, L. Zema, A. Gazzaniga, **L. A. Felton**, Influence of Spray Rate on Release Performance of Enteric-Coated HPC-based Capsules, Poster *American Association of Pharmaceutical Scientists Annual Meeting*, Orlando FL, November, 2015.

68. E. Macchi, **L. A. Felton**, Temperature and Relative Humidity Conditions during Coating Processes: Evaluation of the Effect of the Microenvironment in the Pan on Different Tablet Substrates, Poster *American Association of Pharmaceutical Scientists Annual Meeting*, Orlando FL, November, 2015.
69. E. Macchi, **L. A. Felton**, Influence of Polymer Deposition on the Accuracy of Temperature and Relative Humidity Measurements Recorded by PyroButton Data Logging Devices, Poster *American Association of Pharmaceutical Scientists Annual Meeting*, Orlando FL, November, 2015.
70. **L.A. Felton**, D. Lauber, C.J. Wiley, Lactose Crystallization in Cellulosic and Acrylic Polymer Films, Poster *American Association of Pharmaceutical Scientists Annual Meeting*, Denver CO, November, 2016.
71. D.A. Lauber and **L.A. Felton**, Influence of the Physicochemical Properties of the Substrate on Polymer Deposition, Poster *Mountain West Society of Toxicology and the American Association of Pharmaceutical Scientists Rocky Mountain Discussion Group joint meeting*, Albuquerque NM, September 2017.
72. **L.A. Felton**, D. Lauber, E. Macchi, Tablet Hydrophobicity Influences Microenvironmental Conditions in the Pan During Coating Operations, Poster *American Association of Pharmaceutical Scientists Annual Meeting*, San Diego CA, November, 2017.

### ***Invited Presentations***

1. **L.A. Felton**, “The influence of excipients used in Eudragit L 30 D-55 polymeric coating suspensions on the amount of free salicylic acid in aspirin tablets”, Rohm GmbH, Darmstadt, Germany, August, 1994.
2. **L.A. Felton**, and J.W. McGinity. “Adhesion of an acrylic resin copolymer to pharmaceutical dosage forms”, Bristol-Myers Squibb, New Brunswick, New Jersey, June, 1998.
3. **L.A. Felton**. “GMP Manufacturing Facility”, The University of New Mexico Regents, Albuquerque, New Mexico, November, 1999.
4. **L.A. Felton**, “Manufacturing Challenges: Equipment, Production Planning, and Blinding Options”, Midwest Clinical Supply Group Meeting, Cincinnati, OH, May, 2000.
5. **L.A. Felton**, “Options for Blinding Tablets and Capsules”, Midwest Clinical Supply Group Meeting, Philadelphia, PA, April-May, 2001.
6. **L.A. Felton**, “Improving the photoprotective effects of existing sunscreens”, Fourth Annual Steve Schiff Symposium for Skin Cancer Research, Albuquerque, NM, June, 2002.
7. **L.A. Felton**, “Adhesion of aqueous-based polymeric films to pharmaceutical solid dosage forms”, British Pharmaceutical Conference, Manchester, England, September, 2002.
8. **L.A. Felton**, “Adhesion of aqueous-based polymeric films”, Colorcon Limited, Dartford, England, September, 2002.
9. **L.A. Felton**, “Challenges in Blinding Positive Control Oral Dosage Forms used in Comparison Clinical Trials”, Pacific Region Clinical Supplies (PARCS), San Francisco, CA, October, 2002.
10. **L.A. Felton**, “IP and Commercialization from a Faculty’s Perspective”, UNM HSC Research Council Retreat, Albuquerque, NM, January, 2003.

