

CAREER SUMMARY

Pharmaceutical research professional, consultant, pharmacist and teacher with hands-on experience with the pharmaceutical product lifecycle from discovery support to post-marketing including preclinical, clinical, medical information and retail pharmacy. Subject Matter Expert (SME) on medical information for the orphan drug KUVAN (sapropterin) for phenylketonuria; NAGLAZYME (galsulfase), VIMIZIM (elosulfase alfa), ALADURAZYME (laronidase) and related enzyme replacement therapies for mucopolysaccharidosis and lysosomal storage disorders; AGRYLIN/XAGRID (anagrelide) for essential thrombocythemia; KYPROLIS (carfilzomib) proteasome inhibitor; INCRELEX (mecasermin) for IGF-1 deficiency; transdermal fentanyl patches for pain control; and medical device neuromodulation products (spinal cord stimulator and intrathecal drug delivery pump) used for pain relief and control of spasticity.

Expertise developed in drug sample preparation, medical information, medical writing (late stage), drug safety (pharmacovigilance), literature searching, drug metabolism, toxicology, pharmacology, technical writing, product development and commercialization, research & development, technical service, academic teaching, and training laboratory staff in automation of drug sample preparation methodologies.

Highly regarded author and educator, with a body of work that includes a 600-page authoritative reference book on drug sample preparation (second edition in press), 20 publications in journals, 6 book chapters, dozens of technical application notes, instructions for use, and numerous

product brochures for sales and marketing of sample preparation products used in pharmaceutical bioanalytical laboratories; experienced presenter.

Proven record of scientific investigation to solve analytical problems related to medical conditions and diseases. Expertise in working with clients in scientific/medical research to solve problems through the use of new technologies, processes, and products. Proven ability to network with key opinion leaders and lead a team of professionals toward achievement of department goals.

EDUCATION

University of Kentucky College of Pharmacy, Lexington, KY

PH.D., TOXICOLOGY

Doctoral Thesis: "N-Methyl-2-Pyrrolidinone: Radiochemical Synthesis, Disposition and Metabolism in the Rat." *Advisor:* Dr. George A. Digenis, Division of Medicinal Chemistry, University of Kentucky.

Ohio Northern University, Ada, OH

B.S., PHARMACY

MODIFIED MAJOR IN CHEMISTRY

PROFESSIONAL EXPERIENCE

Wells Medical Research & Support Services, Orange County, CA
FOUNDER AND PRINCIPAL CONSULTANT

2013/September–Present

Currently providing independent contracted services to support the pharmaceutical, medical device and scientific research industries in the areas of: Research and Product Development, Medical Information, Medical Affairs, Medical and Scientific Writing, Drug and Device Safety, Drug Sample Preparation, Bioanalytical Method Development and Automation, and Training of Laboratory Staff.

Medical Affairs or Medical Information activities are supported by acting as a Subject Matter Expert (SME) for a drug or product line in the areas of medical writing (late stage), drug safety (pharmacovigilance), literature searching, current awareness reports, staff training, performing as liaison to a call center, preparation of slide decks, manuscript preparation, custom response letters, core standard response documents, commercial and regulatory review of documents, call metrics, FAQs, and various projects such as preparing for trade shows and a new drug launch.

Support for bioanalytical drug sample preparation is provided in the form of on-site education and training of staff, teaching bioanalytical method development, implementing or enhancing automation capabilities, writing manuscripts, solving analytical challenges, developing new products, and managing technical service activities. <http://wellsmedicalresearch.com/>

ProPharma Group Pharmaceutical Call Center, St. Paul, MN 2006-2013/August

ProPharma Group is an outsourced call center that provides medical information, the intake and recording of adverse events, and the processing of product complaints on behalf of several dozen pharmaceutical companies.

SENIOR MANAGER, MEDICAL INFORMATION (2008-2013)

MANAGER, PHARMACOVIGILANCE AND MEDICAL INFORMATION (2006-2008)

Managed all aspects of medical information fulfillment including writing medical response letters, preparing publication alerts, creating monthly medical information call reports, managing bibliographic resources and reviewing cases for quality assurance. Performed intake and follow-up on adverse drug events. Conducted drug information training for call center staff. Served as Preceptor to Pharm.D. candidates on drug information rotations and as a Mentor to first-year pharmacy students.

