

Amy L. Wilson-Delfosse, Ph.D.**Curriculum Vitae**

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Education

1986 - The College of Wooster, B.A., Chemistry (Honors), Wooster, OH

1991 - Vanderbilt University, Ph.D., Pharmacology, Nashville, TN

Professional Appointments

- 7/22-present Founding Director, Medical Education Scholars Pathway
- 1/20-6/20 Interim Director, Center for Medical Education
(Type A center with faculty appointments)
- 8/14-present Associate Dean for Curriculum, Case Western Reserve University
School of Medicine, Cleveland, OH
- 7/14-present Professor, Department of Pharmacology, Case Western Reserve
University School of Medicine, Cleveland, OH
- 7/09-7/14 Assistant Dean for Basic Science Education
Director, Case Inquiry Program
- 7/06-6/14 Associate Professor, Department of Pharmacology, Case Western
Reserve University School of Medicine, Cleveland, OH
- 1/98-6/06 Assistant Professor, Department of Pharmacology, Case Western
Reserve University School of Medicine, Cleveland, OH
- 7/97-1/98 Instructor, Department of Molecular and Cellular Physiology,
Pennsylvania State University College of Medicine, Danville, PA
- 7/95-6/97 Research Scientist-1, Weis Center for Research,
Geisinger Clinic, Danville, PA
- 7/92-7/95 Post-doctoral Fellow, Weis Center for Research,
Geisinger Clinic (laboratory of Dr. William Maltese), Danville, PA

- 6/91-7/92 Post-doctoral Fellow, Department of Pharmacology
(laboratory of Dr. Lee Limbird), Vanderbilt University, Nashville, TN
- 1987-1991 Doctoral Candidate in Pharmacology (Dissertation Research in the
laboratory of Dr. Lee Limbird), Department of Pharmacology,
Vanderbilt University, Nashville, TN

Membership in Professional Societies

- 1998-2020 American Society for Pharmacology and Experimental
Therapeutics (ASPET)
- 2006-present International Association of Medical Science Educators (IAMSE)
- 2023-present Association for Medical Education in Europe (AMEE)

Selected Honors/Awards/Competitive Faculty Development Programs

- 2000 Excellence in Teaching Award, Department of Pharmacology, Case
Western Reserve University, Cleveland, OH
- 2003 University Center for Innovation in Teaching and Education
(UCITE) Learning Fellowship, Case Western Reserve University,
Cleveland, OH
- 2004-2005 Scholars Collaboration in Teaching and Learning participant,
CWRU School of Medicine, Cleveland, OH
- 2005 Certificate in Team Learning, CWRU School of Medicine,
Cleveland, OH
- 2005 Certificate in Teaching and Learning, CWRU School of Medicine,
Cleveland, OH
- 2005 Harvard Macy Scholar
- 2005 A Award, CWRU School of Medicine, Cleveland, OH
"Team-based Learning: An Effective Approach for Teaching
Pharmacology?"
- 2005-2006 Scholars Collaboration in Teaching and Learning mentor, CWRU
School of Medicine, Cleveland, OH
- 2006 Scholarship in Teaching Award, CWRU School of Medicine,
Cleveland, OH

“Progressive Assessment in the Fundamentals of Therapeutic Agents Committee”

- 2006 International Association of Medical Science Educators Outstanding Presentation Award (selected one of eighty-eight presentations)
- 2006-2007 Scholars Collaboration in Teaching and Learning mentor, CWRU School of Medicine, Cleveland, OH
- 2008 Elected Secretary/Treasurer of the American Society for Pharmacology and Experimental Therapeutics (ASPET) Division of Pharmacology Education (DPE); Term 2008-2011
- 2009 Elected to the Board of Directors of the International Association of Medical Science Educators (IAMSE)
- 2010 Elected as Vice President of the International Association of Medical Science Educators (IAMSE)
- 2010 Scholarship in Teaching Award, CWRU School of Medicine, Cleveland, OH
“Online, web-based, supplemental pharmacology modules result in learning gains and student engagement”
- 2012 University Center for Innovation in Teaching and Education (UCITE) Mentor Fellows Program participant, Case Western Reserve University, Cleveland, OH
- 2012 Elected as President, International Association of Medical Science Educators
- 2012 Alpha Omega Alpha Robert J. Glaser Distinguished Teacher Award
- 2013 Scholarship in Teaching Award, CWRU School of Medicine, Cleveland, OH
“IQ+ Assessment: Student-Generated Teaching Cases”
- 2013 Kaiser-Permanente Excellence for Teaching Award
Selected by the medical students of CWRU School of Medicine
- 2014 Scholarship in Teaching Award, CWRU School of Medicine, Cleveland, OH
“Development & Deployment of iPad Application in Medical Education”

2014	FLEX: A Professional Development Program for Women Faculty of the School of Medicine, CWRU School of Medicine, Cleveland, OH
2014-2015	Selected participant in the ITS Active Learning Fellows Program
2016	University Center for Innovation in Teaching and Education (UCITE) Learning Fellows 2.0, Case Western Reserve University, Cleveland, OH (selected participant)
2020	Scholarship in Teaching Award, CWRU School of Medicine, Cleveland, OH "Development of Innovative Curriculum on Climate Change for 1st Year Medical Students"
2021	Celebrating Our Academic Societies – selected by Dean Gerson as Dean Joseph Wearn representative, CWRU School of Medicine, Cleveland, OH
2023	Online Learning Advisory Committee Online Learning Community Fellow
2024	The Edward Patrick Finnerty Lifetime Achievement Award of the International Association of Medical Science Educators - The Edward Patrick Finnerty Lifetime Achievement Award is bestowed upon an individual member who has demonstrated a sustained involvement in and commitment to the advancement of the International Association of Medical Science Educators through their many types of service to the organization at the highest levels of performance. The special nature of this award makes it one for which a member may not apply, but rather, it represents the highest level of recognition that the organization, through selection by its Board of Directors, can provide to a most worthy individual whose work on behalf of IAMSE has shown a consistent history of distinguished accomplishments.

Select Faculty Development Experiences

2013	FLEX: A Professional Development Program for Women Faculty of the School of Medicine
3/2021	AAMC Workshop – Transforming Conflict into Collaboration
1/22 – 5/22	REFRAME – CWRU mid to late-career faculty development
4/5/2023	Actualize Your Purpose: A Workshop on Improving Your Well-Being (3h) presented by Academic Impressions – Jennifer Askey
2023	Weatherhead Executive Coaching – Coach: Caroline Carter

International Professional Service

9/05-7/07	International Association of Medical Science Educators (IAMSE), regional representative to the program committee for the annual meeting (2007)
2007-2010	Ad Hoc Grant Reviewer - Parkinson's UK
7/08-7/13	International Association of Medical Science Educators (IAMSE) Membership Committee Chair
7/13-10/18	International Association of Medical Science Educators (IAMSE) Membership Committee member
7/09-7/10	International Association of Medical Science Educators (IAMSE) Board of Directors (elected by the general membership)
7/10-12/11	International Association of Medical Science Educators (IAMSE) Vice President (elected position)
1/10-6/11	Program Chair for the 2011 annual meeting of the International Association of Medical Science Educators
1/12-12/15	International Association of Medical Science Educators (IAMSE) President
1/16-12/17	International Association of Medical Science Educators (IAMSE) Past-President
7/17-2021	IAMSE representative to the AAMC Council on Faculty and Academic Societies
6/13-6/2018	iMedtrust Advisory Board (“iMedtrust is a philanthropic initiative that sets out to establish a regulated, and economically self-sustaining, adaptive medical education platform. It will provide higher education resources, technology and specialist expertise to improve global population health.” http://imedtrust.org/)

National Professional Service

1992	Invited participant in the conference “Requirement for Training in the Responsible Conduct of Research on NRSA Award Research Training Grants”
5/03	2003 Intel International Science and Engineering Fair Judge (Cleveland, OH)

5/11/07	Invited participant: Harvard Conference on Science and Medical Education.
7/08-7/11	American Society for Pharmacology and Experimental Therapeutics (ASPET) Division of Pharmacology Education, Secretary/Treasurer (elected position)
2008-2014	Regular review for ASPET of Summer Undergraduate Research Program grant applications
2013	Alpha Omega Alpha Robert J. Glaser Distinguished Teaching Award Selection Committee
2013-2023	Aquifer Sciences Leadership Team to develop pedagogy and resources to promote the integration of basic science into the teaching and learning of clinical medicine
2016-2017	Senior Director, MedU Science (responsible for representing MedU Science on the MedU Academic Council)
2018-2019	Co-Director, Aquifer Pilot School Program to develop integration tools (overseeing 6 pilot schools who are working to create “integrated illness scripts”, mechanisms of disease maps, and recall tools)
2018-2023	Senior Director, Aquifer Sciences (formerly known as MedU Science) https://aquifer.org/courses/integrated-illness-scripts/ The Aquifer Sciences Initiative is a comprehensive international multi-disciplinary effort to create and implement teaching and learning tools to support the use of basic science understanding to support safe and effective clinical decisions.
2023-present	Aquifer, Academic Director for Sciences – Oversight of all initiatives that relate to basic science.
2024-2025	AAMC Emerging Technologies Teaching and Learning: Digital Demonstrations Virtual Conference planning committee

Invention Disclosures

6/19/2012	Redoxins as Neuroprotective Targets
12/17/2013	iPad Application for Small Group Facilitation

Grant Reviewer

2007-2014 Ad Hoc Grant Reviewer - Parkinson's UK

Journal Reviewer**Ad hoc (year first invited)**

2015 *Advances in Health Science Education*

2014 *Perspectives on Medical Education*

12/12 *FEBS Journal*

2012 *MedEdPortal*

2016 *Teaching and Learning in Medicine*

2018 *Academic Medicine*

Regular review assignments

2011-present *Medical Teacher*

2010-present *Medical Science Educator*

2020-present *Medical Science Educator* Distinguished Reviewer Panel
The Editorial Board recognizes its most excellent reviewers who have over the years provided the Editorial Board with high quality reviews. Membership is only available by invitation, and appointment covers a period of three (3) years.

