

CURRICULUM VITAE

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I. PRESENT POSITION

- 2020 **Essentia Institute of Rural Health (EIRH)** – Associate Research Scientist
The focus of EIRH research is to improve our patient’s health by engaging in studies of rural healthcare delivery, government and industry-based clinical trials, and disease-related issues.

II. EDUCATION

- 2020 Ph.D. – University of Minnesota, Minneapolis MN
- Social & Administrative Pharmacy (SAPh)
 - Dissertation: *Patient Centeredness in Pharmacist Practice: Revealing a foundation for what counts to patients*
- 2015 Pharm.D. – University of Minnesota, Duluth MN
- Commencement Speaker
- 2009 M.Ed. – George Mason University, Fairfax VA
- Summa cum Laude
 - Teach for America cohort
- 2007 B.A. – St. Olaf College, Northfield MN
- Magna cum Laude

III. HONORS & AWARDS

- 2020 **Peters Endowment Research Scholarship** – University of Minnesota, College of Pharmacy
Awarded to a project that stimulates innovation and research advancing pharmacist practice. Funds used to support doctoral thesis titled “Patient-centeredness in Pharmacist Practice: Building a foundation for what counts to patients.”
- 2019 **Distinguished Young Pharmacist** – Minnesota Pharmacists Association
Sponsored by Pharmacists Mutual Companies, the Distinguished Young Pharmacist Award recognizes one pharmacist from each of the 50 states, who have received their Pharm.D. sometime in the last ten years, who has distinguished himself/herself in the field of pharmacy.
- 2017 **Albert Wertheimer Leadership Fellowship** – University of Minnesota, College of Pharmacy
Awarded annually to a graduate student that has demonstrated a desire to pursue a leadership role in pharmacy.

- 2016 **SAPh First Year Fellowship Award** – University of Minnesota, College of Pharmacy
Awarded by graduate faculty teaching in the Social & Administrative Pharmacy Ph.D. program to the top first-year graduate student for academic performance, scholarly activity, and engagement.
- 2015 **Lilly Achievement Award** – University of Minnesota, College of Pharmacy
For a graduating student who exemplifies scholastic & professional achievement, leadership ability, & ethical conduct.
- 2015 **Bulldog Award** – University of Minnesota Duluth
The University's top service award for students, given to only three individuals university-wide who have served in at least one area where outstanding service has positively affected the University community.
- 2014 **Excellence in Public Health Pharmacy Practice Award** – U.S. Public Health Service
Awarded by U.S. Deputy Surgeon General to student pharmacists demonstrating a commitment to public health.
- 2014 **College Board Pharm.D. III Award** – University of Minnesota, College of Pharmacy
Awarded to a third-year student pharmacist for outstanding contributions to and involvement in the profession, the college, and the student body.
- 2014 **Cardinal Health Student Leader** – University of Minnesota, College of Pharmacy
The representative for the University of Minnesota at a conference sponsored and run by Cardinal Health for "future leaders of pharmacy to develop their leadership and collaboration skills."
- 2014 **Student of the Month, Rho Chi Honor Soc.**– University of Minnesota, College of Pharmacy
- 2014 **Peters Achievement Scholarship**– University of Minnesota, College of Pharmacy
Awarded to a student pharmacist in recognition of financial need and extracurricular activities.
- 2014 **Inter-campusizer Award** – American Pharmacists Association (APhA) - Academy of Student Pharmacists (ASP), University of Minnesota Chapter
- 2014 **Student of the Month** - Rho Chi Honor Society, University of Minnesota Chapter
- 2013 **Michelle Mentzer Memorial Scholarship**
Annual scholarship awarded to a student who demonstrates spirit, enthusiasm, and courage that inspires colleagues to make changes in pharmacy.

- 2013 **Spokesman of the Year** - APhA-ASP, University of Minnesota Chapter
Awarded to the member that best represents and advocates for the mission and vision of MPSA.
- 2013 **Best New Initiative** - APhA-ASP, University of Minnesota Chapter
Awarded to the member who leads the most promising new program or project of the year.
- 2012 **Peters' Leadership Circle Scholarship** – University of Minnesota, College of Pharmacy
Awarded to a student pharmacist with strong communication skills who have demonstrated excellence by leading a new initiative.
- 2007 **Special Congressional Recognition**, The United States Congress
Awarded for founding and leading a service program to help rebuild the Gulf Coast after Hurricane Katrina.
- 2003 **Buntrock Scholarship**, St. Olaf College (\$96,000)
Awarded to incoming St. Olaf students with outstanding academic accomplishment and exemplary achievement across many facets of the high school experience. This is the top academic scholarship provided by the college and given to less than 30 students annually.

IV. RESEARCH SPECIALIZATION

I study the theoretical conceptualization, implementation, and evaluation of patient-centeredness as it relates to the real-world practice of pharmacist patient care. The work is grounded in patient-centered care principles; health behavior theories; decision-making theories; and cognitive, social, and behavioral psychology. Areas of research specialization include: (1) evaluation of patient preferences and experiences of care encounters with pharmacists (2) patients' processing of medication information and resultant decision-making, (3) health services program evaluation, (4) health systems improvement, and (5) legislative, policy, and workforce effects on the delivery of pharmacist services.

Findings from these areas of research contribute to: (1) improved quality of patient-centered care by pharmacists, (2) the development and delivery of pharmacist services, (3) an understanding of patients' knowledge, use, and evaluation of pharmacist services, (4) decision-making about pharmacist services for improving patient care outcomes and containing health care costs.