- Subject Matter Expert for two dozen Pharma clients including Taro, Actavis, Spectrum, Westwood, Bioniche, Mutual, AR Scientific, and Horizon
- Performed as a dedicated resource to BioMarin Pharmaceutical's Medical Affairs Department for six years.
- Trained as a global Subject Matter Expert on behalf of BioMarin for orphan drugs to treat phenylketonuria, LEMS, lysosomal storage disorders, enzyme replacement therapy and mucopolysaccharidosis, and was the call center liaison to BioMarin on a daily basis.
- Served as lead to rewrite 15 medical letters for KUVAN (and in an editorial role for all other programs' medical letters) and updated all supporting resources including knowledge base documents, call center training materials, and task descriptions for the KUVAN and NAGLAZYME programs on behalf of BioMarin.
- Wrote every single custom response for KUVAN and NAGLAZYME to health care professionals and the public, and collaborated with BioMarin staff around the globe to provide appropriate medical information responses.
- Maintained the global bibliographic database for BioMarin for marketed drug programs and R&D programs and searched the literature weekly, sending out current awareness searches to a global distribution list.
- Prepared slide decks and presentation materials for BioMarin use in training.
- Trained call center specialists on BioMarin marketed drugs and reviewed cases daily for compliance, accuracy and embedded adverse events; maintained call metrics and prepared monthly reports.
- Performed QA review of all BioMarin inquiries for drug safety and product complaints.
- Recognized as the in-house expert on researching the medical literature for adverse event reports (drugs and devices) and the preparation of reports for the FDA on medical device safety (Boston Scientific and Medicis as clients).

- Experienced in the pharmacovigilance of marketed drug products & medical devices; prepared MedWatch forms and MedDRA coding of adverse events for pharmaceutical clients
- Developed a five-week training program for senior Pharm.D. students as part of their externship in Drug Information.

Northwestern Health Sciences University, Bloomington, MN **2013–Present**
ADJUNCT LECTURER OF PHARMACOLOGY

Instruct Pharmacology to chiropractic students (130 students fall term, 60 students winter term).

University of Minnesota College of Pharmacy, Minneapolis, MN **2008–2015**
MENTOR

Volunteered as a mentor for first-year Pharmacy students, requiring a minimum of 10 hours per student. Program Administrator: Dr. Bruce Benson, University of Minnesota College of Pharmacy

Creighton University, Omaha, NE **2006–2013**
PHARMACY PRECEPTOR

Trained senior Pharm.D. students during a five-week Advanced Pharmacy Practice Experience (APPE) rotation in Drug Information. Designed and taught the curriculum, coached students, and provided written evaluations.

Rasmussen College, Bloomington, MN **2010–2011**
ADJUNCT FACULTY MEMBER

Instructed Pharmacology online for three quarters—two class sections per quarter.

Target Pharmacy, Minnetonka, MN **2004–2010**

STAFF PHARMACIST, FULL-TIME (2004–2006)

RELIEF PHARMACIST, EVENINGS (2002–2010)

With a weekly script volume of 2,800, this store was in the top ten of all Target pharmacies in the country. Developed, coached, and mentored pharmacy technicians, two of whom graduated from pharmacy school in 2012.

Sample Prep Solutions Company, St. Paul, MN **1999–2004**

Consulting business provided education and training services in bioanalytical drug sample preparation for LC-MS/MS analyses using high-throughput, automated techniques. Since fall of 2013, business became a part of the services offered by Wells Medical Research.

FOUNDER AND PRINCIPAL SCIENTIST

Founded a company to conduct on-site consulting, train scientists on high throughput drug sample preparation techniques, assist companies with product development, and teach workshops. Developed productive working relationships with key opinion leaders and influential scientists at pharmaceutical companies, contract research laboratories, and manufacturers of sample preparation products and analytical equipment.