Medical Education Meeting Session Reviewer

2009-2015 Reviewer for American Association of Medical Colleges (AAMC) annual meeting posters, workshops and discussion sessions

Selected Service to Medical School and University

7/98-02 Health Careers Enhancement for Minorities, session leader and teacher of Pharmacology

10/01-5/03 Curriculum Leadership Council, member

3/02-3/05 Fundamentals of Therapeutic Agents first year medical school committee, Chair

7/04-7/17 Chair, Basic Science Curriculum Council (aka: Block Leaders)

	Position appointed by the Dean to oversee basic science teaching within the medical education curriculum.
8/04-present	Committee on Medical Education, member (appointed, voting)
8/04-present	Committee on Medical Students Promotion and Advancement, <i>ex officio</i> non-voting member
12/04-9/06	Dean's Policy Steering Committee, member This committee was formed by the Dean to serve an advisory capacity with regard to curriculum reform.
2/05-present	Curriculum Steering Committee member, Cleveland Clinic Lerner College of Medicine (CCLCM) at Case Western Reserve University This committee oversees the curriculum of the CCLCM
4/05-present	Student Assessment Committee, member Oversees and monitors assessment practices within the WR2 Curriculum.
5/05-9/08	Block 4: Homeostasis, Co-Block leader (and Pharmacology section leader). This design team develops the concepts and teaching strategies for the basic science teaching surrounding the heart, lung and kidney organ systems as well as cell physiology, bioethics and pharmacology.
9/08-6/2020	Block 4: Homeostatis, Block leader (and Pharmacology section leader). This design team develops the concepts and teaching strategies for the basic science teaching surrounding the heart, lung and kidney organ systems as well as cell physiology, bioethics and pharmacology.
5/05-2022	Committee on Program Evaluation, member This committee devises and selects measures for evaluation of the new curriculum that will began in full for the class of 2010.
11/05-10/12	Curriculum Monitoring Council This committee is appointed by the Vice Dean for Medical Education and serves to oversee the details of curriculum development and implementation.
7/06	Founding Member, Center for the Advancement of Medical Learning (CAML).
10/06-present	Joint Committee Oversight Group (JCOG) founding member. This committee oversees the clinical curriculum of both the university

and college (Cleveland Clinic Lerner College of Medicine) programs.

- 6/07-2015 Medical student portfolio reviewer – the responsibilities of this position include grading 1st and 2nd year medical student portfolios to determine if students have met achievement levels for relevant competencies.
- 2007-present IQ Facilitation Skills Workshop – Center for the Advancement of Medical Learning. This is a 3 hour workshop that is designed to give IQ faculty the skills that they need to facilitate and Case Inquiry (IQ) group. Qualifications to instruct this workshop include participation in a 2 day facilitation workshop at McMaster School of Medicine and 4 years of personal facilitation experience.
- 7/09-present Director, Case Inquiry (IQ) Group Program, CWRU School of Medicine. This position includes oversight of all aspects of the IQ program (e.g., training of all faculty facilitators, co-directing facilitator prep and debriefing sessions with block leaders, helping faculty trouble-shoot group problems, evaluation of faculty performance) and represents a 15-20% time commitment.
- 12/09-12/10 Area of Concentration (AOC) Task Force. This group is working to re-define the AOC experience that is required of all medical students during their clinical training.
- 2/09-12/12 Co-director, Scholars Collaboration in Teaching and Learning. SCTL is a faculty development program that annually admits a class of ~9 first year medical students and ~9 faculty to develop skills of teaching, learning, and curriculum development, implementation and evaluation. Time commitment for this is significant: 6 hours per month x 8 months actual contact time.
- 1/13-present Director, interprofessional Scholars Collaboration in Teaching and Learning (became interprofessional under my leadership in 2014)
- 9/09-2020 Portfolio working group/Competency Based Assessment Committee member. This is a work group that meets regularly to continually review competencies and milestones and procedures for submission of medical student portfolios.
- 11/09-6/11 Tilles-Weidenthal chair search committee. Appointed by the Dean to serve as a member of this search committee to identify and recruit a candidate to fill the Tilles-Weidenthal endowed chair in neurodegenerative disease.

- 7/09-7/15 Appointed as Assistant Dean for Basic Science Education. Responsibilities include oversight of basic science education within the 4-year medical education curriculum.
- 1/11-6/15 Academic Technology Committee. University committee to discuss and prioritize technology to promote learning
- 7/11-6/13 Faculty Senate Nominating Committee. University committee to recommend and evaluate candidates for various university government positions.
- 7/10-6/14 Institutional Macy Foundation Grant (I-LEAD) Core Leadership group member
- 7/11-6/14 Institutional Macy Foundation Grant (I-LEAD) Shared Language/Teamwork working group member
- 12/11-7/12 Institutional Macy Foundation Grant (I-LEAD) Virtual Center working group co-chair
- 6/12-10/12 Genetics Chair Search Committee, member
- 10/12-6/15 Executive Committee of the Committee on Medical Education, member - This is a leadership subcommittee of the CME that performs more daily tasks of the CME and also determines what agenda items need to come before the full CME.
- 12/12-6/13 Vice Dean for Medical Education Search Committee, member
- 2013 School of Medicine Strategic Plan Working Group – Education Working Group (elected)
- 8/13-12/17 School of Medicine Medical Education Building Planning Committees:
Steering Committee
Coordination Committee
Classroom Committee
- 6/15-3/17 LCME Educational Programs Group Co-Chair
- 4/17-6/17 Search Committee Chair – Assistant Dean for Basic Science Education

11/17-2/18	Search Committee Chair – Assistant Professor of Medical Education
1/16-6/22	AMA Accelerating Change in Medical Education grant leadership team
9/18-12/18	Search Committee Chair – Assistant Dean for Clerkship Education – University Hospitals Cleveland Medical Center
1/19-present	Department of Anatomy Committee on Appointments Promotion and Tenure committee member
3/19-5/20	Vice Dean for Medical Education Search Committee Chair
8/22-9/22	CWRU Academic Freedom Working Group (selected by the Provost)
7/22-present	Inaugural Leader, Diversity in the Curriculum Design team (Providing oversight for ~60 faculty and students working to integrate diversity considerations into the curriculum in the following domains: race/ethnicity, sexual orientation and gender identity, age, religion, socio-economic status, and ability.)
7/22-present	Inaugural Director, Medical Education Scholars Pathway - The Medical Education Scholars Pathway seeks to support students in their development as teachers and educational scholars. Students collaborate with faculty to co-create curricula and use well-established approaches to turn their efforts into scholarship. Additionally, they serve their local School of Medicine colleagues through their teaching and the Greater Cleveland population through their efforts to provide community education.
7/21-2/24	Mistreatment Working Group, Member Committee that reviews and addresses professionalism concerns among faculty and residents as reported by medical students.
1/2024-present	Curriculum Monitoring Committee, Co-Chair – A subcommittee of the Committee on Medical Education, responsible for providing high level monitoring of the medical education curriculum.
9/2024-present	CWRU AI Task Force 2.0 – A University committee that considers and makes recommendations to the Provost regarding all aspects of Generative AI in the CWRU setting.

Selected Department of Pharmacology Service

2/98-present	Scientific Retreat Founder and Coordinator/co-coordinator
1/00-12/01	Graduate Student Advisor Department of Pharmacology
1/00-6/06	Molecular Therapeutics Training Program Steering committee member
1/00-7/05	Student Progress Committee, Chair (Dept of Pharmacology)
7/05-7/13	Departmental Website Design Team, Chair Supervisor Department of Pharmacology IT office
3/06-7/11	Department of Pharmacology faculty recruitment coordinator
5/08-6/16	Junior Faculty Mentoring Committee for Shasta Sabo, Chair
7/11-7/13	Department of Pharmacology Committee on Appointments, Promotion and Tenure, member
7/17-present	Co-chair, Department of Pharmacology Curriculum Committee (we are working to create a competency-based graduate education program)

Civic Activities and Community Service

2008-2018	Team leader, American Cancer Society Relay for Life of Case Western Reserve University
2012	Honorary Chair, American Cancer Society Relay for Life of Case Western Reserve University
2018-2019	Faculty Advisor, American Cancer Society Relay for Life of Case Western Reserve University

Trainee Advising - Scientific

<u>Name</u>	<u>Relationship</u>
Tara Reilly (CWRU undergrad)	mentor lab research
Hyunjoo Chen (biochem grad student)	prelim exam committee member
Joan Jorgensen (pharm grad student)	thesis committee member
Payal Gandhi (CWRU undergrad)	mentor lab research
David Rhee (CWRU medical)	mentor lab research
Gabe Owens (pharm MSTP)	thesis committee member

Payal Gandhi (pharm grad student)	Ph.D. advisor (1/02-11/07)
Payal Gandhi (postdoc)	Postdoc mentor (11/07-5/08)
Erin Milliken (pharm grad student)	thesis committee member
Fang Xie (pharm grad student)	thesis committee chair
Xioafeng Tong (pharm grad student)	Ph.D. advisor (1/03-11/03)
Ronika Williams (pharm grad student)	Ph.D. co-advisor (4/04-5/05)
Jennifer Yori (pharm grad student)	thesis committee chair
Kepeng Che (pharm postdoc)	postdoc mentor (10/06-9/09)
Chen Yao (pathology grad student)	thesis committee member (12/08-2012)
Teresa Rice (medical student class of '12)	summer research mentor 2009
Harry Owusu-Dapaah (undergrad)	undergrad research mentor 2010-2012
William Johnson (PhD Student)	Co-mentor (8/11-)
Meghana Gupta (Pharm Grad Student)	Thesis committee chair (graduated)
Olga Gorelenkova (Pharm Grad Student)	Thesis committee chair (graduated)
Katrina Piemonte (MSTP in Pharm)	Thesis committee chair

Trainee Advising – Medical Education

Peggy Kim (medical student class of '11)	medical education research advisor (SCTL) (1/08-5/11)
Peggy Kim (resident Akron General)	Advisor, intern research rotation, Akron General Hosp. 10/2010
Rhett Butler (medical student class of '13)	Research mentor (2011-2013)
Sarah Wang (medical student class of '15)	Research mentor (2013-2015)
Elias Kikano (medical student class of '16)	Summer and continuing research mentor (2013-2016)
Raleigh Ems (medical student class of '21)	Research mentor (Research&Scholarship)
Emily Manning (med student class of '24)	Research mentor (Research&Scholarship)
Ronaé McLin (medical student class of '27)	Research mentor (Research&Scholarship)
Abby Prichard (med student class of '27)	Research mentor (Research&Scholarship)

Faculty Mentoring – formal committees

5/08-6/16	Chair mentoring committee for Dr. Shasta Sabo (Dept of Pharmacology) that met every 6 months.
8/21-present	Chair, mentoring committee for Dr. Tawna Mangosh (Dept of Pharmacology)

Faculty Mentoring – as noted by faculty in Faculty Information System

Current	Tawna Mangosh, PharmD, PhD; Oliver Schirokauer PhD, MD; Kathryn Miller, MD, MA, Kelli Qua, PhD
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Grants/Contracts*Current*

