

# Curriculum Vitae

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**Michael A. Veronin, M.S., Ph.D., R.Ph.**

2310 Haverhill Drive, #1011  
Tyler, Texas 75707  
Phone: (361) 232-2281 (Home)  
(903) 566-6148 (Work)  
e-mail: [mveronin@uttyler.edu](mailto:mveronin@uttyler.edu)

## EDUCATION

2001-2002: Texas Tech University Health Sciences Center, Amarillo, Texas

### **Post-doctoral Research Fellowship, School of Pharmacy**

- Concentrations: Health Informatics, Distance learning, Telepharmacy

1993-2000: University of North Texas, Denton, Texas

### **Ph.D. in Information Sciences, Medical Informatics Track, Robert B. Toulouse School of Graduate Studies**

- Concentrations: Technology in health care, data mining, research synthesis

1990-1991: University of North Texas, Denton, Texas

### **M.S. in Computer Education/Cognitive Systems, College of Education**

- Concentrations: Computer-assisted learning, instructional theory and design

1989-1990: University of Texas Southwestern Medical Center, Dallas, Texas

### **Master's candidate in Biomedical Communications**

- Specialty in medical technical writing

1975-1977: University of Arizona, Tucson, Arizona

### **Bachelor of Science in Pharmacy, College of Pharmacy**

- Clinical Pharmacy curriculum

## ACADEMIC APPOINTMENTS

September 2015-Present: Associate Professor, Dept. of Pharmaceutical Sciences, Ben and Maytee Fisch College of Pharmacy, the University of Texas at Tyler, Tyler, Texas, 3900 University Boulevard, Tyler, Texas 75799

June 2007-August 2015: Associate Professor, Department of Pharmaceutical Sciences, Texas A&M Health Science Center, Irma Lerma Rangel College of Pharmacy, MSC 131 1010 West Avenue B, Kingsville, Texas 78363-8202

- September 2008-September 2010: Assistant Dean for Curriculum and Education Development

September 2004-May 2007: Assistant Professor, Department of Pharmacy Practice, Division of Practice Management, Texas Tech University Health Sciences Center School of Pharmacy, 1300 S. Coulter Road, Amarillo, Texas 79106

May 2002-August 2004: Assistant Professor, Department of Pharmaceutical Sciences, Texas Tech University Health Sciences Center School of Pharmacy, 1300 S. Coulter Road, Amarillo, Texas 79106

## PROFESSIONAL WORK EXPERIENCE

### Hospital and Community-based Pharmacy Practice

Present: Independent Contract Pharmacist, providing professional services to various medical centers and community pharmacies.

#### Institutions (Since January 1978)

St. Paul Medical Center, Dallas, Texas

Veteran's Affairs Medical Center, Phoenix, Arizona

Maricopa Medical Center, Phoenix, Arizona

Maryvale Medical Center, Phoenix, Arizona

W.O. Boswell Memorial Hospital, Sun City, Arizona

## PROFESSIONAL LICENSES and CERTIFICATIONS

Texas State Board of Pharmacy license No. 30667, since January 1988.

Texas State Board of Pharmacy Preceptor Certificate, since December 2004.

Sterile Products/Intravenous Admixtures Certification. Issued by the National Pharmacy Technician Association (NPTA), July 2013.

Oregon Institute for Patient-Centered Comparative Effectiveness (ICE) Annual Research Intensive. Certificate issued by Oregon Health & Science University, July 2013.

Discover OSCE-ology: Objective Structured Clinical Examination (OSCE) Professional Development Workshop. Certificate issued by the Leslie Dan Faculty of Pharmacy University of Toronto, Toronto, Ontario, Canada. June 2008.

## RESEARCH INTERESTS

Health Care Quality; Health Informatics; Health Outcomes; Machine Learning/Artificial Intelligence.

## PUBLICATIONS (Peer-reviewed)

Hagbani TA, **Veronin MA**, Nutan MT, Nazzal S. Can the surface color of pharmaceutical tablets be used as a unique product identifier? *J Drug Deliv Sci Technol*. 2017 Feb; 37, 141-146.