11. **L.A. Felton**, “Challenges and regulatory impact of blinding positive control (comparator) drug products: Modified release oral solids”, Drug Information Association 5<sup>th</sup> Workshop for Clinical Supplies, Atlanta, GA, March, 2003.
12. **L.A. Felton**, “Enteric Coating Technologies and Materials”, Workshop, Controlled Release Society Annual Meeting, Glasgow, Scotland, July, 2003.
13. **L.A. Felton**, “Career Opportunities in Pharmacy”, UNM Undergraduate Biomedical Research Association, Albuquerque, NM, November, 2003.
14. **L.A. Felton**, “Manufacturing Techniques for Blinding Clinical Trial Materials”, Clinical Supplies and Support Group, Philadelphia, PA, January, 2004.
15. **L.A. Felton**, “Case Study: Blinding Comparator Products”, AAPS Pharmaceutical Technologies Summer Conference, Cherry Hill, NJ, August, 2004.
16. **L.A. Felton**, “The Ins and Outs of Blinding Drugs and Comparators”, IIR-Sponsored Conference on Optimizing Clinical Trial Supply Chain Management, Las Vegas, NV, January, 2005.
17. **L.A. Felton**, “Film Coating of Oral Solid Dosage Forms”, Controlled Release Society, Italian Chapter Workshop (“Sistemi Terapeutici Orali a Rilascio Modificato”), Pavia, Italy, May 2005.
18. **L.A. Felton**, “Characterization of Coating Systems: A Material Science Approach”, AAPS 41<sup>st</sup> Annual Pharmaceutical Technologies Arden Conference, West Point, NY, January 2006.
19. **L.A. Felton**, “Coating and Controlled Release”, AAPS 41<sup>st</sup> Annual Pharmaceutical Technologies Arden Conference, West Point, NY, January 2006.
20. **L.A. Felton**, “Defining Manufacturing Strategies for Clinical Trial Materials”, Midwest Clinical Supply Group Meeting, Bernalillo, NM, May 2006.
21. **L.A. Felton**, Pharmaceutical Coating Technology: Overview of Pharmaceutical Coating, PTI’s Comprehensive Training on Formulation and Process Development for Oral Solid Dosage Forms, Princeton, NJ, April 2007.
22. **L.A. Felton**, “Coating for Controlled Release”, Chinese International Pharmaceutical Technologies Conference, Shanghai, China, May 2007.
23. **L.A. Felton**, “Characterization of Coating Systems: A Material Science Approach”, Chinese International Pharmaceutical Technologies Conference, Shanghai, China, May 2007.
24. **L.A. Felton**, “Pharmaceutical Film Coating Technologies”, Advances in New Drug Delivery Systems Workshop, Arab School of Science and Technology, Damascus, Syria, December 2007.
25. **L.A. Felton**, “Factors Influencing the Design of Controlled Release Systems”, Advances in New Drug Delivery Systems Workshop, Arab School of Science and Technology, Damascus, Syria, December 2007.
26. **L.A. Felton**, “Multiparticulate Drug Carriers for Modified Release”, Advances in New Drug Delivery Systems Workshop, Arab School of Science and Technology, Damascus, Syria, December 2007.
27. **L.A. Felton**, “Oral Modified Release Technologies”, Advances in New Drug Delivery Systems Workshop, Arab School of Science and Technology, Damascus, Syria, December 2007.
28. **L.A. Felton**, “Blinding Solid Dosage Forms for Use in Comparator Studies”, Center for Business Intelligence Inaugural U.S. Conference on Comparator Studies, Philadelphia, PA, March, 2008.