- Wrote the first—and still the most highly regarded—authoritative reference book on drug sample preparation, receiving feedback from the editor that it was the best camera-ready book he had received in 20 years of book editing. *High Throughput Bioanalytical Sample Preparation: Methods and Automation Strategies*, Elsevier, 2003 (2nd Edition, in press, 2017).
- Became recognized worldwide as a SME on drug sample preparation; contributed to book chapters on the subject; consulted with drug companies and contract research laboratories.
- Collaborated with a client to develop a commercial extraction kit used to concentrate trace chemicals from 50-gallon liquid drums to identify bioterrorism threats during Iraq War.

Supervalu Corporation, Cub Pharmacy, Minneapolis, MN **1998–2015**
RELIEF PHARMACIST, PART-TIME

Shoppers North Drug, North Saint Paul, MN **1989-1996**
RELIEF PHARMACIST, EVENINGS

3M Company, New Products Department, St. Paul, MN **1990-1998**

TECHNICAL SERVICE SUPERVISOR (1996-1998)

TECHNICAL SERVICE SPECIALIST (1993-1996)

SENIOR PRODUCT DEVELOPMENT BIOCHEMIST (1990-1993)

Served as the primary scientific and information support resource for Empore® sample preparation products marketed to pharmaceutical research scientists. Responded to telephone calls, logged customer demographics and follow up, conducted on-site customer visits, created first website, and developed applications in-house with customers. Managed cross-functional business development team and evaluated new business opportunities.

- Played a key role in developing and commercializing a new drug sample preparation technology, in collaboration with scientists and engineers, and introducing more than 12 product line extensions and helping the business grow by \$12M annually.
- Spearheaded the development and commercialization of a 96-well plate product for pharmaceutical bioanalytical customers, racing against a European company to be the first to successfully launch such a product. Received the 3M *Circle of Technical Excellence* award for efforts on the project, which resulted in the division's highest profile program with financially successful product line extensions.
- Served as global SME on 3M Empore technology and trained 3M employees and distributors worldwide.

3M Pharmaceuticals, Drug Metabolism Department, St. Paul, MN **1986-1990**

SENIOR BIOCHEMICAL PHARMACOLOGIST

- Participated on the project development team for the immunomodulator antiviral drug ALDARA from a drug metabolism perspective.
- Researched new technologies and instrumentation in the drug metabolism field and convinced management to adopt the new techniques, which advanced the department's capabilities.

Wells Professional Pharmacy, Bellbrook, OH **1982-1986**

RELIEF PHARMACIST

PROFESSIONAL LICENSURE & AFFILIATIONS

Registered Pharmacist, Ohio and Minnesota
American Association of Pharmaceutical Scientists (AAPS)
Drug Information Association (DIA)
Society for Laboratory Automation (SLA)

PATENT

U.S. Patent No. 5,472,600, "Gradient Density Prefilters," Peter Ellefson and David Wells, issued December 5, 1995.

PUBLICATIONS & PRESENTATIONS

Books:

Wells DA. *High Throughput Bioanalytical Sample Preparation: Methods and Automation Strategies*. Amsterdam: Elsevier; 2003. Progress in Pharmaceutical and Biomedical Analysis; vol. 5. ISBN 0-444-51029-X (hardbound), ISBN 978-0-444-51029-7 (online), 628 pages.

Wells DA. *High Throughput Bioanalytical Sample Preparation: Methods and Automation Strategies, Second Edition*. Amsterdam: Elsevier. *In Press*.

Book Chapters/Contributions:

Wells DA. Classical Solid-Phase Extraction. In: Wilson ID, Cooke M, Poole CF, eds. *Encyclopedia of Separation Science*. London: Academic Press; 2000: 4135-4141. ISBN 0-12-226770-2 (Ten Volume Set). Electronic book version updated 2015.

Wells DA. Bioanalytical Solid-Phase Extraction. In: Wilson ID, Cooke M, Poole CF, eds. *Encyclopedia of Separation Science*. London: Academic Press; 2000: 2142-2146. ISBN 0-12-226770-2 (Ten Volume Set). Electronic book version updated 2016.

Wells DA, Lloyd TL. Automation of Sample Preparation for Pharmaceutical and Clinical Analysis. In: Pawliszyn J, ed. *Sampling and Sample Preparation for Field and Laboratory*. Amsterdam: Elsevier; 2002: 837-868. Comprehensive Analytical Chemistry: Sampling and Sample Preparation for Field and Laboratory; vol 37. ISBN 0-444-50510-5 (hardbound), 0-444-50511-3 (paperback), 978-0-444-50510-1 (online), 1160 pages.