AAMC CGEA MESRE: Transforming Formative Assessment: Automatic Item Generation of Multiple-Choice Questions using AI

Role: Co-PI

Total Costs: \$7,000

Start Date: 01/01/25 End Date: 12/31/25

NSF – Award Number (FAIN): 2129072

Standard Grant

Project Title: FW-HTF-R: Impact of Artificial Intelligence Aids on Clinical Skill Acquisition, Atrophy and Adaptation

Role: Co-PI (4%)

Total Costs: \$1,999,999

Start Date: 10/01/2021 End Date: 09/30/2025

Past

7/96 - 7/97

Leukemia Research Foundation Grant in Leukemia Research

PI: Wilson

Project Title: "Role of Cdc42Hs and Its GDI in Leukemia Cell Growth"

Total costs: \$35,000

4/99-3/00

ACS Institutional Grant (Ireland Cancer Center

PI: Wilson

Project Title: "The Functional Significance of Cdc42Hs Interaction with RhoGDI in the Mammalian Cell"

Total costs: \$15,000

7/00-6/03

National American Cancer Society

PI: Wilson

Project title: Regulation of Cdc42Hs in the Mammalian Cell

Total costs: \$450,000

7/01/02- 6/30/05

Molecular Therapeutics, MacDonald, P.N. (Program Dir.)/Wilson-Delfosse (Sponsor)

Training Grant, Stipend and Tuition Support for Payal N. Gandhi, Ph.D. candidate and Ronika Williams, Ph.D. candidate

9/1/04-8/31/05

ADVANCE Opportunity Fund

Case Western Reserve University (institutional award)

PI: Wilson-Delfosse

Project Title: "Regulation of Rho family GTPase localization
in the mammalian cell"
Total costs: \$25,000

2006-2008 National Institutes of Health, 1R21AG028797-01.
PI: Chen; Co-Investigator: Wilson-Delfosse
"Structure-Activity Analysis of LRRK2 Associated with Parkinson's Disease"
\$348,398 total; \$225,500 direct; 07/01/06-06/30/08

2006-2009 National Parkinson Foundation, Mega Research Grants Program
PIs: Chen, Wilson-Delfosse, Shokat
"Uncovering the pathogenic role of LRRK2 using molecular and chemical genetic
approaches"
\$600,000 total; \$600,000 direct; 07/01/06-06/30/09

2008-2009 NIH CTSA/Clinical Translational Science Collaborative Pilot Grant
"Establishment of a CTSC Parkinson's Disease Phenotypic and Genotypic Registry"
PIs: Wilson-Delfosse, Chen, Riley, Gunzler
\$77,250 total; direct: \$50,000, indirect: \$27,250; 10/1/08-5/30/09

2009-2011 Michael J. Fox Foundation for Parkinson's Research
Therapeutics Development Initiatives 2008 – Academic Track Program
PIs: Chen, Wilson-Delfosse
"Characterization and validation of *C. elegans* LRRK2 model of PD"
\$220,000 total; \$200,000 direct; \$20,000 indirect; 01/01/09-12/31/10

2010-2012 Michael J. Fox Foundation for Parkinson's Research
Understanding LRRK2 Biology Program
PIs: Chen, Wilson-Delfosse
"Characterization of LRRK2 Cellular and Signaling Pathways"
\$275,000 total; \$250,000 direct; \$25,000 indirect; 03/01/10-02/31/12

2010-2012 Michael J. Fox Foundation for Parkinson's Research
Understanding LRRK2 Biology Program
PIs: Chen, Wilson-Delfosse
"Characterization of LRRK2 modifiers in *C. elegans* models of Parkinson's disease"
\$250,000 total; \$187,500 direct; \$62,500 indirect; 03/01/10-02/31/12

2010-2012 National Institutes of Health, NINDS
R21NS073170
PIs: Chen, Wilson-Delfosse
"Assay Development and Discovery of LRRK2 Inhibitors for Parkinson Disease"
\$431,750 total; \$275,000 direct; \$156,750 indirect; 07/01/10-05/31/12

2013-2015 National Institutes of Health, NINDS
1R21NS085503

PIs: Chen, Wilson-Delfosse, Mieyal)
 “Glutaredoxin, a Critical Regulator of Parkinson Disease Pathogenesis”
 \$435,875 total; \$275,000 direct; \$160,875 indirect; 09/15/13-08/31/15

Service Contract for Aquifer, Inc

Wilson-Delfosse, PI
 July 1, 2020 - June 30, 2023
 Direct Costs: \$57,000 annually
 Total Costs: \$57,000 annually

Summer 2024 **NIH** - Mentor to Abby Prichard on the Medical Student Summer Research Training Program in Aging, which is supported by the National Institutes of Health/National Institute on Aging.

Bibliography

Peer-reviewed Education Publications:

1. Ornt, D.B., Aron, D.C., King N.B., Clementz, L.M., Frank, S., Wolpaw, T., **Wilson-Delfosse, A.**, Wolpaw, D., Allan, T.M., Carroll, M., Thompson-Shaheen, K., Altose, M.D. and Horwitz, R.I. (2008) Population Medicine in a Curricular Revision at Case Western Reserve University School of Medicine. *Academic Medicine* **83**, 327-331.
2. Wolpaw, T.M., Hull, A.L., **Wilson-Delfosse, A.L.**, Dannefer, E.F., Wolpaw, D.R., Isaacson, J.H., Papp, K.K., Bierer, S.B., and Ornt, D.B. (2010) Case Western Reserve University School of Medicine and Cleveland Clinic. *Academic Medicine* **85**, S439-45.
3. Kim, P.Y., Allbritton, D.W., Keri, R.A., Mieyal, J.J. and **Wilson-Delfosse, A.L.** (2010) Creation of an Online Curriculum to Introduce and Supplement the Learning of Pharmacology in a Problem-based Learning/Lecture Hybrid Curriculum. *Journal of the International Association of Medical Science Educators* **20**, 98-106.
4. Jeffries, W.B., McMahon, K.K., Rosenfeld, G.C., Strandhoy, J.W., Szarek, J. and **Wilson-Delfosse, A.L.** (2010) Pharmacology – In the Face of Revisiting Flexner’s View of Medical Education. *Journal of the International Association of Medical Science Educators* **20**, 288-292.
5. **Wilson-Delfosse, A.L.** (2012) Team-based Learning: From Educational Theory to Emotional Intelligence. *Med. Teach.* **34**, 781-2.
6. Kim, PY, Allbritton, DW, Keri, RA, Mieyal, JJ, & **Wilson-Delfosse, AL.** Use of supplemental online pharmacology modules leads to increased student

- knowledge and satisfaction. *Conference of the International Journal of Arts & Sciences*, Oct. 2012;5(2):157-158.
7. Loue S, **Wilson-Delfosse A**, Limbach K. (2015) Identifying gaps in the cultural competence/sensitivity components of an undergraduate medical school curriculum: A needs assessment. *J Immigr Minority Health*,17(5):1412-9.
 8. Kim, PY, Allbritton, DW, Keri, RA., Mieyal, JJ, and **Wilson-Delfosse, AL**. (2015) Supplemental Online Pharmacology Modules Increase Recognition and Production Memory in a PBL Curriculum. *Med. Sci. Educ.* 25:261-269.
 9. Butler, R., Kim, P., Nieman, M., and **Wilson-Delfosse, AL**. (2015) Implementing Web Design and Usability Principles in Online Medical Curricula is Associated with Improved Student Utilization and Satisfaction. *Med. Sci. Educ.* 25:255-259.
 10. Pusic MV, Santen SA, Dekhtyar M, Poncelet A, Roberts N, **Wilson-Delfosse A**, Cutrer WB. (2018) Learning to balance efficiency and innovation for optimal adaptive expertise. *Med Teach.* 40(8):820-827
 11. Baratz, G, **Wilson-Delfosse, AL**, Singelyn, BM, Allan, KC, Rieth, GE, Ratnaparkhi, R., Jenks, BP, Carlton, C, Freeman, BK, Wish-Baratz, S. (2019) Evaluating the Anatomage Table Compared to Cadaveric Dissection as a Learning Modality for Gross Anatomy. *Med. Sci. Educ.* **29**: 499-506.
<https://doi.org/10.1007/s40670-019-00719-z>
 12. S. W. Margolius, K. K. Papp, M. D. Altose & **A. L. Wilson-Delfosse** (2020) Students perceive skills learned in pre-clerkship PBL valuable in core clinical rotations, *Medical Teacher*, 42(8):902-908. DOI:
[10.1080/0142159X.2020.1762031](https://doi.org/10.1080/0142159X.2020.1762031)
<https://www.tandfonline.com/eprint/WN5GCXHBTV6NPNYGA5YR/full?target=10.1080/0142159x.2020.1762031>
 13. L. Auerbach, S. Santen, W.B. Cutrer, M. Daniel, **A. Wilson-Delfosse**, N.K. Roberts (2020) The Educators' Experience: Learning Environments that Support the Master Adaptive Learner, *Medical Teacher*, 42(11):1270-1274.
DOI: 10.1080/0142159X.2020.1801998 Published online Aug 5, 2020. E-print:
<https://www.tandfonline.com/eprint/BHAG5HEBWGVX7XXCFWJV/full?target=10.1080/0142159X.2020.1801998>
 14. Papp, K.K. and Wilson-Delfosse, A.L. (2020) Response to: Perceptions of student skill development in problem-based learning may not correlate with objective measures of performance in the clinical environment, *Medical Teacher*, DOI: <https://doi.org/10.1080/0142159X.2020.1808338>

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<https://www.tandfonline.com/eprint/B81Q5E4ZNVQGKP2RENPB/full?target=10.1080/0142159X.2020.1808338>

