

CURRICULUM VITAE

Andrew Allen Webster
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APPOINTMENTS

- 2007-Present: Professor and Chair
Department of Pharmaceutical Sciences
School of Pharmacy
Gordon E. Inman College of Health Sciences and Nursing
Belmont University, Nashville, TN
- 2005-2007: Professor of Medicinal Chemistry,
Director, Samford University Pharmacokinetics Center, McWhorter
School of Pharmacy, Birmingham, AL
- 2002-Present: Research Scientist: Research Fellow, Vulcan Materials Center for
Environmental Stewardship and Education. Samford University,
Birmingham AL.
- 1998-2005: Associate Professor of Medicinal Chemistry, Director, Samford
University Pharmacokinetics Center, Mc Whorter School of
Pharmacy, Birmingham, AL.
- 1995-1998: Assistant Professor of Medicinal Chemistry, Director, Samford
University Pharmacokinetics Center, Mc Whorter School of
Pharmacy, Birmingham, AL.
- 1992-1995: Assistant Professor of Medicinal Chemistry, McWhorter School of
Pharmacy, Samford University, Birmingham, AL.

EDUCATION

- 2005: Completed all modules of American Association of Colleges of
Pharmacy Education Scholar Teaching Excellence and Scholarship
Development Resources for Health Professions Educators
program.

1993: Doctor of Philosophy, Pharmaceutical Chemistry, Temple University School of Pharmacy, Philadelphia, PA.

1985: B.S. Pharmacy, Temple University School of Pharmacy, Philadelphia, PA. *Summa Cum Laude*

HONORS

James C. Attix Memorial Chemistry Award for highest average in all chemistry courses (1985).

Merck, Sharp, & Dohme Award for highest average for senior year (1985).

Rho Chi Pharmaceutical Honor Society (1984).

Graduated Summa Cum Laude, Temple University School of Pharmacy.

PROFESSIONAL EXPERIENCE

5/2009 – Present: Curriculum Development Consultant, Ministry of Education, Kurdistan Region of Iraq, Hawler Medical University School of Pharmacy.

2/2009 – Present: Nashville Metro Public Health Department Strategic National Stockpile, Receiving, Shipping and Storing Committee.

11/2008 – Present: Consulting editorship *International Journal for the Scholarship of Teaching and Learning*.

4/2008-Present: Member, Tennessee Task Force on Drug Diversion, the Task Force is comprised of law enforcement (TBI and DEA), state board of pharmacy representatives, practitioners and educators and is charged by the governor with eradicating the growing menace of individuals illegally obtaining prescription medication, primarily controlled substances.

9/2007-Present: Chairman, Department of Pharmaceutical Sciences, Belmont University. Design, develop and implement criteria for the introduction of a new school of pharmacy.

2005-Present: Member, Investigational Bio-Safety Committee, Vaxin Inc., Birmingham, AL.

- 8/95-2007 Director: Samford University Pharmacokinetics Center. Direct and participate in provision of quantitative analysis of extemporaneously compounded pharmaceuticals. Responsible for development of stability studies for both novel and non-experimental dosage forms in collaboration with the international pharmaceutical industry and the clinical staff of several area hospitals. Provide preceptor oversight for pharmacy students on clinical rotations.
- 1/99-2007 Chair, Section on Chemistry, Central Alabama Regional Science Fair. Coordinate and judge high school regional science exposition.
- 11/98-3/99: Consultant, Alabama Department of Public Health, Office of Professional and Support Service, RSA Tower, Suite 1010, 201 Monroe St., Montgomery, AL 36104. Provision of technical information to the Alabama State House of Representatives.
- 4/96-4/98: Director, APhA Foundation Lipid Project: Project ImPACT, Hyperlipidemia, American Pharmaceutical Association, Mullins Drugs, Birmingham AL. Ensuring compliance with the applicable regulations.
- 8/94-8/95: Interim Director: Samford University Pharmacokinetics Center; direct and perform contract dosage form stability studies. Provide preceptor oversight for pharmacy students on clinical rotations.
- 1992-1994: Research Associate: Samford University School of Pharmacy Pharmacokinetics Center, involved in dosage form stability studies. Provide preceptor oversight for pharmacy students on clinical rotations.
- 1990-1992: Research Assistant: Temple University Drug Research Center; Parenteral dosage form stability studies utilizing HPLC analysis.
- 1988-1992: Instructor: Temple University Health Careers Opportunity Program's Summer Enrichment Program; responsible for teaching an introductory Biochemistry course for disadvantaged students.
- 1985-1992: Graduate Teaching Assistant: School of Pharmacy, Temple University; instructor in Pharmaceutics (laboratory) and Contemporary Clinical Pharmacy Practice (recitation and laboratory).
- 1992-Present: Active Registered Pharmacist, Alabama #12307
Sterile Products Certified
Preceptor Certified
- 1985-Present: Active Registered Pharmacist, Pennsylvania RP034313L