29. **L.A. Felton**, Pharmaceutical Coating Technology: Overview of Pharmaceutical Coating, PTI's Comprehensive Training on Formulation and Process Development for Oral Solid Dosage Forms, Princeton, NJ, April 2008.
30. **L.A. Felton**, "Successful Methodology and Lessons Learned in Blinding Oral Solid Comparator Products for Clinical Studies", Webinar hosted by ExL Pharma, July 31, 2008.
31. **L.A. Felton**, "*Strategies for the Preparation of Blinded Clinical Trial Materials*", Pacific Region Clinical Supplies (PARCS), San Francisco, CA, October, 2008.
32. **L.A. Felton**, "Principal Criteria for Polymer Selection in Modified-Release Multi-particulate Systems", Controlled Release Society, Vienna, Austria, March 24-25, 2009.
33. **L.A. Felton**, Pharmaceutical Coating Technology: Overview of Pharmaceutical Coating, PTI's Comprehensive Training on Formulation and Process Development for Oral Solid Dosage Forms, Princeton, NJ, April 2009.
34. **L.A. Felton**, "Film Coating for Oral Solid Dosage Forms", Evonik's Eudragit Workshop, New Brunswick, NJ, Sept 30-Oct 2, 2009.
35. **L.A. Felton**, "Coating Applications of Very Low Viscosity Hypromellose Polymers", Special Dow Presentation, Los Angeles, CA, November 8, 2009.
36. **L.A. Felton**, "Review of Materials Used in Film-Coating Formulations", Fundamental Issues that Impact Film Coating", and "Measuring Properties of Film Coatings and Assessing Film-Coated Products", European Continuing Education College, Pharmaceutical Coating Technology Course Sequence, London, U.K., May 2010.
37. **L.A. Felton**, Pharmaceutical Coating Technology: Overview of Pharmaceutical Coating, PTI's Comprehensive Training on Formulation and Process Development for Oral Solid Dosage Forms, Princeton, NJ, August-September 2010.
38. **L.A. Felton**, Drug Delivery: It's Complexed, UNM College of Pharmacy Dean's Lecture Series, Albuquerque, NM, September 22, 2010.
39. **L.A. Felton**, Film Coating Technologies for Modified Drug Release, 2<sup>nd</sup> International Colloquium: Challenges and Innovations in Pharmaceutical Research, hosted by the Universidad Autonoma del Estado de Morelos (UAEM), Mexico, December 1-3, 2010.
40. **L.A. Felton**, Innovative Blinding Techniques, Global Clinical Supplies Group Annual Meeting, Jacksonville, FL, April 3-6, 2011.
41. **L.A. Felton**, Challenges in Transdermal Drug Delivery, Future University International Conference on Pharmaceutical Technologies, Cairo, Egypt, February, 2012.
42. **L.A. Felton**, Strategies for Controlling Drug Release, Future University International Conference on Pharmaceutical Technologies, Cairo, Egypt, February, 2012.
43. **L.A. Felton**, Pharmaceutical Coating Technology: Overview of Pharmaceutical Coating, PTI's Comprehensive Training on Formulation and Process Development for Oral Solid Dosage Forms, Princeton, NJ, August, 2012.
44. **L.A. Felton**, Use of stable isotopes in pharmaceutical products for anti-counterfeiting purposes, Pittsburgh Conference (PittCon), Philadelphia, PA, March, 2013.
45. **L.A. Felton**, "Review of Materials Used in Film-Coating Formulations", Fundamental Issues that Impact Film Coating", and "Measuring Properties of Film Coatings and Assessing Film-Coated Products", European Continuing Education College, Pharmaceutical Coating Technology Course Sequence, London, U.K., May 2013.
46. **L.A. Felton**, "Combating Counterfeit Drug Products", New Mexico Society of Health Systems Pharmacists Balloon Fiesta Symposium, Albuquerque, NM, October 2013.

47. **L.A. Felton**, “A Novel Approach to Combat Counterfeit Drug Products”, Department of Pharmaceutical Sciences Seminar, Albuquerque, NM, October 2013.
48. **L.A. Felton**, “Modified Release Strategies to Overcome Oral Drug Delivery Challenges”, Future University International Conference of Pharmaceutical Sciences, Cairo, Egypt, February, 2015.
49. **L.A. Felton**, “Enteric Coating of Two-Piece Capsules for Colonic Drug Delivery”, Ashland Pharmaceutical Center of Excellence Film Coating for the 21<sup>st</sup> Century Symposium, Wilmington, DE, April, 2015.
50. **L.A. Felton**, “Influence of Processing Conditions on Enteric Coating of Gelatin and HPC-based Capsules”, Evonik Meets Science, Jersey City, NJ, September, 2015.
51. **L.A. Felton**, “Understanding Coating Processes”, DVA Forum, Mexico City, Mexico, July, 2017.
52. **L.A. Felton**, “Polymers for Taste Masking Applications”, Mountain West Society of Toxicology and the American Association of Pharmaceutical Scientists Rocky Mountain Discussion Group joint meeting, Albuquerque, NM, September 2017.
53. **L.A. Felton**, J. McConville, and P. Muttil, “Overcoming challenges in drug delivery”, University of New Mexico Clinical and Translational Science Center Synergy Meeting series, Albuquerque, NM, April 2018.

### ***Patents and Invention Disclosures***

1. “Sustained release topical delivery system”, Lead Inventor: L.A. Felton; invention disclosure released from Science and Technology Corporation to inventors.
2. “Water resistant modified cyclodextrin carrier system”, Lead Inventor: G.S. Timmins; provisional patent filed, intellectual property released from Science and Technology Corporation to inventors.
3. “Formulation and dosage forms of glucosamine, chondroitin, and glucosamine/chondroitin combination for people with osteoarthritis”, Lead Inventor: L.A. Felton; invention disclosure filed with Science and Technology Corporation at UNM and Department of Veterans Affairs Technology Transfer Program; provisional patent (UNM MC-334) filed 11/14/05; utility patent filed 11/12/06.
4. “Labeling of Pharmaceutical Excipients to Provide Internal Coding of Drug Dosage Forms and Allow Detection Of Counterfeit Products”, Lead Inventor: G.S. Timmins; provisional patent (MC-473) filed February 2010.
5. “Tyrosine Kinase Inhibitor Transdermal Formulations and Methods of Treatment”, Lead Inventor: M. Houman Fekrazad; provisional patent (N12-158prv) filed March 2010.
6. “Porous Nanoparticle-Supported Lipid Bilayers (Protocells) for Targeted Delivery Including Transdermal Delivery of Cargo and Methods Thereof”, International patent (PCT/US12/60072) filed October 2012; issued US Patent application 2015/0272885 A1.
7. “Antibiotic Protocells and Related Pharmaceutical Formulations and Methods of Treatment”, provisional patent filed April 2, 2014.
8. “Aqueous-based two step spray drying as a taste masking drug delivery platform”, Lead Inventor: L.A. Felton; provisional patent filed 11/30/17.