15. Thomas, PA, **Wilson-Delfosse, AL**, Mehta, N, Papp, KK, Bierer, SB, and Isaacson, JH (2020) Case Western Reserve University School of Medicine, Including the Cleveland Clinic Lerner College of Medicine. *Academic Medicine* **95**, S396-401.
16. Papp, KK, Altose, MD, **Wilson-Delfosse, AL**, and Thomas, PA (2020) Scholarship in Teaching: An Approach to Enhancing the Value and Academic Standing of Teaching. *Med Sci Educ* **30**, 1585-1590.
17. Fall, LH, English, R, Fulton, TB, Harris, DM, Ngo, K, Nixon, J, Hembrook-Short, J, **Wilson-Delfosse, A** (2021) Thinking Slow More Quickly: Development of Integrated Illness Scripts to Support Cognitively Integrated Learning and Improve Clinical Decision-Making. *Med Sci Educ* **31**, 1005-1007. Open Access
18. Qua, K., Gullett, H., **Wilson-Delfosse, A.** et al. (2022) Early Medical Students' Experiences as System Navigators: Results of a Qualitative Study. *J GEN INTERN MED* <https://doi.org/10.1007/s11606-021-07168-8>
19. Rowland-Seymour, A, Mann, D, Singh, MK, Padrino, SL, and **Wilson-Delfosse, AL** (2022) Identification of Health Systems Science in a Problem-Based Learning Clinical Reasoning Exercise. *Med Sci Educ* <https://doi.org/10.1007/s40670-021-01490-w>
20. Xiong, W, Singh, S, Wilson-Delfosse, A, Jones, R, Nielsen, C, Chalkley, C, et al. "Flipped" clinical rotations: A novel approach. *Clin Teach*. 2022. e13520. <https://doi.org/10.1111/tct.13520> Open Access
21. Croniger CM, Qua K, Rowland-Seymour AR, Podugu P, Laseter JR, Linz MO, **Wilson-Delfosse A.** Preparing Students to Deliver Care to Diverse Populations. *Med Sci Educ*. 2022 Oct 5;32(6):1285-1288. doi: 10.1007/s40670-022-01648-0.
22. Russell R, Fleming-Hall E, **Wilson-Delfosse A**, Ashby K. An Institutional Evaluation of Race and Ethnic Diversity in Pre-clerkship Lectures. *Med Sci Educ*. 2023 Apr 24;33(3):645-651. doi: 10.1007/s40670-023-01789-w. PMID: 37501795; PMCID: PMC10368599.
23. Miller KE, Qua K, Croniger CM, Mann D, Mulloy KB, Painter E, Rowland-Seymour A, Schirokauer O, Singh MK, **Wilson-Delfosse AL.** Development and Implementation of a Medical School Course Integrating Basic, Clinical, and Health Systems Sciences. *J Med Educ Curric Dev*. 2023 Oct 30;10:23821205231205953. doi: 10.1177/23821205231205953. PMID: 37915318; PMCID: PMC10617272.

24. Fulton TB, Nixon LJ, **Wilson-Delfosse AL**, Harris DM, Ngo KD, Fall LH, O'Brien BC. Using a boundary crossing lens to understand basic science educator and clinical educator collaboration in instructional design. *Med Teach*. 2023 Dec 15:1-7. doi: 10.1080/0142159X.2023.2289848. Epub ahead of print. PMID: 38100767.
25. Chodisetty, V., Jain, A., Cowles, L., Cowan, N., Imbroane, M., Jeong, H., Fry, S. & **Wilson-Delfosse, A.L.** (2024). Is the lecture dead? Medical students' perspectives on reconciling live lectures and 21st-century learning. *New Directions for Teaching and Learning*.
26. Macnamara, B, Berber, I, Çavuşoğlu, MC, Krupinski, E, Nallapareddy, N, Nelson, NE; Smith, PJ, **Wilson-Delfosse, AL**, and Ray, S. (2024) Does using artificial intelligence assistance accelerate skill decay and hinder skill development without performers' awareness? *Cognitive Research: Principles and Implications*, 9(1), 46-54

Peer-reviewed Medical Education Chapters

1. Raszka, W.V., Jeffries, W.B., Stevenson, F., Wilson-Delfosse, A.L. and Katz, N.T., (2012) Integrating Basic Sciences in a Clerkship Curriculum. *The Guidebook for Clerkship Directors, 4th Edition*. Alliance for Clinical Education, Bruce Z. Morgenstern editor.
2. **Wilson-Delfosse, A.L.** and Fall, L.H. (2019) How will the master adaptive learner process work in the classroom? *The Master Adaptive Learner: The AMA MedEd Innovation Series*. William Cutrer, Martin Pusic et al., editors. Elsevier, Philadelphia, PA
3. Yepes-Rios, M, Chavan, M, Moncaliano, MC, **Wilson-Delfosse, AL**, Mauer, Yael, Croniger, C, Lambrese, JV, and Logio, L (2023) Curiosity, Humility, and Accountability: Key Elements to Advance a Culture of Diversity, Equity, and Inclusion in Health Professions Education. *Advances in Medical Education, Research, and Ethics (AMERE) Book Series*, IGI Global, Hershey, PA.

Refereed Educational Products

Aquifer Integrated Illness Scripts: Integrated Illness Scripts are designed specifically to promote cognitive integration and provide a framework for learners to link basic science and clinical knowledge. Building on the traditional illness script format, Integrated Illness Scripts (IIS) embed basic science core concepts and causal mechanisms within each clinical feature and

display the connections visually through Mechanism of Disease Maps. The 41 IIS listed below have been accessed by students in over 250 distinct health professions education programs.

2021 Integrated Illness Script Releases: Wilson-Delfosse senior editor

Appendicitis

Nixon J, Sheridan L (Lead Editors); Aronson, J, Grimes K, Lindsley J, Lufler R, Lyons V, Nguyen S (student), Zinkhan G (Contributing Authors in alphabetical order). *Aquifer Sciences Integrated Illness Scripts: Appendicitis*. Fall LH and **Wilson-Delfosse AL**, eds. www.aquifer.org.

Asthma

English R, Harris D (Lead Editors); Aronson J, Cho Y, Cicilioni K (student), Lyons V, Meyer M (student), Ngo K, Rogstad D (Contributing Authors in alphabetical order). *Aquifer Sciences Integrated Illness Scripts: Asthma*. Fall LH and **Wilson-Delfosse AL**, eds. www.aquifer.org.

Crohn Disease

Harris D, Ngo K (Lead Editors); Bernstein J, Cline S, Croniger C, Dickinson B, Farr R, Grimes K, Kerry J, Lindsley J, Poznanski A, Stehouwer N, Sturtevant J, Yoest J (Contributing Authors in alphabetical order). *Aquifer Sciences Integrated Illness Scripts: Crohn Disease*. Fall LH and **Wilson-Delfosse AL**, eds. www.aquifer.org.

Diabetes Mellitus - Type 1 (T1DM)

Fall L, Fulton TB (Lead Editors); Allen M, Aronson J, Beck A, Bernstein J, Cassese T, Cho Y, Drowos J, English K (student), Harris D, Gorski V, Hochfelder C, Iyer S, Reichgott M, Sheridan L, Steinman H (Contributing Authors in alphabetical order). *Aquifer Sciences Integrated Illness Scripts: Diabetes Mellitus - Type 1 (T1DM)*. Fall LH and **Wilson-Delfosse AL**, eds. www.aquifer.org.

Diabetes Mellitus - Type 2 (T2DM)

English R, Fulton TB (Lead Editors); Basha M, Bauler T, Bernstein J, Cho Y, Dickinson B, Drowos J, Gibson K, Newby D, Olken M, Sheakley M, Vollbrecht P (Contributing Authors in alphabetical order). *Aquifer Sciences Integrated Illness Scripts: Diabetes Mellitus - Type 2 (T2DM)*. Fall LH and **Wilson-Delfosse AL**, eds. www.aquifer.org.

Diabetic Ketoacidosis (DKA)

English R, Fulton TB (Lead Editors); Allen M, Basha M, Beck A, Bernstein J, Cassese T, Cho Y, Drowos J, English K (student), Gorski V, Hochfelder C, Iyer S, Reichgott M, Steinman H (Contributing Authors in alphabetical order). *Aquifer Sciences Integrated Illness Scripts: Diabetic Ketoacidosis (DKA)*. Fall LH and **Wilson-Delfosse AL**, eds. www.aquifer.org.

Gastrointestinal Reflux Disease (GERD)

Harris D, Ngo K (Lead Editors); Bernstein J, Cho Y, Croniger C, Gallman E, Lyons V, Singh M, Sheridan L, Reed E (student), Yoest J (Contributing Authors in alphabetical order). *Aquifer Sciences Integrated Illness Scripts: Gastrointestinal Reflux Disease (GERD)*. Fall LH and **Wilson-Delfosse AL**, eds. www.aquifer.org.

Jaundice - ABO Hemolytic Disease of a Newborn

English R, Fulton TB (Lead Editors); Cho Y, Dell M, Ferguson H, Heinrich C (student), Lindsley J, Nerness R (student), Ngo K, Rogstad D, Sturtevant J (Contributing Authors in alphabetical order). *Aquifer Sciences Integrated Illness Scripts: Jaundice - ABO Hemolytic Disease of a Newborn*. Fall LH and **Wilson-Delfosse AL**, eds. www.aquifer.org.

Jaundice - Breastfeeding

English R, Fulton TB (Lead Editors); Carroll R, Kahler G (student), Lindsley J, Ngo K, Rogstad D (Contributing Authors in alphabetical order). *Aquifer Sciences Integrated Illness Scripts: Jaundice - Breastfeeding*. Fall LH and **Wilson-Delfosse AL**, eds. www.aquifer.org.

Jaundice - Physiologic

English R, Fulton TB (Lead Editors); Bernstein J, Cicilioni K, Lindsley J, Meyer M (student), Ngo K, Rogstad D (Contributing Authors in alphabetical order). *Aquifer Sciences Integrated Illness Scripts: Jaundice - Physiologic*. Fall LH and **Wilson-Delfosse AL**, eds. www.aquifer.org.

Myocardial Infarction (with ST-Segment Elevation) (MI)

Nixon J, Sheridan L (Lead Editors); Aronson J, Carroll R, Croniger C, Hughes R, Lufler R, Milan F, Tong A (student) (Contributing Authors in alphabetical order). *Aquifer Sciences Integrated Illness Scripts: Myocardial Infarction (with ST-Segment Elevation) (MI)*. Fall LH and **Wilson-Delfosse AL**, eds. www.aquifer.org.

Pneumonia

Nixon J, Sheridan L (Lead Editors); Aronson, J, Bauler T, Carroll R, Cole S, Colletier K (student), Dickinson B, Gallman E, Gibson K, Kerry J, Lackey-Cornelison K, Miller L, Mourad R, Olken M, Petro W (student), Riddle D, Shattuck B, Sheakley M, Yoest J (Contributing Authors in alphabetical order). *Aquifer Sciences Integrated Illness Scripts: Pneumonia*. Fall LH and **Wilson-Delfosse AL**, eds. www.aquifer.org.

Pneumothorax

Fall L, Harris D (Lead Editors); Aronson J, Ferguson H, Heinrich C (student), Lyons V, Nerness R (student), Ngo K, Rogstad R (Contributing Authors in alphabetical order). *Aquifer Sciences Integrated Illness Scripts: Pneumothorax*. Fall LH and **Wilson-Delfosse AL**, eds. www.aquifer.org.