V. PUBLICATIONS & PRESENTATIONS

Peer-Reviewed Publications Published

1. Rickles NM, **Olson AW**, Tieger PD, Schommer JC, Brown & LM. (Sep 2020). Use of the Jung/Myers Model of Personality Types to Identify and Engage with Individuals at Greatest Risk of Experiencing Depression and Anxiety. *Journal of Behavioral Health Services & Research*. doi: 10.1007/s11414-020-09724-2. Retrieved from https://link.springer.com/epdf/10.1007/s11414-020-09724-2?sharing_token=duohODac3FKOFHpQZ_JHPe4RwlQNchNByi7wbcMAY7nmu3qs-yoQigMqHOGa0ZSJv1EyK75sN0eDN7Th8WjHdpuKyjM7NybungmgUfsUKf3sooQrYIQXVngSYjmDUYNhgDDiPYtF4JlpyYs4pb_STDb_FT_WSRHZ57ZWYtC4%3D
2. Knapp KK, **Olson AW**, Schommer JC, Gaither CA, Mott DA, & Doucette WR. (May 2019). Retail Clinics Co-Located with Pharmacies: A Delphi Study of Pharmacist Impacts and Recommendations for Optimization. *Journal of the American Pharmacists Association*, 60(2), 311-318. doi: 10.1016/j.japh.2019.04.014. Retrieved from [https://www.japha.org/article/S1544-3191\(19\)30197-9/fulltext](https://www.japha.org/article/S1544-3191(19)30197-9/fulltext)
3. Schommer JC, **Olson AW**, Isetts BJ. (May 2019). Transforming Community-based Pharmacy Practice through Financially Sustainable Centers for Health and Personal Care. *Journal of the American Pharmacists Association*, 59(3), 306-309. doi: 10.1016/j.japh.2018.10.009. Retrieved from [https://www.japha.org/article/S1544-3191\(18\)30439-4/fulltext](https://www.japha.org/article/S1544-3191(18)30439-4/fulltext)
4. **Olson AW**, Schommer JC, Hadsall RS. (Jun 2018). A 15 Year Ecological Comparison for the Market Dynamics of Minnesota Community Pharmacies from 2002 to 2017. *Pharmacy*, 6(2), 50. Retrieved from <http://www.mdpi.com/2226-4787/6/2/50>
5. **Olson AW**, Isetts BJ, Kondic AM, & Schommer JC. (Jul 2017). Comparing the research contributions of Community Pharmacy Foundation funding on practice innovation between non-academics and academics. *Innovations in Pharmacy*, 8(3). Retrieved from <http://pubs.lib.umn.edu/innovations/vol8/iss3/3>
6. Schommer JC, Tieger PD, **Olson AW**, & Brown LM. (May 2017). Associations between modifiable Health-Risk Factors and Personality Type. *Innovations in Pharmacy*, 8(2). Retrieved from <http://pubs.lib.umn.edu/innovations/vol8/iss2/15>
7. Isetts BJ, **Olson AW**, Kondic AM, & Schommer JC. (Jan 2017). An evaluation of the distribution, scope, and impact of the Community Pharmacy Foundation grants completed by academic principal investigators between 2002 and 2015. *Innovations in Pharmacy*, 8(1). Retrieved from <http://pubs.lib.umn.edu/innovations/vol8/iss1/7/>
8. Schommer JC, Tieger PD, **Olson AW**, & Brown LM. (Jan 2017). Applying Personality Type Theory to Develop Individualized Wellness Plans for Reducing Chronic Disease. *Innovations in Pharmacy*, 8(1). Retrieved from <http://pubs.lib.umn.edu/innovations/vol8/iss1/7/>

Peer-Reviewed Publications *Published (cont'd)*

9. **Olson AW**, Schommer JC, Mott DA, & Brown LB. (Oct 2016). Financial Hardship from Purchasing Medications for Senior Citizens before and after the Medicare Modernization Act of 2003 and the Patient Protection and Affordable Care Act of 2010: Findings from 1998, 2001, and 2015. *Journal of Managed Care & Specialty Pharmacy*, 22(10). Retrieved from <https://www.jmcp.org/doi/10.18553/jmcp.2016.22.10.1150>
10. Schommer JC, Tieger PD, **Olson AW**, Brown LM, & Tomaszewski DM. (Oct 2015). Development of the adherence predictive index for medication taking. *Innovations in Pharmacy*, 7(1). Retrieved from <http://pubs.lib.umn.edu/innovations/vol7/iss1/11>

Peer-Reviewed Journal *Guest Editor*

1. Schommer JC & **Olson AW**. (Sep 2019). Pharmacist Services. *Pharmacy*, 7(3). Retrieved from https://www.mdpi.com/journal/pharmacy/special_issues/Pharmacist_Services

Peer-Reviewed Abstracts from Scientific Presentations *Presented*

1. **Olson AW**, Schommer JC, Rickles NM, Chapman LB, & Tieger PD. (Mar 2020). Pharmacist Use of the Jung/Myers Model of Personality Types to Improve Screening, Engagement, and Support for Individuals Experiencing or Prone to Anxiety and Depression but are Undiagnosed. Podium scheduled to be presented at the canceled the 166th Annual Meeting of the American Pharmacists Association, Washington DC but a video recording submitted for the APhA2020 Virtual Program.
2. **Olson AW**, Knapp KK, Schommer JC, Gaither CA, Mott DA, & Doucette WR. (Mar 2019). Retail Clinics Co-Located with Pharmacies: A Delphi Study of Pharmacist Impacts and Recommendations for Optimization. Podium presented at the 165th Annual Meeting of the American Pharmacists Association, Seattle WA.
3. **Olson AW** & Schommer, JC. (Aug 2018). Pharmacist-delivered Patient-centered Care: Exploring an untested assumption. Podium presented at the 18th Midwest Social and Administrative Pharmacy Conference, Madison, WI.
4. **Olson AW**, Schommer, JC, & Hadsall, R. (Jul 2018). Market Dynamics for Community Pharmacies in Minnesota between 1992 and 2017. Poster presented at the 10th International Social Pharmacy Workshop, Leuven, Belgium.
5. Schommer JC, Cernasev A, Hillman L, & **Olson AW**. (Jul 2018). Assembling a Layered Approach for Medication Optimization. Workshop presented at the 10th International Social Pharmacy Workshop, Leuven, Belgium.