Wells DA. Sample Preparation for Drug Discovery Bioanalysis. In: Lee MS, ed. *Integrated Strategies for Drug Discovery Using Mass Spectrometry*. Hoboken, New Jersey: Wiley-Interscience; 2005: 477-510, doi:10.1002/0471721034.ch17. ISBN 0-471-46127-X (hardbound), 568 pages.

Wells DA. 2.28 - LC Automation. In: Pawliszyn J, ed. *Comprehensive Sampling and Sample Preparation: Analytical Techniques for Scientists*. Volume 2. Amsterdam, The Netherlands: Academic Press; 2012:613-648. Print ISBN: 978-0-12-381373-2; Electronic ISBN: 978-0-12-381374-9; 3,200 pages in 4 Volumes.

Wells DA. Sample preparation for mass spectrometry applications. In: Rifai N, Horvath R, and Wittwer C, eds. *Tietz Textbook of Clinical Chemistry and Molecular Diagnostics, Sixth Edition*. Philadelphia, Pennsylvania: W.B. Saunders. *In Press* (publication date: February 2017).

Publications:

Wells DA, Chaney JE, Digenis GA. Synthesis of [4-³H]-2-Pyrrolidinone, [4-³H]-N-Methyl-2-pyrrolidinone and N-[¹⁴C-Methyl]-2-pyrrolidinone. *Journal of Labelled Compounds and Radiopharmaceuticals* 1985;22(4):367-381.

Wells DA, Garbolas GA, Digenis GA. Analysis of the Radiochemical Purity of [¹⁴C]Chloroform and Dibromo [1,2-¹⁴C₂]ethane by Radiomonitored High-Performance Liquid Chromatography. *Journal of Chromatography A* 1986;356:367-371.

Digenis GA, Wells DA, Ansell JM, Blecher L. Disposition of [¹⁴C]Povidone after Oral Administration to the Rat. *Food and Chemical Toxicology* 1987;25(3):241-243.

Wells DA, Thomas HF, Digenis GA. Evaluation of the Mutagenicity of N-Methyl-2-pyrrolidinone and 4-(Methylamino)butanoic acid in the Ames Salmonella/Microsome Assay. In: Digenis, GA, ed. Proceedings of the 2nd International Symposium on Povidone; April 1987: 367-378; Lexington, Kentucky.

Wells DA, Digenis GA. Disposition of N-Methyl-2-pyrrolidinone in the Rat. In: Digenis, GA, ed. Proceedings of the 2nd International Symposium on Povidone; April 1987: 379-388; Lexington, Kentucky.