Pulmonary Embolism (PE)

Nixon J, Sheridan L (Lead Editors); Aronson J, Cariello P, Carroll R, Gilliland K, Holmstrom S, Kithas A (student), Moore K (Contributing Authors in alphabetical order). *Aquifer Sciences Integrated Illness Scripts: Pulmonary Embolism (PE)*. Fall LH and **Wilson-Delfosse AL**, eds. www.aquifer.org.

Shock - Cardiogenic

Harris D, Ngo K (Lead Editors); Basha M, Bernstein J, Cline S, Daroowalla F, Gallman E, Hayes N, Miller K, Sheridan L, Tong A (student), Yoest J (Contributing Authors in alphabetical order). *Aquifer Sciences Integrated Illness Scripts: Shock - Cardiogenic*. Fall LH and **Wilson-Delfosse AL**, eds. www.aquifer.org.

Shock - Hypovolemic

Harris D, Ngo K (Lead Editors); Basha M, Cline S, Farr R, Hayes N, Hughes R, Lyons V, Nixon J, Yoest J (Contributing Authors in alphabetical order). *Aquifer Sciences Integrated Illness Scripts: Shock - Hypovolemic*. Fall LH and **Wilson-Delfosse AL**, eds. www.aquifer.org.

Shock - Septic

Harris D, Ngo K (Lead Editors); Basha M, Cho Y, Cline S, Daroowalla F, Gallman E, Levine A, Makkar N (student), Stehouwer N (student), Yoest J (Contributing Authors in alphabetical order). *Aquifer Sciences Integrated Illness Scripts: Shock - Septic*. Fall LH and **Wilson-Delfosse AL**, eds. www.aquifer.org.

Stroke - Hemorrhagic (Intracerebral - Left Putamen)

Gallman E, Xiong W (Lead Editors); Aronson J, Hannon P, Kapadia N (student), Lindsley J, Metzstein M (Contributing Authors in alphabetical order). *Aquifer Sciences Integrated Illness Scripts: Stroke - Hemorrhagic (Intracerebral - Left Putamen)*. Fall LH and **Wilson-Delfosse AL**, eds. www.aquifer.org.

Stroke - Ischemic (Left Middle Cerebral Artery)

Gallman E, Xiong W (Lead Editors); Aronson J, Hannon P, Lindsley J, Metzstein M, Sattler L (Contributing Authors in alphabetical order). *Aquifer Sciences Integrated Illness Scripts: Stroke - Ischemic (Left Middle Cerebral Artery)*. Fall LH and **Wilson-Delfosse AL**, eds. www.aquifer.org.

Transient Ischemic Attack (Left Middle Cerebral Artery)

Gallman E, Xiong W (Lead Editors); Aronson J, Harris D, Hannon P, Lindsley J, Metzstein M, Sattler L (Contributing Authors in alphabetical order). *Aquifer Sciences Integrated Illness Scripts: Transient Ischemic Attack (Left Middle Cerebral Artery)*. Fall LH and **Wilson-Delfosse AL**, eds. www.aquifer.org.

Ulcerative Colitis

Harris D, Ngo K (Lead Editors); Aronson J, Bernstein J, Croniger C, Hughes R, Kerry J, Lindsley J, Makkar N (student), Sturtevant J, Yoest J (Contributing Authors in alphabetical order). *Aquifer Sciences Integrated Illness Scripts: Ulcerative Colitis*. Fall LH and **Wilson-Delfosse AL**, eds. www.aquifer.org.

2022 Integrated Illness Script Releases: Wilson-Delfosse senior editor**Atherosclerotic Coronary Artery Disease (ACAD)**

Furgerson, J, Harris, DM (Lead Editors); Bernstein JA, Cicilioni K (student), Cline S, Dalmeida D, Lindsley J, Lyons V, Mayer M (student), Milan F, Mourad R, Ngo KD, Sheridan L, Sturtevant J, Yoest, JM (Contributing Authors in alphabetical order). *Aquifer Sciences Integrated Illness Scripts: Atherosclerotic Coronary Artery Disease (ACAD)*. Fall LH and **Wilson-Delfosse AL**, eds. www.aquifer.org. Date of First Publication: July 1, 2022

Cholecystitis (Acute)

Fall LH, Fulton TB (Lead Editors); Aronson J, Bauler T, Cole S, Dickinson B, Gallman E, Gibson K, Grimes K, English R, Harris DM, Ngo KD, Lackey-Cornelison W, Lyons V,

Miller L, Olken M, Petro W (student), Poznanski A, Riddle D, Shattuck B, Sheakley M, Sheridan L, Sturtevant J, Yoest J (Contributing Authors in alphabetical order). *Aquifer Sciences Integrated Illness Scripts: Cholecystitis (Acute)*. Fall LH and **Wilson-Delfosse AL**, eds. www.aquifer.org. Date of First Publication: July 1, 2022

Choledocholithiasis

Fall LH, Fulton TB (Lead Editors); Aronson J, Basha M, Bernstein JA, Burghart V (student), Cline S, Drowos J, English R, Ferguson H (student), Grimes K, Harris DM, Hayes N, Heinrich C (student), Kahler G (student), Lindsley J, Lyons V, Nerness R (student), Ngo KD, Rogstad D, Sheridan L, Yoest J (Contributing Authors in alphabetical order). *Aquifer Sciences Integrated Illness Scripts: Choledocholithiasis*. Fall LH and **Wilson-Delfosse AL**, eds. www.aquifer.org. Date of First Publication: July 1, 2022

Deep Vein Thrombosis - Lower Extremity (DVT)

Nixon LJ, Sheridan L (Lead Editors); Aronson, J, Bernstein JA, Cline S, Drowos J, Gallman E, Lindsley J, Lufler R, Lyons V, Metzstein M, Milan F, Moore K, Ngo KD, Yoest J, Zinkhan G (Contributing Authors in alphabetical order). *Aquifer Sciences Integrated Illness Scripts: Deep Vein Thrombosis - Lower Extremity (DVT)*. Fall LH and **Wilson-Delfosse AL**, eds. www.aquifer.org. Date of First Publication: July 1, 2022

Encephalitis (Viral)

Gallman E, Xiong W (Lead Editors); Aronson J, English R, Ferguson H (student), Heinrich C (student), Höner zu Bentrup K, Goldstein J, Kerry J, Nerness R (student), Ngo KD, Russo D, Yoest J (Contributing Authors in alphabetical order). *Aquifer Sciences Integrated Illness Scripts: Encephalitis (Viral)*. Fall LH and **Wilson-Delfosse AL**, eds. www.aquifer.org. Date of First Publication: July 1, 2022

Heart Failure

Furgerson, J, Harris, DM (Lead Editors); Croniger C, Drowos J, English R, Hyland K, Lyons V, Makkar N (student), Miller K, Ngo KD, Singh M, Yoest J (Contributing Authors in alphabetical order). *Aquifer Sciences Integrated Illness Scripts: Heart Failure*. Fall LH and **Wilson-Delfosse AL**, eds. www.aquifer.org. Date of First Publication: July 1, 2022

Infantile Hypertrophic Pyloric Stenosis

Fall LH, Fulton TB (Lead Editors); Allen M (student), Beck A, Bernstein JA, Carroll R, Cassese T, Cline S, Crofton A, Dalmeida D, Dell M, English K (student), English R, Edmondson A, Gorski V, Reichgott M, Sheridan L, Steinman H, Weinstein A, Yoest J (Contributing Authors in alphabetical order). *Aquifer Sciences Integrated Illness Scripts: Infantile Hypertrophic Pyloric Stenosis*. Fall LH and **Wilson-Delfosse AL**, eds. www.aquifer.org. Date of First Publication: July 1, 2022

Influenza

Nixon LJ, Sheridan L (Lead Editors); Bernstein JA, Cho, Y, Cole S, Dickinson B, Drowos J, Gallman E, Gibson K, Höner zu Bentrup K, Kerry J, Lackey-Cornelison W, Miller L, Ngo KD, Olken M, Petro W (student), Riddle D, Russo D, Shattuck B, Sheakley M, Yoest J (Contributing Authors in alphabetical order). *Aquifer Sciences Integrated Illness Scripts: Influenza*. Fall LH and **Wilson-Delfosse AL**, eds. www.aquifer.org. Date of First Publication: July 1, 2022

Meningitis (Bacterial)

Gallman E, Xiong W (Lead Editors); Appelt D, Bidey P, Carroll R, Daly T, English R, Hayes N, Hayward K, Höner zu Bentrup K, Kane B (student), Kerry J, Moll C, Ngo KD, Russo D, Sheridan L, Yoest J (Contributing Authors in alphabetical order). *Aquifer Sciences Integrated Illness Scripts: Meningitis (Bacterial)*. Fall LH and **Wilson-Delfosse AL**, eds. www.aquifer.org. Date of First Publication: July 1, 2022

Myocardial Ischemia

Nixon LJ, Sheridan L (Lead Editors); Bernstein JA, Harris DM, Lufler R, Milan F, Mueller C, Ngo KD, Sturtevant J, Taylor J, Yoest J (Contributing Authors in alphabetical order). *Aquifer Sciences Integrated Illness Scripts: Myocardial Ischemia*. Fall LH and **Wilson-Delfosse AL**, eds. www.aquifer.org. Date of First Publication: July 1, 2022

Osteoarthritis

Nixon LJ, Sheridan L (Lead Editors); Bernstein JA, Bauler T, Colletier K (student), Crofton A, Dickinson B, Gibson K, Hayward K, Lackey-Cornelison W, Larson K, Lyons V, Milan F, Newby D (student), Ngo KD, Olken M, Petro W (student), Poznanski A, Shattuck B, Sheakley M, Wallington D (student), Yoest J (Contributing Authors in alphabetical order). *Aquifer Sciences Integrated Illness Scripts: Osteoarthritis*. Fall LH and **Wilson-Delfosse AL**, eds. www.aquifer.org. Date of First Publication: July 1, 2022

Rheumatoid Arthritis

Nixon LJ, Sheridan L (Lead Editors); Allen M, Bahner I, Beck A, Bradford C, Cassese T, Cho Y, Dickinson B, Drowos J, English K (student), Gallman E, Gorski V, Hayward K, Larson K, Lyons V, Miodownik H (student), Ngo KD, Poznanski A, Reichgott M, Steinman H, Yasin M, Yoest J (Contributing Authors in alphabetical order). *Aquifer Sciences Integrated Illness Scripts: Rheumatoid Arthritis*. Fall LH and **Wilson-Delfosse AL**, eds. www.aquifer.org. Date of First Publication: July 1, 2022