Peer-Reviewed Abstracts from Scientific Presentations Presented (cont'd)

6. **Olson AW**, Schommer JC, & Brown LM. (Mar 2018). A descriptive comparison of healthcare utilization, relationships, and diagnoses for outlier personality groups in the US adult population. Poster presented at the 165th Annual Meeting of the American Pharmacists Association, Nashville TN.
7. **Olson AW**, Schommer JC, Tieger PD, Brown LM, & Tomaszewski DM. (Mar 2017). A description of the U.S. adult population's medication experiences segmented by Medication Beliefs and the Big-Five Trait Taxonomy. Poster presented at the 164th Annual Meeting of the American Pharmacists Association, San Francisco CA.
8. **Olson AW**, Schommer JC, Tieger PD, & Brown LM. (Aug 2016). Exploration of a modified Transtheoretical Model integrating a 'cognitive style' construct to improve tailoring of interventions. Poster presented at the 17th Midwest Social and Administrative Pharmacy Conference, Ann Arbor, MI.
9. **Olson AW**, Rockwood TH, & Schommer JC. (Aug 2016). The optimal roles and contributions of pharmacists in Minnesota health systems from the healthcare executive perspective. Podium presented at the 17th Midwest Social and Administrative Pharmacy Conference, Ann Arbor, MI.
10. Schommer JC, **Olson AW**, Tieger PD, Brown LM, & Tomaszewski DM. (Jul 2016). Use of preferred communication styles and necessity-concerns differentials to address individual variability when providing medication services. Poster presented at the 9th International Social Pharmacy Workshop, Aberdeen, Scotland.
11. **Olson AW**, Schommer JC, Tieger PD, & Brown LM. (May 2016). A description of the U.S. adult population's medication experiences using an agglomerative hierarchical clustering method. Poster presented at the ISPOR 21st Annual International Meeting, Washington, DC.
12. **Olson AW**, Schommer JC, Mott DA, & Brown LM. (Mar 2016). Prescription drug payment and procurement for seniors before and after the Medicare Modernization Act of 2003: Snapshots from 1998, 2001, and 2015. Poster presented at the 163rd Annual Meeting of the American Pharmacists Association, Baltimore MD.
13. **Olson AW**, Schommer JC, Tomaszewski D, & Brown LM. (Mar 2016). Financial hardship from medication expenses and its association with pharmacist roles and medication adherence: Findings from the 2015 National Consumer Survey on the Medication Experience and Pharmacist Roles. Poster presented at the 163rd Annual Meeting of the American Pharmacists Association, Baltimore MD.

Peer-Reviewed Abstracts from Scientific Presentations Presented (cont'd)

14. Schommer JC et al. (Mar 2016). A segmentation analysis of the U.S. adult population regarding medication experiences. Poster presented at the annual meeting of the American Pharmacists Association, Baltimore MD.
15. Schommer JC, **Olson AW**, Brown LM. (Mar 2016). A geospatial analysis of health disparities and reliance on pharmacists: Findings from the 2015 National Consumer Survey on Medication Experiences. Poster presented at the 163rd Annual Meeting of the American Pharmacists Association, Baltimore MD.
16. Schommer JC, **Olson AW**, Tieger PD, Brown LM, & Tomaszewski DM. (Mar 2016). Development of the Adherence Predictive Index (API) for medication taking. Poster presented at the 163rd Annual Meeting of the American Pharmacists Association, Baltimore MD.
17. **Olson AW** & Fierke KK. (Apr 2015). Voluntary leadership development sessions designed to document student perceptions, motivations, experiences, and goals. Poster presented at the Annual Meeting of the Academy of Distinguished Teacher's Conference, Minneapolis, MN.
18. **Olson AW**, Bickler WJ, Murugappan M, Timm S. (Mar 2013). Interprofessional approaches to healthcare and safe medication practices for underinsured patients. Poster presented at the 160th Annual Meeting of the American Pharmacists Association, Los Angeles CA.
19. **Olson AW** & Bickler WJ. (Feb 2013). Interprofessional approaches to healthcare and safe medication practices for underinsured patients. Poster presented at Dr. Linda Strand's annual Deep Portage Meeting, Hackensack, MN.