- Wells DA, Digenis GA. Disposition and Metabolism of Double-Labeled [³H and ¹⁴C] N-Methyl-2-pyrrolidinone in the Rat. *Drug Metabolism and Disposition* 1988;16(2):243-249.
- Wells DA, Thomas HF, Digenis GA. Mutagenicity and Cytotoxicity of N Methyl-2-pyrrolidinone and 4-(Methylamino) butanoic acid in the Salmonella/Microsome Assay. *Journal of Applied Toxicology* 1988;8(2):135-139.
- Wells DA, Hawi AA, Digenis GA. Isolation and Identification of the Major Urinary Metabolite of N-Methylpyrrolidinone in the Rat. *Drug Metabolism and Disposition* 1992;20(1):124-126.
- Wells D, Goken G. Chemical Separation Technology Reduces Hazardous Solvent Usage. *Pollution Prevention* 1992;2(5):42-44.
- Wells DA, Lensmeyer GL, Wiebe DA. Particle-Loaded Membranes as an Alternative to Traditional Packed-Column Sorbents for Drug Extraction: In Depth Comparative Study. *Journal of Chromatographic Science* 1995;33(7):386-392.
- Benson LM, Tomlinson AJ, Mayeno AN, Gleich GJ, Wells D, Naylor S. Membrane Preconcentration-Capillary Electrophoresis-Mass Spectrometry (mPC-CE-MS) Analysis of 3-Phenylamino-1,2-Propanediol (PAP) Metabolites. *Journal of High Resolution Chromatography* 1996;19(5):291-294.
- Janiszewski J, Schneider RP, Hoffmaster K, Swyden M, Wells D, Fouda H. Automated Sample Preparation Using Membrane Microtiter Extraction for Bioanalytical Mass Spectrometry. *Rapid Communications in Mass Spectrometry* 1997;11(9):1033-1037.
- Simpson H, Berthemy A, Buhrman D, Burton R, Newton J, Kealy M, Wells D, Wu D. High Throughput Liquid Chromatography Mass Spectrometry Bioanalysis Using 96-Well Disk Solid Phase Extraction Plate for the Sample Preparation. *Rapid Communications in Mass Spectrometry* 1998;12(2):75-82.
- Pauwels A, Wells DA, Covaci A, Schepens PJC. An Improved Sample Preparation Method for Organochlorine Pesticides and Polychlorinated Biphenyls in Spiked Human Serum Using Solid-Phase Disk Extraction with GC-MS Analysis. *Journal of Chromatography B: Biomedical Sciences and Applications* 1999;723(1-2):117-125.
- Wells DA. 96-Well Plate Products for Solid Phase Extraction. *LC/GC North America* 1999;17(7):600-610. Reprinted In: *LC/GC Europe* 1999;12(11):704-715.
- Wells DA. Accessory Products for Solid-Phase Extraction Using 96-Well Plates. *LC/GC North America* 1999;17(9):808-822. Reprinted In: *LC/GC Europe* 2000;13(3):158-171.
- Wells DA, Herron LL. Automation of Sample Preparation for Genomics. *LC/GC North America* 2002;20(5):416-428. Reprinted In: *LC/GC Europe* 2002;15(11):712-720.
- Wells DA, Weil DA. Directions in Automated Sample Preparation of Proteins. *LC/GC North America* 2003;21(6):522-538. Reprinted In: *LC/GC Europe* 2003;16(11):2-9. Reprinted In: *PharmaGenomics* 2003;November/December:42-54.
- Turbeville S, Wells DA, Hornfeldt CS. Providing Medical Information for Orphan Drugs. *Drug Information Journal* 2012;46(1):88-93.
- Turbeville S, Wells DA, Wolfus C. Google Glass — A User's Guide in Healthcare. *Pharmaceutical Executive* 2014 (August 1, 2014).

Invited Presentations:

"Research in Medicinal Chemistry," Arts and Sciences Alumni Speaker Series, Ohio Northern University, Ada, Ohio, October 1989.

"Innovations Using Empore™ Particle-Loaded Membranes for Drug Extraction," Eastern Analytical Symposium, Solid-Phase Extraction Workshop, Somerset, New Jersey, November 1994.

"Sample Preparation Techniques: Clinical Applications," Minnesota Chromatography Forum, Short Course, Minneapolis, Minnesota, April 1996.

"Sample Preparation Methodologies and Bioanalytical Trends in the Pharmaceutical Industry," Graduate Program in Pharmaceutics, Seminar Series, University of Minnesota College of Pharmacy, Minneapolis, Minnesota, April 1997.

"Advances in Sample Preparation Techniques for High Throughput Pharmaceutical Bioanalysis," Eighth International Symposium on Pharmaceutical and Biomedical Analysis, Orlando, Florida, May 1997.

"96-Well Solid-Phase Extraction Techniques and Applications," Chromatography Symposium, Sponsored by Johnson & Johnson Companies, Princeton, New Jersey, September 1997.

"96-Well Solid-Phase Extraction Techniques for High Throughput Pharmaceutical Bioanalysis," Finnigan User Group Meeting, Philadelphia, Pennsylvania, November 1997.

"Recent Advances in Bioanalytical Sample Preparation Techniques using 96-Well Plates," 38th Annual Eastern Analytical Symposium, Somerset, New Jersey, November 1999.

"New Formats and Accessories for High Throughput Assays Using 96-Well Plates," SamPrep 5th International Conference on Sample Preparation, Las Vegas, Nevada, January 2000.

"Advances in Bioanalytical Sample Preparation Techniques in the Pharmaceutical Industry," Hamline University, St. Paul, Minnesota, March 2000.

"Solid-Phase Extraction Workshop," Minnesota Chromatography Forum Spring Symposium, 2-Day Short Course, Minneapolis, Minnesota, May 2004.