### ***Memberships, Licensures, Honors***

Evonik Award 2016, selected in recognition of outstanding publication “Influence of temperature and relative humidity conditions during pan coating on the characteristics of hydroxypropyl cellulose molded capsules” published in *European Journal of Pharmaceutics and Biopharmaceutics*.

Teacher of the Year, UNM College of Pharmacy, PS Yr 1, 2007, 2010, 2011

International Society for Pharmaceutical Engineering, 2001-present

Drug Information Association, 1999-2003

Controlled Release Society, 1998-present

American Association of Colleges of Pharmacy, 1997-2004

American Association of Pharmaceutical Scientists, 1992-present

FD&C Division of the American Society for Quality Control Scholarship, 1995

Phi Kappa Phi Honor Society, 1994

University of Texas Fellowship, 1993

Registered Pharmacist, Texas (#29292)

Texas Pharmaceutical Association, 1983

Phi Delta Chi Pharmacy Fraternity, 1983

Rho Chi Honor Society, 1983

### ***Didactic Courses Currently Taught at UNM***

802-Physical Pharmacy and Biopharmaceutics (3 credits); IOR 2016-2017; 18-20 lectures

824-Pharmaceutical Dosage Forms (3 credits); 5-14 lectures

701-Pharmaceutics I (3 credit hours); IOR; 14-16 lectures

702-Pharmaceutics II (3 credit hours); IOR; 14-16 lectures

576-Graduate Pharmacology (1 credit); 2 lectures (2 hrs each) covering pharmacokinetics; 1 lecture covering drug discovery and development

498/598-Drug Product Development (2 credit hours); 4 lectures (2 hrs each) covering product quality, modified release systems, and drug solubility

### ***Professional Service***

#### Editorial/Advisory board member

International Pharmaceutical Excipients Council-Americas Foundation Scientific Advisory Committee, 2017-2020

Editor, Aqueous Polymeric Coatings for Pharmaceutical Dosage Forms, 4<sup>th</sup> edition, CRC Press, 2016.

AAPS PharmSciTech Journal, Editorial Advisory Board, 2015-present.

Journal of Drug Delivery Science and Technology, Editorial Advisory Board, 2015-present.

Drug Development and Industrial Pharmacy Journal, 2001 to present; Book Review Editor, 2003 to 2004; Review Editor, (Books and Manuscripts), 2004 to 2014

Remington: Essentials of Pharmaceutics, Editor, Pharmaceutical Press, 2013

Remington: The Science and Practice of Pharmacy, Manufacturing Section, 22<sup>nd</sup> edition, Pharmaceutical Press, 2012

American Association of Pharmaceutical Scientists PharmSci Tech journal, guest co-editor for theme issue on modified release technologies, 2010-2011.

Co-Editor, Aqueous Polymeric Coatings for Pharmaceutical Dosage Forms, 3<sup>rd</sup> edition, Informa Healthcare, 2008



American Association of Pharmaceutical Scientists Newsmagazine Content Advisory Committee, Pharmaceutical Technology Section, 2002 to 2006; Chair, 2005  
Remington's: The Science and Practice of Pharmacy, Manufacturing Section, 21<sup>st</sup> edition, 2005