Professional Periodicals Published

1. Schommer JC, **Olson AW**, Gaither CA, Garza OW, Larson TA, Schondelmeyer SW, Uden DL. (Sep 2020). The 2019 Minnesota Pharmacist Compensation and Labor Survey. *Minnesota Pharmacist*, 74 (3). Retrieved from https://www.mpha.org/page/pharmacist_journal
2. **Olson AW**, Hastings TJ. (Jan 2019). Fulfilling the oath. *Journal of the American Pharmacists Association*, 59(1). Retrieved from [https://www.japha.org/article/S1544-3191\(18\)30484-9/fulltext](https://www.japha.org/article/S1544-3191(18)30484-9/fulltext).
3. Schommer JC, **Olson AW**, Gaither CA, Garza OW, Larson TA, Schondelmeyer SW, Uden DL. (Jan 2019). Changes in the Pharmacist and Technician Workforce in Licensed Minnesota Pharmacies between 2006 and 2018. *Minnesota Pharmacist*, 73 (1). Retrieved from https://www.mpha.org/page/pharmacist_journal

Professional Periodicals *Published (cont'd)*

4. Schommer, JC et al. (Aug 2018). Abstracts from the 18th Biennial Midwest Social and Administrative Pharmacy Conference. *Innovations in Pharmacy*, Special Issue. Retrieved from <https://pubs.lib.umn.edu/index.php/innovations/issue/view/107>. Contributed as an abstract reviewer for a conference held in Madison, WI.
5. **Olson AW**. (Sep/Oct 2017). Postgraduate: Energized by discovering new knowledge. *APhA-ASP Student Pharmacist Magazine*, 14(1). Retrieved from <http://www.pharmacist.com/article/energized-discovering-new-knowledge>.
6. Sawyer K, **Olson AW**, Navin SF, Verdugo M. (Mar 2015). Developing public health professionals for the future: The Student Commissioned Officers Association. *USPHS Commissioned Officers Association Frontline Newsletter*.
7. **Olson AW**, Gagnon M, & Van Hooser J. (Aug 2014). Extended-release niacin/laropiprant: No additional cardiovascular risk reduction seen in patients already on a statin. *Essentia Health System Newsletter*.
8. **Olson AW**, Loera T, & Fierke KK. (Mar 2013). Creating the learning experience you want. *APhA-ASP Student Pharmacist Magazine*, 9(4). Retrieved from <http://www.pharmacist.com/student-pharmacist-archives>.

Professional Book Chapters *Published*

1. Gionfriddo MR & **Olson AW**. (Nov 2015). "Engaging Patients in Healthcare and Decision-Making: Understanding and Facilitating the Process," in *Social and Behavioral Aspects of Pharmacy Practice*. Third Edition, Nathaniel M. Rickles, Albert I Wertheimer, Jon C. Schommer, Editors, Kendall Hunt Publishing Company, 2015.

Professional Reports *Published*

1. Schommer JC, **Olson AW**, Isetts BJ, Scime GM, Skelton JB, Owen JA. (Sep 2018). The Next Transition in Community-based Pharmacy Practice. APhA Practice Perspectives Report. Retrieved from https://www.pharmacist.com/sites/default/files/files/APhA%20Practice%20Perspectives%20Report%20-%20The%20Next%20Transition%20in%20Communitybased%20Pharmacy%20Practice%20-%20BOT%20Approved%20-%20September%202018_0.pdf
2. Isetts BJ, **Olson AW**, & Schommer JC. (Sep 2015). Community Pharmacy Foundation: A 10-year program evaluation. Presented to the Community Pharmacy Foundation, Chicago IL.

Invited Scientific Presentations

1. **Olson AW**, Schommer JC, Kondic AM, and Isetts BJ. (Mar 2016). An Evaluation of the Community Pharmacy Foundation's Grants Program: 2002-2015. Podium presentation for the Community Pharmacy Foundation Research Forum at the American Pharmacists Association (APhA) 2016 Annual Meeting and Exposition, Baltimore, MD.
2. **Olson AW & Lepp G.** (Dec 2014). Preceptor Development: Describing the current state, the ideal state, and plotting a course between them at the University of Minnesota - College of Pharmacy. Presented to University of Minnesota – College of Pharmacy PD4 Capstone Presentation Forum.
3. **Olson AW & Stuart B.** (Aug 2014). Parkinson's disease: A contemporary review of treatments. Presented during a lunch meeting at Essentia Health Duluth Clinic, Internal Medicine Department.

Invited Professional Presentations

1. Lepp G & **Olson AW.** (Nov 2014). Conflict management: & communication in practice. Presented at a monthly meeting of the Duluth Area Pharmacists, Duluth MN.
2. **Olson AW.** (Jul 2014). Medication disposal protocols at Methodist Hospital. Presented at lunch forum at Park Nicollet Methodist Hospital, Saint Louis Park, MN.
3. **Olson AW & Loera T.** (Sep 2012 & Oct 2013). How to 'Pharm' Australian: Experiences from IPSF's student exchange program. Presented at a monthly meeting of the Minnesota State Board of Pharmacy and the APhA-ASP Chapter of the University of Minnesota – College of Pharmacy.
4. **Olson AW & Bickler WJ.** (Mar 2013). The making of the PatCHH: Perspectives from founding the Patient-Centered Healthcare Home. Presented at a monthly meeting of the Duluth Area Pharmacists, Duluth, MN.

VI. GRANTS, EXTRAMURAL FELLOWSHIPS, & RESEARCH EXPERIENCE

2016 – 2017 **Agency for Healthcare Research & Quality (AHRQ) – Centers of Excellence in Practice-Based Research Learning, Practice-Based Research Methods Fellowship: FELLOW**

Completed a 10-month program from a AHRQ grant (P30HS021648-01) providing training in concepts, skills, and methods for conducting practice-based research and building practice-based research networks. Used this resource to draft concept paper and specific aim for dissertation, which was presented at the North American Primary Care Research Group (NAPCRG) Practice-Based Research Network Conference in June of 2017.

2014 – 2016 **Community Pharmacy Foundation (CPF) Program Evaluation Grant (\$24,000): CO-INVESTIGATOR**

Conducted a program evaluation for CPF consisting of three separate analyses for a contract grant with two co-investigators. Employed a mixed-methods analytical approach to describe CPF's impact and improvement. The projects strongly focused on pharmacist integration in the healthcare delivery and financing system of the future.