2023 Integrated Illness Script Releases: Wilson-Delfosse senior editor

Alzheimer Disease

- Gallman E, Xiong W (Lead Editors); Ackert K (student), Appelt D, Becker M, Bernstein JA, Dell M, Dickinson B, English R, Fulton TB, Goldstein J, Guinness M, Harris DM, Kane B (student), Kerry J, Milan F, Ngo KD, Nixon LJ, Sheridan L, Yoest JM (Contributing Authors in alphabetical order). *Aquifer Sciences Integrated Illness Scripts: Alzheimer Disease*. Fall LH and **Wilson-Delfosse AL**, eds. www.aquifer.org. Date of First Publication: July 1, 2023

Chronic Obstructive Pulmonary Disease (COPD)

- Furgerson, J, Harris, DM (Lead Editors); Bernstein JA, Conti N, Croniger C, Lufler R, Mourad R, Ngo KD, Nixon LJ, Sheridan L, Singletary A (student), Taylor J, Yoest JM (Contributing Authors in alphabetical order). *Aquifer Sciences Integrated Illness Scripts: Chronic Obstructive Pulmonary Disease (COPD)*. Fall LH and **Wilson-Delfosse AL**, eds. www.aquifer.org. Date of First Publication: July 1, 2023

Hepatitis A Viral Infection

- Fall LH, Fulton TB (Lead Editors); Bahner I, Cariello P, Dell M, English R, Grimes K, Harris DM, Holmstrom S, Lindsley J, Milan F, Ngo KD, Nixon LJ, Poznanski A, Russo D, Sheridan L, Sturtevant J, Yoest JM, Zinkhan G (Contributing Authors in alphabetical

order). *Aquifer Sciences Integrated Illness Scripts: Hepatitis A Viral Infection*. Fall LH and **Wilson-Delfosse AL**, eds. www.aquifer.org. Date of First Publication: July 1, 2023

Herpes Zoster (Shingles)

- Gallman E, Xiong W (Lead Editors); Cariello P, Crofton A, Drowos J, Goldstein J, Harris DM, Hayes N, Kerry J, Lindsley J, Lyons V, Metzstein M, Moore K, Ngo KD, Nixon LJ, Poznanski A, Russo D, Sheridan L, Sturtevant J, Yoest JM (Contributing Authors in alphabetical order). *Aquifer Sciences Integrated Illness Scripts: Herpes Zoster (Shingles)*. Fall LH and **Wilson-Delfosse AL**, eds. www.aquifer.org. Date of First Publication: July 1, 2023

Parkinson Disease

- Gallman E, Xiong W (Lead Editors); Aronson J, Bahner I, Bernstein JA, Bidet P, Ciccocioppo E (student), Cline S, Daly T (student), Drowos J, English R, Goldstein J, Harris DM, Hayes H, Kerry J, Langenau E, Moll C (student), Ngo KD, Nixon LJ, Sheridan L, Yoest JM (Contributing Authors in alphabetical order). *Aquifer Sciences Integrated Illness Scripts: Parkinson Disease*. Fall LH and **Wilson-Delfosse AL**, eds. www.aquifer.org. Date of First Publication: July 1, 2023

Pancreatitis (Acute)

- Furgerson, J, Harris, DM (Lead Editors); Szarek, J, Lyons V, Yoest JM (Primary Contributing Authors); Bernstein JA, Bidet P, Ciccocioppo E (student), Daly T (student), Dell M, Dickinson B, English R, Fulton TB, Grimes K, Kane B (student), Langenau E, McGuinness M, Ngo KD, Nixon LJ, Poznanski A, Sheridan L (Additional Contributing Authors in alphabetical order). *Aquifer Sciences Integrated Illness Scripts: Pancreatitis (Acute)*. Fall LH and **Wilson-Delfosse AL**, eds. www.aquifer.org. Date of First Publication: July 1, 2023

Urinary Tract Infection: Acute Cystitis

- Fall LH, Fulton TB (Lead Editors); Aronson J, Basha M, Bernstein JA, Crowe R, Dalmeida D, Dell M, English R, Gallman E, Harris DM, Höner zu Bentrup K, Kahler G (student), Lyons V, Mangosh TL, Milan F, Ngo KD, Nixon LJ, Rogstad D, Russo D, Sheridan L, Xiong W, Yoest JM (Contributing Authors in alphabetical order). *Aquifer Sciences Integrated Illness Scripts: Urinary Tract Infection: Acute Cystitis*. Fall LH and **Wilson-Delfosse AL**, eds. www.aquifer.org. Date of First Publication: July 1, 2023

Urinary Tract Infection: Pyelonephritis

Fall LH, Fulton TB (Lead Editors); Basha M, Bernstein JA, Crowe R, Dalmeida D, Dickinson B, Drowos J, English R, Gallman E, Harris DM, Höner zu Bentrup K, Kahler G, Lyons V, Manning, E (student), Ngo KD, Nixon LJ, Poznanski A, Rogstad D, Russo D, Sheridan L, Xiong W, Yoest JM (Contributing Authors in alphabetical order). *Aquifer Sciences Integrated Illness Scripts: Urinary Tract Infection: Pyelonephritis*. Fall LH and **Wilson-Delfosse AL**, eds. www.aquifer.org. Date of First Publication: July 1, 2023

Peer-reviewed Scientific Publications:

1. **Wilson, A. L.**, Guyer, C.A., Cragoe, E.J. Jr. and Limbird, L.E. (1990) The hydrophobic tryptic core of the porcine α_2 -adrenergic receptor retains allosteric modulation of binding by Na⁺, H⁺, and 5 amino-substituted amiloride analogs. *J. Biol. Chem.* **265**, 17318-17322.
2. Guyer, C.A., Horstman, D.A., **Wilson, A.L.**, Clark, J.D., Cragoe, E.J. Jr. and Limbird, L.E. (1990) Cloning, sequencing, and expression of the gene encoding the porcine α_2 -adrenergic receptor: Allosteric modulation by Na⁺, H⁺, and amiloride analogs. *J. Biol. Chem.* **265**, 17307-17317.
3. Horstman, D.A., Brandon, S., **Wilson, A.L.**, Guyer, C.A., Cragoe, E.J. Jr. and Limbird, L.E. (1990) An aspartate conserved among G-protein receptors confers allosteric regulation of α_2 -adrenergic receptors by sodium. *J. Biol. Chem.* **265**, 21590-21595.
4. **Wilson, A.L.**, Seibert, K., Brandon, S., Cragoe, E.J. Jr. and Limbird, L.E. (1991) Monovalent cation and amiloride analog modulation of adrenergic ligand binding to the unglycosylated α_2B -adrenergic receptor subtype. *Mol. Pharmacol.* **39**, 481-486.
5. **Wilson, A.L.**, Womble, S.W., Prakash, C., Cragoe, E.J. Jr., Blair, I.A. and Limbird, L.E. (1992) Novel amiloride analog allosterically modulates the α_2 -adrenergic receptor but does not inhibit Na⁺/H⁺ exchange. *Mol. Pharmacol.* **42**, 175-179.
6. Domino, S.E., Repaske, M.G., Bonner, C.A., Kennedy, M.E., **Wilson, A.L.**, Brandon, S. and Limbird, L.E. (1992) Synthesis of a yohimbine-agarose matrix useful for large scale and micropurification of multiple α_2 -receptor subtypes. *Methods Enzymol.* **215**, 181-200.
7. **Wilson, A.L.**, and Maltese, W.A. (1993) Isoprenylation of Rab1B is impaired by mutations in its effector domain. *J. Biol. Chem.* **268**, 14561-14564.
8. **Wilson, A.L.**, and Maltese, W.A. (1995) Coupled translation/prenylation of Rab proteins in vitro. *Methods Enzymol.* **250**, 79-91.
9. Castellano, F., **Wilson, A.L.** and Maltese, W.A. (1995) Intracellular transport and maturation of nascent low density lipoprotein receptor is blocked by mutation in the Ras-related GTP-binding protein, Rab1B. *J. of Receptor & Signal Transduction Research* **15**, 847-862.
10. **Wilson, A.L.**, Sheridan, K.M., Erdman, R.A. and Maltese, W.A. (1996) Prenylation of a Rab1B mutant with altered GTPase activity is impaired in cell-free systems but not in intact mammalian cells. *Biochem. J.* **318**, 1007-1014.

11. **Wilson, A.L.**, Erdman, R.A. and Maltese, W.A. (1996) Association of Rab1B with GDP-dissociation inhibitor (GDI) is required for recycling but not initial membrane targeting of the Rab protein. *J. Biol. Chem.* **271**, 10932-10940.
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13. Overmeyer, J.H., **Wilson, A.L.**, Erdman, R.A. and Maltese, W.A. (1998) The putative "switch II" domain of the Ras-related GTPase, Rab1B, plays a critical role in the interaction with Rab Escort Protein (REP). *Mol. Biol. Cell* **9**, 223-235.
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****Co-corresponding authors**
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23. Wang, X., Yan, M.H., Fujioka, H., Liu, J., **Wilson-Delfosse, A.**, Chen, S.G., Perry, G., Casadesus, G., and Zhu, X. (2012) LRRK2 regulates mitochondrial dynamics and function through direct interactions with DLP1. *Hum. Mol. Genet.* **1**, 1931-44.
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25. Johnson, W.M., **Wilson-Delfosse, A.L.**, and Miewal, J.J. (2012) Dysregulation of Glutathione Homeostasis in Neurodegenerative Diseases. *Nutrients* **4**, 1399-1440.
26. Johnson, W., Chen, Y., Siedlak, S., Wang, W., Zhu, X., Caldwell, G., **Wilson-Delfosse, A.**, Miewal, J., and Chen, S. (2015) Glutaredoxin deficiency exacerbates neurodegeneration in *C. elegans* models of Parkinson's disease. *Hum Mol Genet.* **24**, 1322-35.
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Scientific Book Chapters

Huang, J.J., Prakash, C., Womble, S.W., **Wilson, A.L.**, Limbird, L.E., and Blair, I.A. (1994) "Mass spectrometric approaches to the characterization of binding sites on enzymes and membrane receptor proteins." *Biological Mass Spectrometry: Present and Future* (Matsuo, T.M., Caprioli, R.C., Gross, M.L., and Seyama, Y. eds.), John Wiley & Sons, Ltd., New York, pp 331-344.