Memberships: American Chemical Society, American Association of Colleges of Pharmacy, American Society of Health System Pharmacy, American Legion.

Academic Interests

Preparation of undergraduate and graduate courses in Medicinal Chemistry, Physiologic Chemistry, Research Methodology.

Dosage form stability studies.

Structure activity relationships, with the emphasis on the synthesis and evaluation of novel pharmacologic agents.

Impact of pedagogical processes on learning.

Abstracts and Presentations

Webster, A.A., *Career Choices in Pharmacy*, Invited lecture, University of Alabama at Birmingham, Pre-Pharmacy Scholars, February 26, 2009.

Webster, A.A., *Collaboration Between Pharmacy and Occupational Therapy*, Belmont School of Occupational Therapy, OTD 6210 Class, February 19, 2009.

Webster, A., *Career Options in Pharmacy*, Martin Methodist College, December 2, 2008.

Webster, A., *Exams, Proctoring, and Honor*, Belmont University School of Pharmacy Faculty Development Program, October 10, 2008.

Webster, A., *A Primer for Faculty Advising*, Belmont University School of Pharmacy Faculty Development Program, October 10, 2008.

Marvanova, M., Turner, C., Henkel, P., Webster, A., Johnston, P., *Missions and Public Health Intersect as a School of Pharmacy Reflects Its University*, American Association of Colleges of Pharmacy, Annual Meeting, July, 2008.

Webster, A.A., *After Market Enhancements of Pharmaceutical Products – A Corporate Perspective*, Cumberland Emerging Technologies Board of Directors Meeting, Invited Lecture, May 6, 2008.

Webster, A.A., *The Side Effects of Drugs, Implications for Occupational Therapy*, Belmont University School of Occupational Therapy, April 23, 2008.

Webster, A.A., *After Market Manipulations of Pharmaceutical Products*, Austin Peay Visiting Scientist Seminar, April 21, 2008.

Webster, A., *Beyond G.P.A., What Matters on Application to Professional School*, Phi Theta Kappa Honors Society Induction, Keynote Speaker, Jefferson State Community College, Birmingham, AL, February 10, 2008.

Webster A., *Career Options in the Pharmaceutical Sciences*, Trevecca Nazarene University Science Speaker Series, Nashville, TN, November 5, 2007.

Steil, C., Webster, A., *Early Practice Experience Cases: Three Year Experience and Evaluation as a Teaching Resource*, American Association of Colleges of Pharmacy, Annual Meeting, July, 2007.

Capper, S., Phelps, A., Webster, A., *Partnering for Preparedness with Community Pharmacists*, Department of Homeland Security, National Public Health Preparedness Summit, Washington D.C., February 21, 2007.

Webster, A.A., Steil, C., Freeman, M., *Utilization of a Virtual Patient to Enhance Spiral Instructional Integration Across the Curriculum*, American Association Of Colleges of Pharmacy, Annual Meeting, July, 2006.

Webster, A.A., *Career Options in the Pharmaceutical Sciences*. American Chemical Society Student Chapter Meeting, Birmingham, AL, April, 3, 2003; April 13, 2004; March 15, 2005, March 14, 2006, January 31, 2007.

Webster, A.A., *Design and Synthesis of Centrally Active Nicotinic Ligands*. University of Alabama at Birmingham Visiting Scientist Program, Dept. of Chemistry, Birmingham, AL, February 13, 2003.

Monk-Tutor M.R., Chan E.S., Sims P.J., Webster A.A., Covington, T.R., Steil C.F. *Use of CQI Tools to Develop a Model of Seamless Programmatic Assessment in Compliance with ACPE Accreditation Standards 2000*. AACP Annual Meeting, Toronto, Ontario, July 8-20, 2001.