Investigators: Isetts BJ, Olson AW, & Schommer JC

2015 – 2016 **University of Minnesota, College of Pharmacy - Peters Chair in Pharmacy Practice Innovation Fellowship: RESEARCH ASSISTANT, CO-INVESTIGATOR**

Contributed to the development and execution of the National Consumer Survey on the Medication Experience, which described the U.S. adult population in terms of their medication experiences and their views of pharmacist roles.

Primary Investigator: Schommer JC

2013 - 2014 **University of Minnesota, Consortium on Law & Values in Health, Environment, & Life Sciences Scholar Grant (\$8,575): CO-PRIMARY INVESTIGATOR**

Awarded a competitive grant to found a student-run, faculty-supervised care team clinic for underserved patients with diabetes known as PatCHH (Patient-Centered Healthcare Home) by partnering with local 340B, Lake Superior Community Health Center. The program is now a part of the College of Pharmacy and School of Medicine curriculum at the University of Minnesota.

Criteria: outstanding proposals to ameliorate the societal implications of problems in the fields of health, the environment, and the life sciences.

Investigators: Olson AW, Bickler WJ, Murugappan M, Bastianelli K

2011 – 2013 **APhA & Health Resources & Services Administration (HRSA) - Chapters Helping Advocate for Needy Communities Everywhere (\$20,000): CO-INVESTIGATOR**
Awarded a competitive grant to found a student-run, faculty-supervised care team clinic for underserved patients with diabetes known as PatCHH (Patient-Centered Healthcare Home) by partnering with local 340B, Lake Superior Community Health Center. The program currently installed at the University of Minnesota – College of Pharmacy and School of Medicine curriculum.
Criteria: Outstanding proposals towards a project that promotes interprofessional collaboration and delivers comprehensive pharmacy services within a 340B-eligible entity.
Investigators: Olson AW, Timm S, Bickler WJ, Bastianelli K, & Sorensen TD.

VII. TEACHING EXPERIENCE

University of Minnesota – College of Pharmacy, Duluth MN

- Spring 2020 **Course Director** – Phar 6720: Pharmaceutical Care Skills Lab II (2 credits)
This course further introduces PD1 student pharmacists to the professional attitude and skills (i.e., patient education, sterile compounding, and non-sterile compounding) necessary to become a competent and caring pharmaceutical care practitioner. It consists of two components: a laboratory section and a discussion which use a modified Team-Based Learning (TBL) approach.
- Fall 2019 **Course Director** – Phar 6710: Pharmaceutical Care Skills Lab I (2 credits)
This course introduces PD1 student pharmacists to the professional attitude and skills (i.e., patient education, sterile compounding, and non-sterile compounding) necessary to become a competent and caring pharmaceutical care practitioner. It consists of two components: a laboratory section and a discussion which use a modified Team-Based Learning (TBL) approach.

University of Minnesota – College of Pharmacy, Minneapolis MN

- Spring 2019 **Course Instructor** - Phar 4200: Drugs and the United States Healthcare System
Fall 2018 Undergraduate and graduate-level elective online course (3 credits)
Spring 2018 This course focuses on the critical role of medications and the structure medication use in the US Healthcare System. It tackled controversial issues surrounding
Fall 2017 medications and the US Healthcare System and instilled the use of evidence-based
Spring 2017 arguments to communicate ideas, engage others, articulate viewpoints, and
Spring 2016 developed a plan of action related to content.
Fall 2015

University of Minnesota – College of Pharmacy, Minneapolis MN (cont'd)

- Spring 2019 **Teaching Assistant** – Phar6754: Diabetes & Metabolic Syndrome
This course introduces the principles of diabetes pathophysiology, treatment, and research to PD2 students. As a TA, I assisted with course instruction and student evaluation while also contributing to the development of SPh content.
- Teaching Assistant** – Phar6758: Pulmonary Pharmacotherapy
This course provides students with the requisite pathophysiology and pharmacotherapeutic knowledge to care for patients with common pulmonary diseases. As a TA, I assisted with course instruction and student evaluation while also contributing to the development of SPh content.
- Fall 2018 **Teaching Assistant** – Phar 6736: Cardiovascular Pharmacotherapy
This is a team-based learning course designed for 2nd-year student pharmacists to acquire the clinical knowledge and skills to provide cardiovascular pharmacotherapy. As a TA, I instructed, modeled, and evaluated student pharmacists on all topics related to the course.
- Fall 2018 **Guest Lecturer** - Phar 6937: Foundations of Leadership
Fall 2017 Delivered interactive presentation titled “Crafting your Professional Vision” PD2 student pharmacists that instructed on the role of a vision, elements of a vision, and how to create a vision.
- Spring 2018 **Teaching Assistant** – Phar 6740/6750: Pharmaceutical Care Skills Labs III & IV
Fall 2017 This is a team-based learning course designed for 2nd-year pharmacy students to continue to build the skills necessary to become a competent, caring pharmaceutical care practitioner. As a TA, I instructed, modeled, and evaluated student pharmacists on intravenous drug delivery related skills.
- Fall 2017 **Guest Lecturer** – Phar 6700/6730: Becoming a Pharmacist/Professional
Fall 2016 Development & Assessment
This session brought first and second year student pharmacists together to reflect, teach, and learn with, from, and about each other. As the facilitator, I led activities where students discussed pharmaceutical care concepts.
- Spring 2017 **Teaching Assistant** – Phar 6720: Pharmaceutical Care Skills Lab II
This is a team-based learning course designed for 1st-year pharmacy students to continue to build the skills necessary to become a competent, caring pharmaceutical care practitioner. As a TA, I instructed, modeled, and evaluated student pharmacists on intravenous drug delivery related skills.