Horstman, D.A., Brandon, S., **Wilson, A.L.**, Guyer, C.A. and Limbird, L.E. (1991) Identification of a single aspartate residue in the α_2 -adrenergic receptor that confers sodium regulation of receptor ligand interactions. In: *Adrenoceptors: Structure, Mechanisms, Function*. *Advances in Pharmacological Sciences*, Birkhauser Verlag Basel, pp. 149-158

Medical Education Presentations – Regional/National/International

- 5/05 "Team-based Learning: An Effective Approach for Teaching Pharmacology?" (Boston, MA)
Poster presentation: Harvard Macy Program for Educators of Health Professionals
- 6/05 "Team-based Learning: An Effective Approach for Teaching Pharmacology?" (Wright State University, Dayton, OH)
Poster and Oral presentation: National Team-based Learning Conference
- 7/06 "Team-based Learning: An Effective Method for Teaching Pharmacology" (San Juan, Puerto Rico)
International Association of Medical Science Educators
**Outstanding Presentation Award (selected one of eighty-eight presentations)*
- 11/07 "Team-based Learning: An Effective Method for Teaching Pharmacology", Washington, DC
American Association of Medical Colleges Invited Oral Presentation
- 10/08 "Assessments that Matter: Beyond Knowledge and Recall of Factual Information"
International Association of Medical Science Educators
Webinar by Klara K. Papp, Ph.D. and Amy L. Wilson-Delfosse, Ph.D – attendees represented 47 schools and 5 countries.

- 12/08 “Western Reserve2 – Building on the Traditions of the Western Reserve Curriculum”
University of Minho School of Medicine (Braga, Portugal) invited speaker
- 3/09 “IQ+: Integrating Medical Sciences and Patient Care in a Core Clerkship Curriculum”
Invited workshop leader
Mayo Clinic
Central Group on Educational Affairs (CGEA)
- 3/09 “Planning Transition in the Sea of Change” (Workshop)
Invited workshop leader
Mayo Clinic
Central Group on Educational Affairs (CGEA)
- 4/09 “Western Reserve2: Integrating Basic and Clinical Sciences: Building on the Traditions of the Western Reserve Curriculum”
Selected workshop leader
Experimental Biology 2009
Division of Pharmacology Education
New Orleans, LA
- 7/09 “Pass/Fail: Renewing the Commitment in WR2”
International Association of Medical Science Educators Annual Meeting
Selected workshop leader
Leiden University School of Medicine
Leiden, The Netherlands
- 7/09 “Basic Science in the Clinical Years”
International Association of Medical Science Educators Annual Meeting
Selected workshop leader
Leiden University School of Medicine
Leiden, The Netherlands
- 7/09 “PharmWeb: Catching Student Interest and Increasing Knowledge with Interactive Online Modules”
Poster Presentation
Authors: Peggy Y. Kim, David W. Allbritton, Ruth A. Keri, John J. Mieyal, Christine L. Gosen and Amy L. Wilson-Delfosse
International Association of Medical Science Educators Annual Meeting
Leiden University School of Medicine
Leiden, The Netherlands

- 4/10 "Making the Pharmacology Classroom More Clinically Relevant"
Selected workshop leader
Experimental Biology 2010
Division of Pharmacology Education
Anaheim, CA
- 6/10 "Restructuring a Basic Science Curriculum: The Western Reserve2
Example"
Invited speaker and workshop leader
Weill Cornell Medical College
New York, New York
- 7/10 "Participation in Supplemental Online Pharmacology Modules Results in
Learning Gains and Student Engagement"
Poster Presentation
Authors: Peggy Y. Kim, David W. Allbritton, Ruth A. Keri, John J. Mieyal,
and Amy L. Wilson-Delfosse
International Association of Medical Science Educators Annual Meeting
New Orleans, LA
- 7/10 "Integrating Basic Sciences into the Clerkship Years: Development of an
Assessment Method"
Poster Presentation
Authors: James P. Bruzik, Terry M. Wolpaw, Amy L. Wilson-Delfosse,
Kathy Cole-Kelly and Daniel R. Wolpaw
International Association of Medical Science Educators Annual Meeting
New Orleans, LA
- 9/10 "Teaching Basic Science in the Clinical Years"
Invited presentation and workshop leader
Association for Medical Education in Europe (AMEE) annual
meeting
- 4/11 "Essays for a Large Medical School Class"
Selected workshop leader
Experimental Biology 2011
Division of Pharmacology Education
Washington, DC
- 2/11 "Integrating Basic and Clinical Sciences"
Invited workshop leader
Florida International University School of Medicine
Miami, FL
- 6/11 "Integrating Basic Science Into Clinical Training"

- Invited workshop leader
International Association of Medical Science Educators (IAMSE)
St. Petersburg, FL
- 6/11 “PBL *versus* TBL”
Invited workshop leader
International Association of Medical Science Educators (IAMSE)
St. Petersburg, FL
- 6/11 “Assessment in WR2”
Invited participation in NBME presentation on customized
assessments
International Association of Medical Science Educators (IAMSE)
St. Petersburg, FL
- 2/12 “Western Reserve2: An Integrated Approach to Learning”
Invited speaker and workshop leader
Touro University Nevada College of Osteopathic Medicine
Henderson, NV
- 6/12 “Becoming Inquiry Group Faculty”
Invited speaker and workshop leader
Vanderbilt University School of Medicine
Nashville, TN
- 6/12 “Essay Assessments for a Large Medical School Class”
Invited speaker
Vanderbilt University School of Medicine
Nashville, TN
- 6/12 “Providing High Quality Feedback”
Invited speaker and workshop leader
Vanderbilt University School of Medicine
Nashville, TN
- 6/12 “Integrating Basic Science Into Clinical Training”
Invited workshop leader
International Association of Medical Science Educators (IAMSE),
Portland, OR
- 8/12 “Becoming Inquiry Group Faculty”
Invited speaker and workshop leader
Florida Atlantic University School of Medicine
Boca Raton, FL

- 9/12 "The Western Reserve² Curriculum and the Use of the "New" PBL to Develop Self-directed Learning, Problem Solving and Teamwork Skills"
Scholarship of Teaching and Research in Medical Education seminar series invited speaker and workshop leader
Boonshoft School of Medicine, Wright State University
Dayton, OH
- 10/12 "The Western Reserve² Curriculum and the Use of the "New" PBL to Develop Self-directed Learning, Problem Solving and Teamwork Skills"
Cedarville University School of Pharmacy
Cedarville, OH
- 3/13 "Case-based Teaching: Designing a Case for Medical Education"
Invited presenter and workshop leader
Virginia Commonwealth University School of Medicine
Richmond, VA
- 3/13 "Use of an Innovative Problem-Based Learning Approach to Develop Self-Directed Learning, Problem Solving and Teamwork Skills"
Invited presenter and workshop leader
Virginia Commonwealth University School of Medicine
Richmond, VA
- 3/13 "Essay Assessments for a Large Medical School Class"
Invited presenter
Virginia Commonwealth University School of Medicine
Richmond, VA
- 4/13 "Integrating Basic Science and Clinical Medicine"
Invited speaker
Penn State University College of Medicine
Hershey, PA
- 4/13 "Use of an Innovative Problem-Based Learning Approach to Develop Self-Directed Learning, Problem Solving and Teamwork Skills"
Invited speaker and workshop leader
Penn State University College of Medicine
Hershey, PA
- 6/13 "Integration of Basic Science and Clinical Medicine Across Health Professions Curricula"
Invited workshop leader
International Association of Medical Science Education

St. Andrews, Scotland

- 8/13 "Use of an Innovative Problem-Based Learning Approach to Develop Self-Directed Learning, Problem Solving and Teamwork Skills"
Plenary speaker and workshop leader
Oklahoma State University College of Osteopathic Medicine
Tulsa, OK
- 8/13 "Essay assessments for a large medical school class"
Invited speaker
Oklahoma State University College of Osteopathic Medicine
Tulsa, OK
- 10/13 "Use of Student-Centered Learning Teams to Develop Self-Directed Learning, Problem Solving and Teamwork Skills"
Plenary speaker
People's Hospital Peking University
Beijing, China
- 12/13 "The Western Reserve² Curriculum and the Use of the "New" PBL to Develop Self-directed Learning, Problem Solving and Teamwork Skills"
Plenary Speaker
UTMB Academy of Master Teachers Faculty Development Day
University of Texas Medical Branch Galveston, TX
Invited workshop leader
- 5/14 "Essay Assessments for Large (or Small) Health Professions Classes: Promoting Deep Concept Learning"
University of Texas Medical Branch Galveston, TX
Invited workshop leader
- 6/14 "Continuous Integration of Basic Science and Clinical Medicine: Developing a Longitudinal Curriculum"
Invited workshop leader
International Association of Medical Science Educators (IAMSE),
Nashville, TN
- 4/15 "A New Twist on Student Orientation: Students Handing-off a Culture of Professionalism to their Junior Peers"
Workshop leader
Central Group on Educational Affairs of the American Association of Medical Colleges (CGEA of the AAMC)
Columbus, OH
- 6/15 "Role of Basic Science in Clinical Decision Making (Integration

- across all four years)”
Invited workshop leader
International Association of Medical Science Educators (IAMSE),
San Diego, CA
- 12/15 “The Western Reserve² Curriculum and the Use of the “New” PBL to Develop Self-directed Learning, Problem Solving and Teamwork Skills”
Plenary speaker and workshop leader
Zhejiang University School of Medicine
Regional Medical Education Conference
- 5/16 Essay Exams: Beyond Knowledge and Recall of Factual Information
IAMSE Web Seminar (with Klara Papp)
- 6/16 “Essay Assessments for Large (or Small) Health Professions Classes: Promoting Deep Concept Learning”
Invited Workshop leader
International Association of Medical Science Educators (IAMSE),
Leiden, The Netherlands
- 6/16 “Trust me, I know my science! Leveraging basic science understanding to assess entrustable clinical decision-making”
Invited Workshop leader
International Association of Medical Science Educators (IAMSE),
Leiden, The Netherlands
- 6/16 “The Western Reserve² Curriculum and the Use of the “New” PBL to Develop Self-directed Learning, Problem Solving and Teamwork Skills”
Wayne State University School of Medicine
Detroit, MI
Invited workshop leader
- 2/17 TBL 101 – Introduction to Team-Based Learning
Cleveland Clinic Learner College of Medicine
Basic Science Education Retreat
Cleveland, OH
- 6/17 TBL 101 – Introduction to Team-Based Learning
VA Center of Excellence Retreat
Louis Stokes VA Medical Center
Cleveland, OH
- 6/17 “Just Do What Feels Right”

Department of Pharmacology
Vanderbilt University
Student Invited Forum
Invited Platform Presentation