Webster, A.A., Hartline, M. *Output to Input: A PBL Collaboration*. PBL 2000, Birmingham, AL, October, 30, 2000.

Webster, A.A. *A Novel Classroom Assessment Model for a PBL Environment*, PBL 2000, Birmingham, AL, October, 29, 2000.

Webster, A.A. *Pharmaceutical Science Education in the USA and Research Initiatives at the MSOP*. Meijo University Faculty visit, June 14, 2000; June 13, 2001.

Dean, J.O., McBride, H.A., Sims, P.J., Thompson, P.A., Webster, A.A. *The Samford Plan: A TQM Process Model for Curriculum Development and Refinement*. American

Association of Colleges of Pharmacy Annual Meeting. School Poster Presentation, Boston, MA, July 6, 2000.

Dean, J.O., McBride, H.A., Sims, P.J., Thompson, P.A., Webster, A.A. *The Samford Plan: A TQM Process Model for Curriculum Development and Refinement*. Quality Expo 2000, Penn State Conference Center, University Park, PA, May 2, 2000.

Denaburg, SG, Monk-Tutor, MR, Webster, AA, Woolley, TW, Whelan, KS, Dohoney, JM. *Impact of the Family and Medical Leave Act on Hospital Pharmacy Practice Management*. ASHP Annual Meeting, Reno, NV, June 6, 1999.

Webster, A., *The Role of Vitamins in Therapy*, Nurse Practitioner Program, School of Nursing, University of Alabama at Birmingham, August 8, 1998.

Webster, A., *The Pharmacology of Drugs Affecting the Adrenal Glands*, Nurse Practitioner Program, School of Nursing, University of Alabama at Birmingham, August 8, 1998.

Bowman, J.D., DeHart, R.M., Webster, A.A., McBride, H.A., *Development and Implementation of a Cap-Stone Course for a Professional Curriculum*, American Association of Colleges of Pharmacy Annual Meeting, Snowmass, CO, July 17, 1998.

Moore, R.H., Webster, A.A., Sims, P.J., *Admission Considerations for Entering Students into a Problem-based Learning Program*, American Association of Colleges of Pharmacy Annual Meeting, Snowmass, CO, July 17, 1998.

Thompson, P.A., Howard, C.E., Webster, A.A., *Assessing LEARN Team Effectiveness in Fostering Communication Between Students and Faculty*, American Association of Colleges of Pharmacy Annual Meeting, Snowmass, CO, July 17, 1998.

Doersam, D., Webster, A.A., *Extemporaneous Pharmaceutical Compounding in Jefferson County, Alabama*, Jefferson County Pharmaceutical Association, Birmingham, AL, May 14, 1998.

Webster, A.A., *The Senior Seminar Process: An Overview*, McWhorter School of Pharmacy Advisory Board Spring Meeting, Birmingham, AL, May 1, 1998.

Sands, C., Webster, A.A., *Recent McWhorter School of Pharmacy Developments in Collaborative Research*, McWhorter School of Pharmacy Advisory Board Fall Meeting, Birmingham, AL, Oct. 1997.

The East Asia Conference on Developing Clinical Pharmacy Education and Practice, Samford University McWhorter School of Pharmacy, Birmingham, AL, Aug. 4-8, 1997, delegation facilitator Republic of Korea.