University of Minnesota – College of Pharmacy, Minneapolis MN (cont'd)

- Fall 2016 **Teaching Assistant** - Phar 6706: Foundations of Pharmaceutical Care
This course lays the groundwork for how a pharmacist should think about the rational use of drugs in caring for patients by introducing and applying the pharmaceutical care process.
- Spring 2015 **Guest Lecturer** - Phar 6937: Foundations of Leadership
Delivered presentation titled “Grit: Sustained Passion + Perseverance” to 20 student pharmacists enrolled in the Leadership Emphasis Area on the characteristics shown to be the primary determinant of success as studied by Angela Duckworth, Ph.D. at the University of Pennsylvania.
- Fall 2014 **Guest Lecturer** - Phar 7340: Early Pharmacy Education with Community Teachers
Facilitated a debrief session where students reflected on their experience with volunteer Community Teachers regarding the patient/practitioner relationship and other insights gained from the interaction.
- Fall 2014 **Guest Lecturer** - Phar 6706: Foundations of Pharmaceutical Care
Delivered presentation titled “Pharmaceutical Care: Assessment” to approximately 160 student pharmacists. Lecture defined and described the purpose and process of assessing for drug therapy problems with an emphasis on real-world applicability.
- Fall 2013 **Guest Lecturer** - Phar 6700: Becoming a Pharmacist
Delivered presentation titled “Networking: It’s NOT Who You Know, it’s Who Knows You and What You Can Do” to 60 student pharmacists on common misconceptions about networking and an approach for developing networking skills.

Teach For America – Coolidge Senior High School, Washington DC

- 2007 – 2009 **Special Education Department Chair**
Taught special education for mathematics in public high school, where 77% of students were eligible for free and reduced-price lunch. Led a 35% increase in students scoring at or above the proficient level in math on the DC Comprehensive Assessment System. Coached Junior Varsity Basketball teams for men and women. Leadership efforts at school detailed in Washington Post article about the Washington, D.C. Public School System. <http://www.washingtonpost.com/wp-dyn/content/article/2007/12/22/AR2007122201846.html?sid=ST2007122202100>

VIII. PROFESSIONAL MEMBERSHIP & SERVICE

Present Membership

2020-present Patient-Centered Outcomes Research Institute (PCORI) Ambassador Program
2015-present American Association of Colleges of Pharmacy (AACP)
2011-present American Pharmacists Association (APhA)
2011-present Minnesota Pharmacists Association (MPhA)
2011-present Duluth Area Pharmacists (DAP)

Past Membership

2015 – 2017 International Society of Pharmaceutical Outcomes & Research (ISPOR)
2015 – 2017 Society of Judgement & Decision Making (SJDM)
2013 – 2014 Academy of Managed Care Pharmacy (AMCP)
2012 – 2014 Student Commissioned Officers Association (SCOA)
2011 – 2014 American Society of Clinical Pharmacists (ASCP)
2011 – 2014 International Pharmaceutical Students' Federation (IPSF)
2011 – 2014 Minnesota Society of Health-System Pharmacists (MSHP)

Service to the American Pharmacists Association

2017 - 2019 APhA House of Delegates, Academy of Pharmaceutical Research and Science (APRS), Delegate

2017 - 2019 APRS Executive Council, Postgraduate Officer

2016 - 2017 APhA Policy Review Committee, Member

2016 - 2017 APRS Awards Standing Committee, Member

2015 - 2019 APRS Postgraduate Advisory Committee, Member

2015-present APhA Annual Meeting Abstract Reviewer

2014 – 2016 APhA House of Delegates, Minnesota Pharmacists Association, Delegate

2011 – 2014 APhA – ASP Student Political Action Network, Member

Service to the Minnesota Pharmacists Association (MPhA)

2020-present Parliamentarian of the House of Delegates

2017 – 2019 Speaker of the House of Delegates

Service to the Minnesota Pharmacists Association (MPhA) – (cont'd)

- 2017 – 2019 Executive Finance Committee
- 2016 - 2017 Professional and Organizational Affairs Committee, Co-chair
- 2015-present Professional and Organizational Affairs Committee, Member
- 2015-present Public Affairs Committee, Member
- 2015 – 2019 Board of Directors
- 2015 - 2017 Vice Speaker of the House of Delegates
- 2015 - 2016 Policy Manual Review Subcommittee, Chair
- 2013 - 2016 District 2 Delegate
- 2012 – 2015 Pharmacists at the Capitol Day, Citizen Lobbyist

Service to Phi Delta Chi (PDX)

- 2011 - 2015 Beta Psi, Brother

Service to Phi Lambda Sigma (PLS) – Alpha Phi Chapter

- 2013 – 2014 Leadership Breakfast, Founder
Developed a new monthly program open to all College of Pharmacy students interested in growing as leaders, alternated sharing relevant stories & insights.
- 2012 – 2014 Co-Treasurer
Ensure fiscal health and resource allocation to achieve the organization’s vision, mission, and goals.

Service to Professional Journals – Reviewer

- 2018-present Pharmacy
- 2015-present Journal of the American Pharmacists Association – ESAS Contributed Papers
- 2015-present Research in Social & Administrative Pharmacy

Service to the Student Commissioned Officer Association (SCOA)

2012 – 2015 Co-founder
Partnered with four other students and the USPHS Commissioned Officer Association (COA) to prepare the next generation of public health officers. This partnership is the first of its kind and striving to be a national leader and model for other locations. Developed founding mission, vision, and by-laws. Initiated membership recruitment, the development of lunch meeting presentations, informational videos, and a mentorship program that paired students with officers.