"Solid-Phase Extraction Workshop," Minnesota Chromatography Forum Spring Symposium, 2-Day Short Course, Minneapolis, Minnesota, May 2005.

Submitted Abstracts and Presentations:

Jay M. Ansell, Judy S. McClanahan, David A. Wells and George A. Digenis, "Pharmacokinetics of N-Substituted Pyrrolidinones," International Conference on Organic Solvent Toxicity, Stockholm, Sweden, October 1984. Poster presentation

David A. Wells and George A. Digenis, "Disposition and Metabolism of N-Methyl-2- Pyrrolidone in the Rat," Society of Toxicology Annual Meeting, San Diego, California, March 1985. Poster presentation

David A. Wells and George A. Digenis, "Disposition and Metabolism of N-Methyl-2-Pyrrolidone in the Rat," American Society for Pharmacology and Experimental Therapeutics, and American Chemical Society-Division of Medicinal Chemistry, Joint Annual Meeting, Boston, Massachusetts, August 1985. Poster presentation

David A. Wells and George A. Digenis, "Disposition of N-Methyl-2-pyrrolidinone in the Rat," 2nd International Symposium on Povidone, Lexington, Kentucky, April 1987. Oral presentation

David A. Wells, Amale Hawi and George A. Digenis, "Identification of a Major Metabolite of N-Methyl-2-pyrrolidinone in the Rat," American Association of Pharmaceutical Scientists 3rd Annual Meeting, Orlando, Florida, October-November 1988. Poster presentation

David A. Wells, Roy L. McQuinn and Kathleen A. Rhode, "Disposition and Pharmacokinetics of R-837, a New Antiviral, in Monkeys," American Association of Pharmaceutical Scientists 3rd Annual Meeting, Orlando, Florida, October-November 1988. Oral presentation

Roy L. McQuinn, David A. Wells et al., Use of Empore Extraction Disks for Preparative Purification and Concentration of Imiquimod and Metabolites from Large Volumes of Urine, SOFT/CAT Meeting, Phoenix, Arizona, October 1993. Poster presentation

Gary L. Lensmeyer, Donald A. Wiebe and David A. Wells, "Comparative Study of Solid-Phase Extraction Using Particle-Loaded Membranes and Large Particle Packed Columns for the Extraction of Mexiletine and Flecainide from Serum," Pittsburgh Conference, Chicago, Illinois, February/March 1994. Oral presentation

David A. Wells, Karl E. Benson and Peter J. Ellefson, "Reduced Elution Volume Requirements of Solid-Phase Extraction Membranes Compared with Large Particle Packed Columns Demonstrated for the Isolation of Flecainide from Plasma," Pittsburgh Conference, Chicago, Illinois, February/March 1994. Poster presentation

Gary L. Lensmeyer, Donald A. Wiebe and David A. Wells, "Extraction of Amiodarone and Desethylamiodarone from Serum Using Particle-Loaded Membranes: Method Optimization and Comparison to Large Particle SPE Columns," Pittsburgh Conference, Chicago, Illinois, February/March 1994. Poster presentation

David A. Wells, "Innovations Using Particle-Loaded Membranes for Bioanalytical Sample Preparation," 6th International Symposium on Pharmaceutical and Biomedical Analysis, St. Louis, Missouri, April 1995. Poster presentation

David Wells, Craig Markell and Peter Ellefson, "A New Format for the Solid-Phase Extraction of Drugs and Metabolites from Biological Fluids," International Symposium on Capillary Chromatography and Electrophoresis, Wintergreen, Virginia, May 1995. Poster presentation

Peter J. Ellefson and David A. Wells, "Use of Empore Extraction Disk Cartridges to Extract Tricyclic Antidepressant Drugs from Human Serum: Direct Injection of Eluate," American Association for Clinical Chemistry 47th National Meeting, Anaheim, California, July 1995. Poster presentation

Theresa A. Dirksen and David A. Wells, "A New Approach to Solid-Phase Extraction of Drugs and Metabolites with Capability for In-Line LC/MS Analysis," 4th International Symposium on Hyphenated Techniques in Chromatography, Brugge, Belgium, February 1996. Poster presentation