- Southern Biotechnology Drug Development Conference*, The Medical Economic Development Alliance, Birmingham, AL July 10-11, 1996, conference coordinator.
- Webster A.A., *Product Characterization and Analysis of Traditional Products*, Southern Biotechnology Drug Development Conference, Birmingham, AL, July 10, 1996.
- Webster, A.A., *The Use of Student Quality Teams and Customer Satisfaction*, Malcolm Baldrige National Quality Award Education Pilot, Clark Atlanta University, June 26, 1996.
- Webster, A.A., *Career Options in Pharmacy*, The Alabama Governor's School, Samford University, Birmingham, AL, June 21, 1996.
- Deason, N.W., Webster, A.A., *Doctor of Pharmacy Graduate Self-Assessment*, Samford University Senior Showcase, Birmingham, AL, Apr. 25, 1996.
- Cook J.A., Webster, A.A., Dean, J.O., *Integrating Change in the Structure and Process of Pharmacy Admissions*, Samford University Senior Showcase, Apr. 25, 1996, Birmingham, AL.
- Webster, A.A., *Classroom Assessment: Use of LEARN Teams*, Central Alabama Community College, Faculty Enrichment Program, Podium Presentation, Childsburg, AL, Jan. 12, 1996.
- Webster, A.A., *Experiences in Obtaining Customer Satisfaction Data*, National Conference on Continuous Quality Improvement, Podium Presentation, Auburn, AL, Oct. 25, 1995.
- Webster, A.A., *Classroom Assessment: Use of LEARN Teams*, American Association for the Advancement of Core Curriculum, Podium Presentation, Birmingham, AL, Nov. 15, 1995.
- Dean, J.O., Sims, P.J., Webster, A.A., *Creating a Culture of Quality Within a Professional School*, Panelist, American Association for Higher Education Conference on Assessment & Quality, Boston, MA, June 12, 1995.
- Webster, A.A., *Using Quality Improvement Tools to Improve Classroom Learning*, Podium Presentation, American Association for Higher Education Conference on Assessment & Quality, Boston, MA, June 12, 1995.
- Seiber, M.; Burns, J.; Webster, A., *Investigation into the Possibility of Seasonal Urolithiasis*; Samford University Senior Showcase, Birmingham, AL, Apr. 28, 1995.
- Christian, L.; Webster, A.; Dean, J., *The Corner Drug Store, Presenting Health Care Topics to College Students Through Cable Television*; Samford University Senior Showcase, Birmingham, AL, Apr. 28, 1995.

Webster, A.A., *LEARN Process for Course and Instructor Evaluation*, Podium Presentation, AACP Special Session, ACP Annual Meeting, Albuquerque, NM, July 1994.

Panelist, *Total Quality Applications in Pharmaceutical Education*, AACP Special Session, AACP Annual Meeting, Albuquerque, NM, July, 1994.

Doukas, P., Webster A.A., Gallicchio, S., Massakowski, C., Sterling, G., O'Neill, J., *Synthesis and Evaluation of Chiral Quinuclidine Carbamates*, 9th Noordwijkerhout-Camerino Symposium on Trends in Drug Research, Noordwijkerhoo, the Netherlands, May 23, 1993.

Webster, A., Sterling, G., O'Neill, J., Doukas, P., *Synthesis and Evaluation of Quinuclidinyl Analogs as Centrally Active Nicotinic Agonists and Antagonists*, World Pharmacy Congress, Washington DC, May 1991.

Publications

Webster, A.A., *Patient Education and Complementary Therapy: Talking Points for Providers*, Inquiry , volume 1, issue 4, Belmont University School of Pharmacy, Nashville TN, April 25, 2008.

Hudson, K., Asbill, C.S., Webster, A.A., *Isoniazid Release from Suppositories Compounded with Selected Bases*, International Journal of Pharmaceutical Compounding, Vol. 11, No. 5, September/October, 433 -437, 2007.

Webster, A., Riggs, R., *A Quantitative Assessment of a Medicinal Chemistry PBL Sequence*. American Journal of Pharmacy Education, 2006; 70 (4) Article 89.

Sorscher E. J, Harris J , Alexander M , Rottgers A, Hardy K, Ponnazhagan S, McClintock J, Webster A. A., Maddry J, Hong J S. *Activators of Viral Gene Expression in Polarized Epithelial Monolayers Identified by Rapid-Throughput Drug Screening*. Nature Gene Therapy, 13 (9): 781-788; 2006.

Monk-Tutor, M.R., Webster, A.A., Denaburg, S.G., Woolley, T.W., Whealen, K.W., *Impact of the Family and Medical Leave Act on Hospital Pharmacy Practice Management*, Hospital Pharmacy, 2001, 36 (12).

Monk-Tutor, M.R., P.J. Sims, P.A. Thompson, C.D. Sands, IV, J.O. Dean, B.E. Beckett, H.A. McBride, R.H. Moore, III, R.M. Riggs, J.G. Sowell, A.A. Webster, C.F. Steil, E.S. Chan, K.W. Benner, M.A. Worthington. *A Planned, Progressive Implementation of Problem-Based Learning at the McWhorter School of Pharmacy: Results of a Three Year Study*. IN Samford PBL Monograph, Birmingham, AL: Samford University Press, 2001.