Service to University of Minnesota – College of Pharmacy, Graduate Student

2018–present Pharm.D. Admissions, Interviewer

2017–present Pharmacy Alumni Society - University of Minnesota College of Pharmacy, Board Member

2015-present First Year Student Pharmacist Mentor
(2015) David Mortensen
(2016) Lauren Lemke
(2017) Phuong Le
(2018) Lars Anderson
(2019) Brandon Anderson
(2020) Jacob Noble, Haopeng Liu, Ciara White, Alyssa Butterfield

2015 - 2018 Council of Graduate Students, Program Representative

2015 - 2016 Weaver Public Engagement & Social Responsiveness Grant: Reviewer
Grant Criteria: To provide funding and expand opportunities for innovative public engagement and social responsiveness in pharmacy. Funds can be used to develop new or existing projects and must demonstrate the rationale for social need, impact, and sustainability.

Service to the University of Minnesota – College of Pharmacy, Pharm.D. Student

- 2012 – 2015 Center for Leading Healthcare Change (CLHC), Leadership Ambassador
The CLHC is composed of pharmacy leaders in Minnesota committed to promoting leadership development for Minnesota student pharmacists to foster change in healthcare practice and policy. As a leadership ambassador, I developed a “Student Champion of Change” Award recognizing students who created positive, impactful, and lasting change in the college and community. Participated in Minnesota Pharmacy Practice Act Joint Task Force as a student representative. The overarching goal of this group was to modernize the decades-old legislative states regulating pharmacy practice in the state of Minnesota.
- 2011 – 2015 Health Fair Volunteer
Registered patients, performed blood pressure, A1C, bone density, and other screenings at seven different health fairs.
- 2014 Accreditation Self-Study Committee: Strategic Planning Subcommittee, Member
Reviewed and evaluated the strategic plan of the College of Pharmacy in preparation for reaccreditation by the American Association of Colleges of Pharmacy (AACCP).
- 2014 Transforming Attitude and Passion (TAP) Leadership Retreat, Facilitator
Facilitated retreat for student pharmacists to develop their mission, vision, and goals as well as the skills needed to accomplish them.
- 2013 Admission Recruitment Volunteer
- 2011 – 2013 Pre-pharmacy Mentor
Provided guidance and advice to prospective student pharmacists.
- 2011 – 2012 College of Pharmacy, Class Representative
- 2011 – 2012 Puebla Service Project, Contributor
Helped plan, organize, and execute fundraising for a seven-day service project to Cuetzalan, Mexico. Provided healthcare services, such as bone density, A1C, and blood glucose screenings.

IX. PHARMACY PRACTICE EXPERIENCE (Minnesota License 122705)

Community Pharmacy

2016-present **Essentia Health – Pharmacist**, Duluth MN

Provide prompt, efficient, and friendly service to patients while efficiently managing operations of the pharmacy. Ensure accurate prescription dispensing and clinical consultation services as well as supervision of fellow pharmacists, pharmacy technicians, graduate interns, and clerks. Work 1-10 shifts per month.

2016-present **Cub Foods Pharmacy – Pharmacist**, Burnsville MN

Provide prompt, efficient, and friendly service to patients while efficiently managing operations of the pharmacy. Ensure accurate prescription dispensing and clinical consultation services as well as supervision of fellow pharmacists, pharmacy technicians, graduate interns, and clerks. Work 1-10 shifts per month.

2012 – 2014 **Thrifty White - Medication Management Intern**, Cloquet MN

Provided medication therapy management services, including medication reconciliation and resolving drug therapy problems to patients and their primary care providers. Administered influenza and pneumococcal vaccines to patients.

US Public Health Service - Indian Health Service

2013 **Junior Commissioned Officer Student Training & Extern Program – Student Extern**, Four Corners Regional Health Center, Teec Nos Pos, Navajo Nation, AZ
Filled and dispensed prescription medications for patients. Counseled patients on information related to health conditions, prescription drugs, and OTC medications. Developed a Provider Communication Sequencing Protocol that decreased patient wait times by 15% during the busiest times periods. Created patient priming tools to improve patient understanding of medications.

Advanced Pharmacy Practice Experiences

2015 **Transitional Care - Essentia Health St. Mary's Hospital**, Duluth, MN

Conducted medication reconciliations through interactions with patients, pharmacies, and other caregivers to ensure therapeutic decisions by the patient's care team utilized the correct medication information. Shadowed and presented on the roles and interconnection of pharmacy, social work, nursing, physicians, therapists, and other professions in patient care transitions within and discharging out of the hospital. Presented journal club on the effects on medication use and cost when providers utilize electronic prescribing with decision support aids.
Preceptor: David Simmons, Pharm.D.