Karla Walker and David A. Wells, "Comprehensive Drug Screening in Urine Using Solid-Phase Extraction," Pittsburgh Conference, Chicago, Illinois, March 1996. Poster presentation

David A. Wells and Karl E. Benson, "Elimination of the Evaporation Step in SPE Methods Using Particle-Loaded Membranes," Pittsburgh Conference, Chicago, Illinois, March 1996. Poster presentation

David A. Wells and Karl E. Benson, "Effects of Analyte, Sorbent and Matrix on Capacity of Solid-Phase Extraction Materials," Pittsburgh Conference, Chicago, Illinois, March 1996. Oral presentation

George Hutchinson, Richard Abbott, David Wells and Christophe Fraudeau, "Automated Sample Preparation for Bio Analytical LC/MS and LC/MS/MS," Pittsburgh Conference, Chicago, Illinois, March 1996. Poster presentation

David Wells, "Empore Disk-Based Solid-Phase Extraction Techniques," Minnesota Chromatography Forum Spring Symposium, Minneapolis, Minnesota, April 1996. Oral presentation

Linda Benson, Arthur Mayeno, David Wells, Andy Tomlinson, Gerald Gleich and Stephen Naylor, "Membrane PC-CE-MS Analysis of 3-Phenylamino-1,2-Propanediol (PAP) Metabolites," 44th Annual ASMS Conference, Portland, Oregon, May 1996. Poster presentation

David Johnson, David Wells, Doug Hanggi, Rich Pieper and Gary Lensmeyer, "Analysis of Lamotrigine, Phenytoin, Carbamazepine and Epoxide in Serum Using Solid-Phase Disk Extraction and Analysis on a Zirconia-Based Reversed Phase Column," 7th International Symposium on Pharmaceutical and Biomedical Analysis, Osaka, Japan, August 1996. Poster presentation

David Wells, Jonathan Butwinick, Greg Lawless, Marisue Paulus and Gary Lensmeyer, "Automated Extraction Method Demonstrating High Throughput for the Analysis of Anticonvulsant Drugs in Serum," Pittsburgh Conference, Atlanta, Georgia, March 1997. Poster presentation

John Janiszewski, Monica Swyden, Hassan Fouda, David Wells and Tom Astle, "Use of Semi-Automated Liquid Handling System with Extraction Disk Plate for High Throughput LC/MS/MS Analysis," Pittsburgh Conference, March 1997; 45th Annual ASMS Conference, Palm Springs, California, June 1997. Oral presentation

David Wells and Li Song, "Recent Advances in Membrane SPE for High Throughput Pharmaceutical Bioanalysis," Minnesota Chromatography Forum Spring Symposium, Minneapolis, Minnesota, May 1997. Oral presentation

Deborah Buhrman, Antoine Berthemy, John Newton, Danlin Wu and David Wells, "Characterization and Use of 96-Well Solid-Phase Extraction Disk Plate in LC/MS/MS Bioanalysis," 8th International Symposium on Pharmaceutical and Biomedical Analysis, Orlando, Florida, May 1997; 45th Annual ASMS Conference, Palm Springs, California, June 1997. Oral presentation

David Wells and Li Song, "Recent Advances in Membrane SPE for High Throughput Pharmaceutical Bioanalysis," International Symposium on Laboratory Automation and Robotics (ISLAR), Boston, Massachusetts, October 1997. Poster presentation

David Ehresman, Greg Lawless and David Wells, "Method Optimization Using 96-Well Extraction Disk Plates," International Symposium on Laboratory Automation and Robotics (ISLAR), Boston, Massachusetts, October 1998. Poster presentation

David Wells, Sean Turbeville and Leah Tomasetti, "A Medical Information Model for Orphan Drug Inquiries," Medical Communications Workshop, Drug Information Association, Hilton Head Island, South Carolina, March 2009. Poster presentation

L. Tonyes, S. Ernst, E. Jurecki, S. Mofidi, A. Cunningham, D. Hook, H. McCune, C. Connolly, S. Turbeville, D. Wells and A. Wessel. "A Dietitian Model Information Service for the PKU Community," Genetic Metabolic Dietitians International, Baltimore, Maryland, April 2010. Poster presentation