Stock EM, Copeland LA, Tsan JY, Zeber JE, **Veronin MA**, Thompson A. Association of Hospitalization with First-line Antidepressant Polypharmacy Among Veterans of Iraq and Afghanistan with PTSD: Examining the Influences of Methodological Approaches. *Military Medicine*. 05 Oct 2016; 181(10): 1248-1257.

Al Hagbani T, Nutan MT, **Veronin MA**, Nazzal S. The utility of colorimetry as a quality control tool for the identification of pharmaceutical tablets. Conference Paper. 32<sup>nd</sup> Southern Biomedical Engineering Conference (SBEC), Shreveport, LA. 13 Mar 2016.

**Veronin MA**. Enhancing Personal Health Record Adoption Through the Community Pharmacy Network: A Service Project. *Inov Pharm*. 2015; 6(4): 1-14.

West, C., **Veronin, MA.**, Kurz, T., Landry, K., Watzak, B., Quiram, B., & Graham, L. Tools to investigate how interprofessional education activities link to competencies. *Medical Education Online*, 2015 Jul; (20). ISSN 1087-2981.

**Veronin MA**, Nutan MT, Dodla UK. Quantification of active pharmaceutical ingredient and impurities in sildenafil citrate obtained from the Internet. *Ther Adv Drug Saf*. 2014 Oct; 5(5):180-189.

**Veronin MA**, Alkhateeb FM, Everett-Houser J. Patient-centered health care delivery uniting MTM, EHRs and patients: opportunities for pharmacists. *J Pharma Care Health Sys*. 2014; 1:3

Alkhateeb FM, Al-Rousan R, **Veronin MA**, Latif D, Dodd M. Availability and Perceived Value of Bachelor of Sciences in Pharmaceutical Sciences Programs (BSPS) in the United States. *Pharmacy*. 2014; 2(1), 1-16.

**Veronin MA**, Clancy K. Attrition of Canadian Internet Pharmacy Web sites: What are the Implications? *Drug Healthc Patient Saf*. 2013;5 171–179.

**Veronin MA**, Colson K, Roffman ME, Roman MW. Full circle-old drugs prove more beneficial than newer agents for schizophrenia: a case report. *Issues Ment Health Nurs*. 2012 Nov; 33(11):797-800.

**Veronin MA**, Daniels L, Demps E. Pharmacy cases in Second Life: an elective course. *Advances in Medical Education and Practice*. 2012 Oct (3): 105 – 112.

**Veronin MA**. Should we have concerns with generic versus brand antimicrobial drugs? A review of issues. *Journal of Pharmaceutical Health Services Research*, 2011 Sept; 2(3) 135-150.

**Veronin MA**. Packaging and labeling of pharmaceutical products obtained from the internet. *J Med Internet Res*. 2011 Feb 15;13(1):e22

**Veronin MA**. To the Editor: van Mil F Author's reply. *Ann. Pharmacother*. 2008 Jul/Aug; 42: 1147. Published online, 24 Jun 2008, [www.theannals.com](http://www.theannals.com).

Clauson KA, **Veronin MA**, Khanfar NM, Lou JQ. Open-access publishing for pharmacy- focused journals. *Am J Health Syst Pharm*. 2008 Aug 15;65(16):1539-44.

**Veronin MA**, Nguyen NT. Comparison of simvastatin tablets from the US and international markets obtained via the Internet. *Ann Pharmacother*. 2008 May;42(5):613-20. Epub 2008 Apr 15.

**Veronin MA**, Clauson KA. Case Report. Internet pharmacy drugs delay treatment for congestive heart failure. *Journal of the American Pharmacists Association*. Jul/Aug 2007; 47(4): 436.

**Veronin MA**, Lee E, Lewis EN. "Insight" into drug quality: Comparison of simvastatin tablets from the U.S. and Canada obtained via the internet. *Ann Pharmacother*. 2007 Jul; 41(7), 1111-5. Epub 2007 Jun 26.

**Veronin MA**. Canadian Internet pharmacies: Price, policy, and perspective. *Research in Social & Administrative Pharmacy*. 2007 Jun; 3(2): 236-248.

**Veronin MA**. Health Care Informatics: A Skills-Based Resource. Book review. *Am J Pharm Educ*. Dec 15, 2007; 71(6): 126.