#### Reviewer

Pharmaceutics, Manuscripts  
Molecular Pharmaceutics, Manuscripts  
European Journal of Pharmaceutics and Biopharmaceutics Journal, Manuscripts  
Drug Development and Industrial Pharmacy Journal, Manuscripts  
European Journal of Pharmaceutical Sciences Journal, Manuscripts  
Pharmaceutical Development and Technology Journal, Manuscripts  
Journal of Controlled Release, Manuscripts  
International Journal of Pharmaceutics, Manuscripts  
Journal of Drug Delivery Science and Technology, Manuscripts  
Journal of Pharmacy and Pharmaceutical Sciences, Manuscripts  
Journal of Pharmaceutical Sciences, Manuscripts  
Journal of Pharmacy and Pharmacology, Manuscripts  
Pharmaceutical Research, Manuscripts  
AAPS Journal, Manuscripts  
AAPS PharmSci Tech, Manuscripts  
Regulatory Toxicology and Pharmacology, Manuscripts  
Methods & Findings in Experimental and Clinical Pharmacology, Manuscripts  
American Society of Health-Systems Pharmacists PharmPrep-Case Based Board Review, 2<sup>nd</sup> edition  
Western Alliance to Expand Student Opportunities (WAESO) Undergraduate Activities Committee Member, Proposals

#### Other Professional Service

Moderator (and session organizer), The Science of Taste and Taste Masking, *American Association of Pharmaceutical Scientists Annual Meeting*, San Diego, CA, November, 2017  
Focus Group Liaison for the Formulation Design and Development Section of the American Association of Pharmaceutical Scientists, 2017  
Member, American Association of Pharmaceutical Scientists Annual Meeting Programming Committee for Theme C, 2016-2017  
Focus Group Liaison, Formulation Design and Development Section of the American Association of Pharmaceutical Scientists, 2016-2019  
Secretary/Treasurer (elected), Formulation Design and Development Section of the American Association of Pharmaceutical Scientists, 2014-2016  
American Association for the Advancement of Science Research Competitiveness Program, Research Proposal ad hoc reviewer, 2014  
NIH/NIAID Small Business Innovation Research (SBIR) ad hoc reviewer, 2014  
NSF ad hoc reviewer, Engineering Research Center Proposals, 2013

Member, American Association of Pharmaceutical Scientists Annual Meeting Open Forum Programming Committee, 2013

Moderator (and session organizer), Emerging Trends in Pharmaceutical Film Coating Operations (symposium with continuing education credit), *American Association of Pharmaceutical Scientists Nineteenth Annual Meeting*, Chicago, IL, October, 2012.

Future University in Egypt Audit Team Member, 2012, 2013, and 2015

Member, American Association of Pharmaceutical Scientists Modified Release Focus Group Steering Committee, 2006 to present

Invited Participant, Alliance for Contraception in Cats & Dogs Scientific Think Tank, April 17-19, 2012

Chair, Travelship Awards Selection Committee, American Association of Pharmaceutical Scientists Modified Release Focus Group, 2011:

Member, Programming Subcommittee, American Association of Pharmaceutical Scientists Modified Release Focus Group, 2007:

NIH Ad Hoc Study Section Reviewer (BMBI), September 2010

NSF Site Review Team Member (ERC Center for Structured Organic Particulate Systems), 2009-2014

NIH Ad Hoc Study Section Reviewer (BMBI), October 2006

NIH Ad Hoc Study Section Reviewer (PCRADD), October 2006

Moderator, Achieving uniformity in film coating processes (Roundtable Discussion), *American Association of Pharmaceutical Scientists Nineteenth Annual Meeting*, San Antonio, Texas, October, 2006.

Member, American Association of Pharmaceutical Scientists Pharmaceutical Technology Programming Committee, 2005

Member, American Association of Pharmaceutical Scientists Pharmaceutical Technology Arden House Programming Committee, 2005

Member, American Association of Pharmaceutical Scientists Pharmaceutical Technology Programming Committee 2004

Moderator, Recent Advances in Film Coating Symposium, *American Association of Pharmaceutical Scientists Nineteenth Annual Meeting*, Baltimore, Maryland, November, 2004.

Co-Chair, Planning Committee, and Session Moderator, AAPS Pharmaceutical Technologies Summer Conference: Optimizing the Global Clinical Supply Process, August 15-20, 2004, Cherry Hill, NJ.

Member, American Association of Pharmaceutical Scientists Pharmaceutical Technology Awards Committee, 2004

Member, American Association of Pharmaceutical Scientists 2003 Leadership Team, Chair of Short Courses

Member, Annual Steve Schiff Skin Cancer Symposium Planning Group, 2002

Member, American Association of Pharmaceutical Scientists Pharmaceutical Technology Awards Committee, 2002

Member, American Association of Pharmaceutical Scientists Pharmaceutical Technology Programming Committee 2000-2001

Judge, American Pharmaceutical Association Patient Counseling Competition, 1999-2000

Pharmaceutical Technology Champions Representative for the University of New Mexico, 1998  
to present  
American Association of Colleges of Pharmacy Delegate (alternate), 1998-99