Rose, D.J., Webster, A.A., English, B.A., McGuire JM. *The stability of Lisinopril syrup (2mg/mL) Extemporaneously Compounded from Tablets*. International Journal of Pharmaceutical Compounding: 2000; 4(5): 398-399.

Webster, A., English, B., McGuire, J., Riggs, R., Lander, V., Buckle, T., *Stability of Dobutamine Hydrochloride 4mg/mL in 5% Dextrose Injection at 5 and 23° C*, International Journal of Pharmaceutical Compounding, 1999; 3:5:412-414.

Riggs, R., English, B., Webster, A., McGuire J., Riordan J., Worthington M., *Fosphenytoin Y-Site Stability Studies with Lorazepam and Midazolam Hydrochloride*, International Journal of Pharmaceutical Compounding, 1999;3:3: 235-238.

English B., Riggs, R., Webster A., Benner K., *Y-Site Stability of Fosphenytoin and Sodium Phenobarbital*, International Journal of Pharmaceutical Compounding, 1999;3:1: 64-67.

Canney, D., Kemp L., Zhang M., Gabriel J., Buccafusco, J., Gattu, M., Webster A., Doukas P., *Synthesis and Preliminary Biological Evaluation of 3-Substituted Quinuclidines as Nicotinic Ligands*, Medicinal Chemistry Research, 1997; 7:5: 282-300.

Webster A, English B, Rose D. *The Stability of Lisinopril as an Extemporaneous Syrup*, International Journal of Pharmaceutical Compounding, 1997; 1:5:352-3.

Webster, A., *LEARN, A New Assessment Technique*, The Chronicle of CQI, 1, 11, Feb. 1996, p3.

Rivers, T., Webster, A., *Stability of Ceftriaxone Sodium, Ceftizoxime Sodium, and Ceftazidime Sodium with Metronidazole at 8° C for Use as an IV Admixture*, American Journal of Health-System Pharmacy, 52,22, 2568-2570, Nov. 15, 1995.

Webster, A., Beasley, J., McBride H., Dean, J., *Utilization of Total Quality Management Tools in a Medicinal Chemistry Course*, Am. J. Pharm. Ed., 58, Winter 1994, pp 451-454.

Book Reviews

Webster, A.A., Book Review, *Drug Delivery: Engineering Principles for Drug Therapy*, W. M. Saltzman, in Journal of Pharmacy Technology, (17) December 2001.

Webster Andrew A., Book Review, *Smoking Policy: Law, Politics, and Culture*, Eds. Robert L. Rabin and Stephen Sugarman, Oxford Univ Press, *American Journal of Health-System Pharmacy*, Volume 52, p344, Feb. 1, 1995.

Book Chapters

Drug Stability, in *Pharmaceutical Manufacturing Handbook*, Gad S. Edit, John Wiley and Sons Publisher, in print.

Grants Received

Webster, A. *SyrSpend SF Stability Studies*, Gallipot Inc., January 2008, \$156,200.

Jenkins, R., Gregory, B., Webster, A., NSF Instrument Submission (LC/MS), August 2006, \$428,220.00.

Webster, A.A., Y-Site Compatibility of Acetadote. Cumberland Pharmaceuticals Research Grant, May 2005, \$500.00.

Benner, K.B., Webster, A.A., Vancomycin Clearance by Continuous Renal Replacement Therapy. Samford University Faculty Development Grant, January 2005, \$1,500.00.

Webster, A.A., Stability of Losartan as a Liquid Dosage Form. Merck Research Laboratories Grant, July 2004, \$1,000.00.

Webster, A.A., Y Site Evaluation of Ertapenem, Merck Research Laboratories Grant #32746, January 2004, \$1,000.00.

Webster, A.A., Development of an Oral Liquid Dosage Form of Losartan Potassium Samford University Faculty Development Grant, January 2002, \$1,500.00.

Asbill, C.S., Webster, A.A., Expression of ICAM-1 in Epiderm7 after treatment with a Novel Antisense Oligonucleotide (ISIS-2302) ISIS Pharmaceuticals, October 2001, \$18,000.00.