**Veronin MA**. One step forward, two steps back: The World Wide Web as an Information Resource. *Pharm Educ. Int J of Pharmaceutical. Educ*. 2005 Sept/Dec; 5(3/4): 209-214.

**Veronin MA**. Medication Access Through the Internet: Legal and Safety Considerations for Pharmacists. *Hosp Pharm*. 2005 Apr; 40 (4): 331-335.

**Veronin MA**, Youan BC. Magic Bullet gone astray: medications and the Internet. *Science*. 2004 23 Jul; 305: 481.

Seifert CF, **Veronin MA**, Kretschmer TD, McBeath DB, Stanford SJ, Turner D, Ontai SC. Training of a telepharmacist: addressing the needs of rural West Texas. *Am J Pharm Educ*. 2004; 68 (3) Art 60.

**Veronin MA**. The availability of addictive drugs from the Internet. *Panhandle Health*. 2004; 14 (3): 15-16.

**Veronin MA.** URL 404 File Not Found: dealing with the transient nature of the Web. *J Audiov Media Med.* 2003; 26 (4): 153-155.

**Veronin MA.** Internet Pharmacies: Prescription for health or harm? *Panhandle Health.* 2003; 14 (1): 41-42.

**Veronin MA.** Where are they now? A case study of health-related Web site attrition. *J Med Internet Res.* 2002 Apr-Nov; 4(2): e10. <http://www.jmir.org/2002/2/e10/index.htm>.

**Veronin MA,** Patry R. Instructional objectives: what they are, what they aren't. *Pharm Educ. Int J of Pharmaceutical. Educ.* 2002 May; (1), 207-213.

**Veronin MA,** Patry R. Evidence-based medicine: from conjecture to quality clinical practice. *Tex Soc Health Syst Pharm J.* 2001 Oct/Dec; 106-111.

**Veronin MA,** Ramirez G. Validity of health claims on the World Wide Web: a systematic survey of the herbal remedy Opuntia. *Am J Health Promot.* 2000 Sept/Oct; 15 (1): 21-28.

### **PUBLICATIONS IN PREPARATION**

**Veronin MA,** Schumaker RP, Dixit R, Dhake P, Mason D, Ogwo M. A Systematic Approach to "Cleaning" of Drug Name Records Data in the FAERS Database. *Methods of Information in Medicine.* Manuscript ID: ME17-01-0117. Publication pending revisions, March 2018.

**Veronin MA,** Schumaker RP, Dixit RR, Ogwo M. 2018. Irony of the FAERS Database: An Analysis of Data Input Errors and Potential Consequences. The 29<sup>th</sup> Annual Conference of the International Information Management Association (IIMA) and the 5th Annual Conference of the International Conference on Information Technology and Economic Development (ICITED), October 8-10, 2018, Houston, TX. <http://iima.org/wp/29th-conference-8-10-oct-2018-houston-texas-usa>.

Elath H, Dixit RR, Schumaker RP, **Veronin MA.** 2018. Predicting Deadly Drug Combinations through a Machine Learning Approach. The 22<sup>nd</sup> Pacific Asia Conference on Information Systems (PACIS), June 26-30, 2018, Yokohama, Japan. <http://pacis2018.org>.

### **PUBLICATIONS (Non peer-reviewed)**

**Veronin, MA.** How to Save Money on Your Prescriptions. Money Saving Ideas. New York: NY, National Research Bureau, Inc., 1990 February/March; 35-36.

### **PUBLISHED ABSTRACTS (Peer-reviewed)**

Schumaker RP, **Veronin MA,** Dixit R, Dhake P, Mason D. Calculating a Severity Score of an Adverse Drug Event Using Machine Learning on the FAERS Database. International Information Management Association IIMA 2017, 28<sup>th</sup> Annual conference on Information Management. 11-13 Sept 2017, University of West Scotland, Paisley, Scotland, UK.

West C, **Veronin MA,** Landry K, Watzak B, Kurz T, Graham L. Assessing the Occurrence of Team and Interprofessional Communication in Two IPE Activities. American Academy on Communication in Healthcare (AACH) 2014 AACH Research and Teaching Forum. October 17-19, 2014. Orlando FL

**Veronin MA.** Quality of Generic Viagra® (sildenafil citrate) on the Internet: What are the Health Risks? 2nd International Conference and Exhibition on Pharmacovigilance & Clinical Trials. San Antonio, TX, November 18-19, 2013.