- 6/17 “In Science We Trust – Integration of Clinical and Basic Sciences as a Road to Entrustment”
Burlington, VT
International Association of Medical Science Educators
Invited pre-conference (6-hour) faculty development course leader (with Leslie Fall, James Nixon, Brian Wilcox, Tracy Fulton and Ann Poznanski)
- 6/17 “The Science Behind Entrustment: Using Cognitive Research to Integrate Basic and Clinical Sciences”
Burlington, VT
International Association of Medical Science Educators
Invited workshop (90-minute) leader (with Nicole Woods, Leslie Fall, James Nixon, Brian Wilcox, Tracy Fulton and Ann Poznanski)
- 6/17 “The LO Connection: A Template for Development of Learning objectives in which Basic Science Concepts are Authentically Applied to Clinical Decision-Making”
Oral Presentation
Burlington, VT
International Association of Medical Science Educators
Tracy Fulton (presenting author), Michael Dell, Leslie Fall, James Nixon, Ann Poznanski and Amy Wilson-Delfosse
- 6/17 “Collaborative Development of Illness Scripts to Improve Intentional Integration of Basic Sciences into Clinical Learning and Patient Care”
Poster Presentation
Burlington, VT
International Association of Medical Science Educators
Leslie Fall, Michael Dell, Tracy Fulton, James Nixon, Ann Poznanski, and Amy Wilson-Delfosse
- 6/17 “First Do No Harm: Cognitive Integration of Basic Science In Clinical Decision Making To Reduce Medical Error And Prevent Harm”
Poster Presentation
Burlington, VT
International Association of Medical Science Educators

Ann Poznanski, Michael Dell, Leslie Fall, Tracy Fulton, James Nixon, and Amy Wilson-Delfosse

- 7/17 The Western Reserve² Curriculum and the Use of the “New” PBL to Develop Self-directed Learning, Problem Solving and Teamwork Skills
Presentation and small group facilitation skills workshop
Wayne State University School of Medicine
Detroit, MI
- 9/17 The Western Reserve² Curriculum and the Use of the “New” PBL to Develop Self-directed Learning, Problem Solving and Teamwork Skills
Presentation and small group facilitation skills workshop
Cooper Medical School of Rowan University
Camden, NJ
- 9/17 Away with Lectures and in with Team Based Learning!
An Introduction to Team-Based Learning
Workshop (primarily for clerkship directors and clinical faculty)
Cooper Medical School of Rowan University
Camden, NJ
- 9/17 B-SOAP-V: Meaningful integration of basic, clinical and health systems science using clinical scenarios demonstrating clinical and systems consequences of basic science knowledge gaps.
AMA ACE Consortium Meeting
Chicago, IL
Co-led workshop with Jed Gonzalo, Stephanie Starr and Leslie Fall
- 10/17 “MedU Science Initiative”
Oral presentation
MedU Annual Meeting
Boston, MA
- 11/17 “Constituting the Learning Environment to Encourage the Master Adaptive Learner: An Exploratory Discussion”
AAMC Annual Meeting
Boston, MA
Co-led workshop with Nicole Roberts, Michelle Daniel, Rajesh Mangrulkar, Bonnie Miller, Patricia O’Sullivan, Sally Santen, William Cutrer
- 12/17 “Writing an Effective Teaching Analogy”
Workshop (co-presented with Tracy Fulton and Gustavo Valbuena)

UCSF School of Medicine
San Francisco, CA

- 6/18 Integrate now: evidence-based tools to advance cognitive integration of basic and clinical sciences
Annual conference of the International Association of Medical Science Educators
Henderson, NV
Co-led 6 hour workshop with Leslie Fall, Mike Dell, Brian Wilcox, Tracy Fulton, Ann Poznanski and David Harris
- 3/19 How to use basic science conceptual learning to support clinical features and foster integration
Workshop – co-led with David Harris and Leslie Fall
AAMC Southern Group on Educational Affairs
Orlando, FL
- 6/19 Integration in Action!
Annual conference of the International Association of Medical Science Educators
Roanoke, VA
Co-led 6 hour workshop with Leslie Fall, Mike Dell, David Harris, Tracy Fulton, Robin English and James Nixon
- 6/19 The Integrated Illness Script: Answering the “Why” question in Diagnostic Reasoning
Poster Presentation - Wilson-Delfosse first author and presenter
Annual conference of the International Association of Medical Science Educators
Roanoke, VA
- 7/20 WEBINAR
Aquifer Educator-to-Educator Webinars
Maximizing Use of the Aquifer Case Library to Solve Curricular Challenges – Aquifer Content to Embed in Basic Science Courses
107 Registrants
- 11/20 Plenary: Cognitive Integration of Basic Science and Clinical Medicine to Support Effective Clinical Decision-Making
Medical College of Wisconsin School of Medicine (all campuses)
Co-presented with Leslie Fall, MD
84 registrants
- 11/20 Webshop: Student-centered Teaching and Learning
Medical College of Wisconsin School of Medicine (all campuses)

- Role: Webshop leader
64 registrants
- 11/20 Webshop: Integrating Basic Science into Clinical Reasoning and Decision Making
Medical College of Wisconsin School of Medicine (all campuses)
Role: Webshop facilitator
62 registrants
- 3/21 Medical Education Grand Rounds: Skills to Promote Cognitive Integration of Basic Science and Clinical Medicine
Co-presented with Leslie Fall, MD
Texas Christian University
- 3/21 Webshop: Creating Integrated Illness Scripts for Clinical Conditions
Texas Christian University
Role: Co-leader with Leslie Fall, MD
24 registrants
- 4/21 Webshop: Creating Mechanism of Disease Maps for Clinical Conditions
Texas Christian University
Role: Co-leader with Leslie Fall, MD
- 5/21 Public Webshop: Creating Integrated Illness Scripts for Clinical Conditions: A Hands-On Aquifer Webshop
Role: Co-leader with Leslie Fall, MD
36 registrants
- 6/21 Integration in Action: Strategies to promote cognitive integration through curriculum and learning design
6-hour Pre-conference Faculty Development Course
Annual Conference of the International Association of Medical Science Educators (virtual)
Role: Co-leader with Leslie Fall, MD
37 registrants
- 6/21 Public Webshop: Creating MOD Maps for Clinical Conditions
Role: Co-leader with Leslie Fall, MD
18 registrants
- 9/21 Simulive Webinar: Teaching with Aquifer Integrated Illness Scripts: A Quickstart Guide
Co-presenter with Leslie Fall, MD
Virtual

- 9/21 Webinar: Facilitating Learning: The Do's and Don'ts of Being a Small Group Facilitator
Association of Biochemistry Educators
Virtual
- 9/21 ChangeMedEd2021
Ready to share workshop - 3 pillars: Curricular tools for integrating basic, clinical and health systems sciences, Kathryn Miller, Anastasia Rowland-Seymour, Karen Mulloy and Amy Wilson-Delfosse
Virtual
- 10/21 Plenary: Promoting Intentional Cognitive Integration of Basic Science and Clinical Medicine
Quillen College of Medicine
East Tennessee State University
Virtual
- 10/21 Plenary: Promoting Intentional Cognitive Integration with Aquifer Sciences
Annual meeting of the Aquifer Faculty Consortium
Virtual
- 11/21 Public Aquifer Webshop: Quick and Easy Solutions for Teaching Clinically Relevant Basic Sciences: Integrated Illness Scripts in Action
Virtual
- 2/2/22 Plenary: Promoting Intentional Cognitive Integration of Basic Science and Clinical Medicine
Nova Southeastern University College of Medicine
Virtual
- 6/2022 Workshop (6h): Integration in the Classroom: Strategies to Create and Implement Integrated Learning Sessions to Promote Cognitive Integration
Co-facilitated with: Leslie Fall, David Harris, Tracy Fulton, James Nixon, Khiet Ngo, Leah Sheridan

Annual Conference of the International Association of Medical Science Educators, Denver, CO
- 8/2023 Preparing Students to Deliver Patient Care: The Value of Integrating Basic, Clinical, and Health Systems Sciences

Association of Medical Education in Europe (AMEE) annual conference

Digital Poster and Short Oral Presentation
Glasgow, Scotland

12/24

Use of the “New” PBL to Develop Self-directed Learning, Problem Solving, and Teamwork Skills – Workshop
University of Houston College of Medicine, Houston, TX

Promoting Intentional Cognitive Integration of Basic Science and Clinical Medicine – Plenary with discussion

University of Houston College of Medicine, Houston, TX

Essay-based Assessments ... for a Large Medical School Class???
– Interactive Presentation

University of Houston College of Medicine, Houston, TX

Generative AI in Action: Practical Applications for Medical Educators – Mini Workshop

University of Houston College of Medicine, Houston, TX

1/25

The Next Five Years of Medical Education
Seminar

Northeast Ohio Medical University College of Medicine
Rootstown, OH

Local Presentations

12/2024

Generative AI in Action: Practical Applications for Medical Educators

University Hospitals Cleveland Medical Center, Department of Surgery
Cleveland, OH

Medical Education Consulting Work

6/10-3/11

Hofstra University School of Medicine (review and editing of problem-based learning cases)

2012-present

Aquifer Inc. (formerly MedU) aquifer.org – non-profit medical education company. Current role is Academic Director for Sciences.

7/13-9/13

Penn State Hershey College of Medicine (review and editing of problem-based learning cases)

1/2016	Penn State College of Medicine Regional Campus (curriculum planning)
2021, 2022	Athena Ed, LLC (participate as a mock LCME site visitor)
12/2024	University of Houston College of Medicine – Visiting Professorship

Invited Lectures/Presentations at Scientific Meetings

6/93	ASBMB Satellite Meeting: The Biological Significance of Covalent Modifications of Proteins by Lipids
8/95	FASEB Summer Conference: Lipid Modifications of Proteins
8/97	17 th International Congress of Biochemistry and Molecular Biology
9/98	Ireland Cancer Center of CWRU and University Hospitals
10/98	The College of Wooster, Departments of Biology and Chemistry
2/99	Department of Neurosciences, CWRU, Cleveland, OH
2/99	Department of Cell Biology, Cleveland Clinic Foundation, Cleveland, OH
11/99	Metro Health Medical Center, Cleveland, OH
11/99	The Ohio Physiological Society 15 th Annual Meeting, Miami University
11/01	Department of Pharmacology, Wayne State University, Detroit, MI
5/02	Ireland Cancer Center of CWRU and University Hospitals
5/02	Cleveland Membrane Trafficking, CWRU and the Cleveland Clinic Foundation
4/04	Metro Health Medical Center, Cleveland, OH
8/10	“Characterization of LRRK2 Cellular and Signaling Pathways” Michael J. Fox Foundation Meeting of the LRRK2 Biology Consortium New York, New York