Advanced Pharmacy Practice Experiences (cont'd)

- 2015 **Pharmaceutical Consulting - Arbit Consulting**, Mendota Heights, MN
Strategized, authored, and submitted an Investigational Device Exemption application for a selective cerebral cooling collar invention for NeuroRescue, LLC to the U.S. Food and Drug Administration (FDA). Created an informational presentation for physicians on Expanded Access Programs-Investigational New Drug (EAP-IND) to the FDA to be presented at the Society of Clinical Research Associates (SOCRA) 2015 Annual Meeting. Participated in daily discussions with the preceptor about current regulatory issues in pharmacy, including but not limited to 505(b)(2)s, early feasibility studies, informed consent, and the role of the pharmacy in regulatory affairs.
Preceptor: Harvey Arbit, Pharm.D., M.B.A.
- 2015 **Community Pharmacy - Essentia Health Pharmacy**, International Falls, MN
Read, interpreted, filled, and dispensed orders and prescriptions that were indicated, effective, safe, and convenient medications to patients. Counseled patients on their prescriptions and general health information. Maintained and verified Schedule II controlled substance inventory monthly. Placed prescription pick-up reminder calls to patients weekly. Conducted weekly Quality Assurance processing.
Preceptor: Tara Tomczak, Pharm.D.
- 2014 **Leadership & Admin - University of Minnesota – College of Pharmacy**, Duluth, MN
Created and delivered a lecture on “grit” to leadership track students. Contributed to developing a new “Adaptive Leadership” course, including constructing activities, aligning concepts with reading assignments, and more. Conducted research on the value and effects of leadership round tables held each semester for all Class of 2015 Pharm.D. students.
Preceptor: Kerry Fierke, Ed.D.
- 2014 **Research – University of Minnesota – College of Pharmacy**, Minneapolis, MN
Delivered and facilitated two classroom activities and lectures. Reviewed pharmaceutical marketing techniques and policies such as drug coupons, pricing schedules, billing systems, and reimbursement rates. Studied research methods and participated in research coding and data entry for pharmacy workforce research.
Preceptor: Jon Schommer, Ph.D.

Advanced Pharmacy Practice Experiences (cont'd)

- 2014 **Ambulatory Care - Essentia Health Duluth Clinic - Internal Medicine**, Duluth, MN
Conducted medication management appointments in a clinic setting to determine and resolve drug therapy problems for patients. Recommended evidence-based pharmacotherapeutic treatment options to primary care providers following appointments with patients. Provided patient care services in instances of potential substance abuse. Researched and presented on Parkinson's Disease standards of treatment, pharmacotherapy, and pearls of therapy to physicians, nurses, and pharmacists. Completed a review and report on physician prescribing practices of opioids at the clinic for administration.
Preceptor: Michael Swanoski, Pharm.D., CGP, FASCP
- 2014 **Acute Care - Park Nicollet Methodist Hospital**, St. Louis Park, MN
Reviewed health records for patients recovering from a stroke, myocardial infarction, atrial fibrillation, and general surgery for drug therapy problems and recommended evidence-based pharmacotherapeutic treatment plans. Calculated pharmacokinetics, adjusted dosing, and reviewed the appropriateness of antibiotics, oncology agents, and other renal dependent courses of therapy. Managed and educated on anticoagulation for hospitalized patients. Researched new hypertension and hyperlipidemia disease state guidelines and reported findings to physicians, nurses, and other pharmacists. Presented journal club critique of PLATO trial (clopidogrel vs. ticagrelor) to preceptors and students. Researched and presented on the hospital's medication disposal practices.
Preceptor: Anne Schullo-Feulner, Pharm.D., BCPS

Introductory Pharmacy Practice Experiences

- 2013 Allina Mercy Hospital, Coon Rapids, MN
Preceptor: Dan Niznick, Pharm.D.
- 2012 Allina Community Pharmacy, Apple Valley, MN
Preceptor: Mark Decker, Pharm.D.
- 2012 Good Price Community Pharmacy, Innisfail, QLD, Australia
International Pharmaceutical Student Federation – Student Exchange Program
Preceptor: Karina Kaurila, B.Pharm.
- 2012 Essentia Health Duluth Clinic, Internal Medicine, Duluth, MN
Preceptor: Michael Swanoski, Pharm.D., FASCP
- 2011 Essentia Health Heart & Vascular Center, Duluth, MN
Preceptor: Richard Mullvain, R.Ph., BCPS (AQ Cardiology)

X. OTHER WORK EXPERIENCE

- 2011 – 2014 IT Assistant, University of Minnesota – College of Pharmacy, Duluth MN
Operated ITV (inter-campus teleconferencing) between the Twin Cities and Duluth campuses for all pharmacy courses.
- 2011 Bike and Build Route Leader, Philadelphia, PA
Hired to plan, coordinate, and lead 32 cyclists on a ten-week, 4,000-mile bicycle trek from Providence RI to San Francisco CA, to raise money and awareness for affordable housing.

XI. OTHER SERVICE

The State of Minnesota

- 2015 Department of Commerce Unclaimed Property Return Project

World Book Drive

- 2012 – 2015 Campus Founder & Director
Collected 10,000+ lbs. of books over four years

Hugh O'Brian Leadership Summit

- 2012 Invited Speaker: "The Key to Leadership: Unlocking Yourself"

St. Olaf Board of Regents'

- 2006 – 2007 Class Representative

Ole Spring Relief

- 2005 – 2007 Co-Founder
Organized & led two Spring Break service trips for 183 and 160 St. Olaf students to help rebuild New Orleans, LA & Biloxi, MS following Hurricane Katrina. Raised >\$90,000 from local companies & college. The program is still running as of 2019.

XII. SKILLS

Dedoose (Qualitative Data Analysis)
Epic (Electronic Health Record)
ScriptPro (Rx Dispensing System)
Beacon (Rx Dispensing System)
Outcomes (MTM Documentation System)
SureScripts (Rx Dispensing Program)
Microsoft Word, Excel, PowerPoint
IBM SPSS (Statistical Computing Software)
NVIVO (Qualitative Data Analysis)
R (Statistical Computing Software)

XIII. REFERENCES

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