**Veronin MA,** Daniels L, Demps E. Pharmacy Case Studies in Second Life: An Elective Course. AACP Annual Meeting, San Antonio, Texas, July 9-13, 2011. Available at: <http://www.ajpe.org>.

**Veronin MA.** Quality Assessment of Statins Obtained from the Internet. MEDNET 2006, World Congress on Internet in Medicine, Toronto, Canada, October 13-20, 2006. Available at <http://www.mednetcongress.org>.

## **REVIEWS (Invited)**

Introduction to Health Care Delivery. A Primer for Pharmacists. Robert L. McCarthy, Kenneth W. Schafermeyer, Kimberly S. Plake. 2012. Jones & Bartlett Learning: Sudbury, MA. (2013).

World Health Organization Global Observatory for eHealth series - Volume 4, Safety and security on the Internet: challenges and advances in Member States. 2011. URL: [http://www.who.int/goe/publications/ehealth\\_series\\_vol4/en/index.html](http://www.who.int/goe/publications/ehealth_series_vol4/en/index.html).

Journals (Since 2004):

- Science
- Currents in Pharmacy Teaching and Learning
- Journal of Pharmaceutical Health Services Research
- The Medical Letter
- Research in Social and Administrative Pharmacy
- Journal of Medical Internet Research
- Annals of Pharmacotherapy
- Journal of the American Pharmacists Association
- Laws

## **PRESENTATIONS**

### **Poster Presentations at Regional/National Conferences**

- American Association of Colleges of Pharmacy (AACP) Annual Meeting (2005, 2011)
- National Pharmaceutical Association 62<sup>nd</sup> Annual Convention (2009)
- American Medical Writers Association 66<sup>th</sup> Annual Conference (2006)
- Texas Society of Health-System Pharmacists, 57<sup>th</sup> Annual Seminar (2005)
- American Association of Pharmaceutical Scientists Annual Meeting (2004)
- Texas Tech University Health Sciences Center Annual Research Day (2004)
- American Society of Health-Systems Pharmacists Midyear Conference (2003)
- Texas Rural Health Association/Texas Rural Development Council Regional Conference (2002)
- Medical Library Association National Conference (2002)

### **Oral Presentations at Regional/National Conferences (Invited)**

- Southern Group on Educational Affairs (SGEA) Regional Conference, Charlotte NC, April 24-26, 2015. <https://www.aamc.org/members/gea/regions/sgea/meetings/>
- International Conference and Exhibition on Pharmacovigilance & Clinical Trials (2013)
- National Pharmaceutical Association 64<sup>th</sup> Annual Conference (2012)
- National Pharmaceutical Association 63<sup>rd</sup> Annual Conference (2011)
- Texas Pharmacy Association Southwest Rxpert Conference and Expo (2010)
- National Pharmaceutical Association 62<sup>nd</sup> Annual Convention (2010)
- MEDNET World Congress on Internet in Medicine, Session Chair (2006)

## **RESEARCH GRANT PROPOSALS (Funded)**

**Veronin MA** (PI), Schumaker RP (Co-PI). "A Machine Learning Approach to Analyze Cardiac-related

Adverse Events in the FAERS Database.” University of Texas at Tyler Ben and Maytee Fisch College of Pharmacy Pilot Research and Scholarship Grant. April 01 2017 - March 31, 2018. \$10,011.

Lori Graham, Courtney West (Principal Investigators), **MA Veronin** (Co-Investigator). National Institutes of Health grant # 5R25HL108183-02. Project title: “Baylor College of Medicine’s Relationship Centered Transformation of Curriculum in partnership with Texas A&M Health Science Center’s Communities of Transformative Learning.” \$200,000 per year to HSC for 5 years. Percent Effort: 4%, June 2011 to August 2015. Total compensation: \$10,882.79, (Salary offset, conference participation).

**Veronin MA** (PI); Youan BC, Patry RA, (Co-Investigators). "Quality Assessment of Statins Obtained from the Internet." American Heart Association, Texas Affiliate. Austin, TX. Award #0565153Y, May 17, 2005. No-cost extension to July 2009. \$124,000.