Webster, A.A., Warhurst, R., English, B.A., Unrestricted Research Award, Roche Pharmaceutical Company, May, 2001, \$2,500.

Webster, A.A., The President's Initiative Fund, Samford University December 2000, \$43,500.00.

Webster, A.A., Schearing-Plough Unrestricted Research Grant, December 2000, \$10,000.00.

English, BA, Davis, L, Tolbert, L, Nevels, S, Kemp, G., Webster, AA, Pharmacogenetic Determinants of Citalopram Response in Post-Traumatic Stress Disorder, *Veterans Affairs Merit II Network 7 Career Development Grant*, March, 2000, \$250,000.

Webster, A.A., Student and Faculty License for Chemwindow 6, Pew Charitable Trust, May 1999, \$3,000.

Monk-Tutor, M., Webster, A., Whalen, K., Douerty, J., The Impact of the Family and Medical Leave Act on Hospital Pharmacy Management, Samford University Faculty Development Grant, January 1998, \$2,000.

Webster, A., Sands, C., Sims, P., Lander, R., Population Pharmacokinetics- The NONMEM Program, Samford University Faculty Development Grant, January 1998, \$2,000.

Webster, A., Lander, V., Buckle, T., The long-term stability of dobutamine as an IV solution, Nutritional/Parenteral Home Care, October 1997, \$500.

Webster, A., English, B., Stability of Phosphenytoin and intensive care drugs at Y site, Parke-Davis Co., October 1997, \$2,000.

Rivers, T., Patel, B., Webster, A., Stability of Cefepime and Metronidazole as IV Admixture, Bristol Myers Squibb Co. and the Baptist Medical System, September 1997, \$2,000.

Webster, A. Process validation of polymer gels, Southern Biotechnologies Incorporated, Birmingham, AL, July 1997, \$1,750.

Mullins, V.G., Stile, C., Webster, A.A., APhA Foundation Lipid Project: Project ImPACT, Hyperlipidemia, American Pharmaceutical Association, April 1996, \$2,700.

Deason, N.W., Webster, A.A., *Doctor of Pharmacy Graduate Self-Assessment*, Apr. 1996, \$18,000.

Webster, A., "Process validation of pilocarpine gels," Southern Biosystems, Birmingham AL, Oct. 1995, \$3,800.

Rivers, T., Webster, A., "Stability of Ceftizoxime and Metronidazole for use as IV Admixture," Fujisawa USA Inc., May 1995, \$2,200.

Webster, A., "Evaluation of N-acetylcysteine Stability Under Various Storage Conditions," MP Total Care, Tampa FL, Jan. 1995, \$900.

Webster, A., Ponder, M., "Development of User Manual for ALCHEMY," Samford University Instructional Innovation Grant, June 1994, \$1,000.

Webster, A., Ponder, M., "Molecular Modeling Programs for Faculty and Student Laboratory Use," 20 copies, Samford University Computing Award, Jan. 1994, \$3185.

Service

National:

American Association of Colleges of Pharmacy:

Delegate - House of Representatives 2001
Host, Visiting Scientist Program, 2001
Faculty Development Committee, 1996 – 1998, 2006 - 2007
Section of Teachers of Chemistry, 1992 - present
School Mentor, 2001- 2002.
Resolutions Committee, 2001 - 2002.
Strategic Planning Committee, 2005-2007

Reviewer:

Pharmacotherapy
Journal of Pharmacy Technology
American Journal of Health-System Pharmacy
Annals of Pharmacotherapy
International Journal of Pharmaceutical Compounding

Other:

The East Asia Conference on Developing Clinical Pharmacy Education and Practice,
Samford University McWhorter School of Pharmacy, Birmingham, AL, Aug. 4-8,
1997, delegation facilitator Republic of Korea.

APhA-ASP National Patient Counseling Competition: Judge, Belmont School of
Pharmacy.

University

Belmont University Budget, Compensation, Faculty Welfare Committee.
2008 – Present

Belmont University Grievance and Appeals Committee

SACS Accreditation Committee Institutional Effectiveness
Subcommittee – Administrative Support Services

College

COHS Committee on Interdisciplinary Simulations

COHS Subcommittee on Goals