Seifert CF (PI); **Veronin MA**, Patry RA, McBeath DB, Phillips JC, Ontai SC, (Co- Investigators.) “Telepharmacy from Classroom to Practice: A Pilot Study.” Funds allocated from USDA DLT grant TX 731-A17&A19. \$40,000.

## **EDUCATION – TEACHING EXPERIENCE**

### **Coursework taught**

- U.S. Health Care Systems
- Drug Information/Drug Literature Evaluation
- Sterile Products & Intravenous Admixtures
- Social Determinants of Health
- Research Methods and Biostatistics
- Social-Behavioral Aspects of Patient Care
- Pharmaceutical Calculations
- Clinical Communications
- Pharmacy Law and Ethics
- Health Informatics
- Pharmacoeconomics
- *Proficient in Team-Based Learning methodology*

## **COMMITTEES AND SERVICE:**

University of Texas at Tyler Ben and Maytee Fisch College of Pharmacy (Current)

09/17-Present: Chair, Assessment Committee

09/17-Present: Co-Chair, Accreditation Council for Pharmacy Education (ACPE) Self-study Subcommittee

10/15-Present: University Governance Committee, Faculty Senate

10/15-Present: University Governance Committee, Handbook of Operating Procedures (HOP) Committee

09/15-Present: Chair, Promotion and Tenure Committee

09/17-Present: Chair, Faculty Search Committee

08/17-Present: Research and Scholarship Committee

09/15-08/17: Admissions Committee

09/15-08/17: Faculty Council

09/15-08/16: Objective Structured Clinical Examination (OSCE) Oversight Work Group

## Texas A&M University Health Science Center Rangel College of Pharmacy (Previous)

09/11-08/15: Chair, Outcomes Assessment Committee

09/14-08/15: Co-Chair, Accreditation Council for Pharmacy Education (ACPE) Self-study Subcommittee

09/14-08/15: Awards, Honors and Scholarships (AHS) Committee

09/11-12/14: Chair, Quality Enhancement Plan (QEP) Committee for SACS Accreditation

09/09-08/15: Kappa Psi Pharmaceutical Fraternity, Faculty Advisor for Epsilon Epsilon, College of Pharmacy Chapter for 5 student officers and 120+ students.

08/11-08/14: College of Pharmacy representative, Texas A&M Health Science Center Appointment, Promotion, and Tenure (APT) Committee

09/12-04/13: Chair, Search Committee for Chair of the Department of Pharmaceutical Sciences

09/07-08/11: Chair, Curricular Affairs Committee

09/10-05/12 Chair, Master's degree thesis committee for Uday Dodla, chemistry student at Texas A&M University-Kingsville. (Degree was conferred in May 2012).

2004-2006: Doctoral dissertation advisory committee member for 3 Ph.D. candidates in Pharmaceutical Sciences at Texas Tech University HSC School of Pharmacy.

### **HONORS AND AWARDS**

Ben and Maytee Fisch College of Pharmacy Class of 2019 Teacher of the Year.

August 31, 2015: Tenure awarded by the Board of Regents of the University of Texas System.

September 1, 2012: Tenure awarded by Texas A&M University Board of Regents.

2011 Kappa Psi Pharmaceutical Fraternity Outstanding Service Appreciation Award. Rangel College of Pharmacy, Epsilon Epsilon Chapter.

National Library of Medicine Bioinformatics education scholarship, Woods Hole, MA. Certificate of Achievement awarded September, 2010.

Irma Lerma Rangel College of Pharmacy Teacher of the Year 2007/2008.

Texas Tech University Health Sciences Center American Pharmacists Association Academy of Student Pharmacists Certificate of Appreciation, Recognizing Excellence Program, May 5, 2006.

2005 President's Young Investigator Award for the Texas Tech University Health Sciences Center. Presented on November 11, 2005 by M. Roy Wilson, M.D., M.S., President for Texas Tech University Health Sciences Center.

American Medical Writers Association Frances Larson Memorial Award for Excellence in Medical Writing. Presented by the Pacific Southwest Chapter, June 2005.

### **COMMUNITY SERVICE**

Congenital Heart Information Network (CHIN) member, National Chapter, Yardley, PA, since 2002.  
URL: <http://www.tchin.org>.

### **REFERENCES**

Available on request