

Laura Tsu, Pharm.D., BCPS, CGP

CONTACT INFORMATION

9401 Jeronimo Road
Irvine, CA 92618
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EDUCATION AND TRAINING

- Aug 2010 - Aug 2011* **PGY2 Pharmacy Practice Residency, Cardiology**
University of California, Davis
Program Director: William Dager, Pharm.D., BCPS (AQ Cardiology)
- July 2009 - July 2010* **PGY1 Pharmacy Practice Residency**
University of California, Davis
Program Director: Patricia Parker, Pharm.D., BCPS
- Sep 2005 – June 2009* **University of California San Diego School of Pharmacy**
University of California, San Diego
Doctor of Pharmacy
- Sept 2001 – June 2005* **University of California, Irvine**
Irvine, California
B. S. Biological Sciences

PROFESSIONAL EXPERIENCE

- July 2015 – current* **Chapman University School of Pharmacy**
Clinical Assistant Professor, Pharmacy Practice Department
- Aug 2011 – June 2015* **Midwestern College of Pharmacy - Glendale**
Assistant Professor, Pharmacy Practice Department
- Banner Boswell Medical Center**
Clinical Pharmacist, Cardiology and Cardiovascular Surgery
- Cardiac Solutions Outpatient Clinic**
Clinical Pharmacist, Cardiology

July 2009 – Aug 2011 **University of California Davis Medical Center**
Pharmacy Practice Resident (PGY1)
Pharmacy Specialty Residency, Cardiology (PGY2)

HONORS AND AWARDS

June 2014 **Excellence in Innovation Award**
Arizona Pharmacy Association

May 2014 **Faculty Preceptor of the Year**
Midwestern University College of Pharmacy – Glendale

CERTIFICATIONS AND LICENSES

2013 – current **Board Certified Geriatric Pharmacist (CGP)**
Commission for Certification in Geriatric Pharmacy

2009 - current **Registered Pharmacist License Number 62896**
California Board of Pharmacy

2010 - current **Board Certified Pharmacotherapy Specialist (BCPS)**
Board of Pharmacy Specialties

2009 - current **Advanced Cardiovascular Life Support (ACLS)
Provider**
American Heart Association

GRANTS

2014 Awarded \$10,000 from Midwestern University College of Pharmacy –
Glendale for Pharmacist Impact on Medication Adherence in Transition of
Care Geriatric Cardiology Population. Principal Investigator: Laura Tsu.
Co-Investigator: Nicole Murdock

2014 Awarded \$10,000 from Midwestern University College of Pharmacy –
Glendale for Pharmacy-Led Multidisciplinary Team versus Pharmacist
Only Smoking Cessation Intervention in a Homeless Population: Lead
investigators: Laura Tsu and Kelsey Buckley. Co-investigators: Rebekah
McKinley and Nicole Kitts

PUBLICATIONS

Peer reviewed

Carroll KA, Early NK, **Tsu LV***. Managing acute coronary syndromes in the elderly. Consult Pharm. 2015;30:265-82.

Dager WE, **Tsu LV**, Pon TK. Considerations for Systemic Anticoagulation in ESRD. Semin Dial. 2015 May 7. [Epub ahead of print]

Ehrlich C, **Tsu LV***. Updates in antiarrhythmic therapy for atrial fibrillation in geriatric patients. Consult Pharm. 2015;30:82-91.

Stratton S, Yam L, Gohil K, Remigio A, **Tsu L***. Acute Management of Patients with Chronic Kidney Disease. US Pharm 2014; 39:56-60

Tsu LV*, Lee S. Use of Ranolazine in the Prevention and Treatment of Postoperative Atrial Fibrillation in Patients Undergoing Cardiac Surgery. Ann Pharmacother. 2014;48:633-7

Kitts NK, Reeve AR, **Tsu L***. Care Transitions in Elderly Heart Failure Patients: Current Practices and the Pharmacist's Role. Consult Pharm. 2014;29:179-90

Tsu LV*, Dager WE. Safety of New Oral Anticoagulants with Dual Antiplatelet Therapy in Patients with Acute Coronary Syndromes. Ann Pharmacother. 2013; 47: 573-7

Tsu LV*. Antiarrhythmic Therapy for Atrial Fibrillation. US Pharm 2013;38:20-23.

Tsu LV, Dienes JE, Dager WE. Vitamin K dosing to reverse warfarin based on INR, route of administration, and home warfarin dose in the acute/critical care setting. Ann Pharmacother. 2012;46:1617-26.

Tsu LV*. Depression in Cardiac Patients: Underrecognized and Undertreated. US Pharm 2012;11:20-2.

Tsu LV, Dager WE. Comparison of bivalirudin dosing strategies using total, adjusted, and ideal body weights in obese patients with heparin-induced thrombocytopenia. Pharmacotherapy 2012;32:20-6

Tsu LV, Dager WE. Bivalirudin dosing adjustments for reduced renal function with or without hemodialysis in the management of heparin-induced thrombocytopenia. Ann Pharmacother. 2011;45:1185-92.

Nagle EL, **Tsu LV**, Dager WE. Bivalirudin for anticoagulation during hypothermic cardiopulmonary bypass and recombinant factor VIIa for iatrogenic coagulopathy. Ann Pharmacother 2011;45:e47

Schleuter M, James C, Dominguez A, **Tsu L**, and G Seymann. Practice Patterns for Antibiotic de-escalation in Culture-Negative Healthcare-Associated Pneumonia. *Infection* 2010;38:357-362

Choi B, **Tsu L**, Chen E, Ishak TS, Iskandar SM, Chess S, Nelson JS. Determination of chemical agent optical clearing potential using in vitro human skin. *Lasers Surg Med* 2005;36:72-5

* Indicates corresponding author

Non peer-reviewed

Harmon A, Smith B, Tsu LV. A Pharmacist's Role in the Prevention and Management of Perioperative Atrial Fibrillation and Flutter. *Arizona Journal of Pharmacy* 2015; 32-39

Forbes A, Grimes K, York J, Tsu LV. Comparing the 2013 ACC/AHA & 2014 NLA Dyslipidemia Guidelines and their Impact on Clinical Decision Making. *Arizona Journal of Pharmacy* 2015; 24-30

Nguyen S, Nguyen M, Tsu LV. Drug-induced Cardiotoxicity of Oncological Agents: Monitoring Parameters, Prevention, and Future Chemotherapy. *Arizona Journal of Pharmacy* 2015; 30-34

Kho R, Kim S, Lee S, Tsu LV. A Review of Common Drug-drug and Food-drug Interactions Associated with Cardiovascular Medications. *Arizona Journal of Pharmacy* 2014; 36-43

Kucera A, Smith B, Tsu LV. Anemia and the Role of the Pharmacist. *Arizona Journal of Pharmacy* 2014; 31-35

Le H, Nguyen N, Pham T, Tsu LV. Bipolar disorder: A Pharmacotherapy Management Overview. *Arizona Journal of Pharmacy* 2014; 36-41

Loo V, Tsu LV. What evidence is available on aldosterone antagonists for use in heart failure with preserved ejection fraction? *Arizona Journal of Pharmacy* 2013; 28-30

Aphaisuwan H, Lee S, Tsu LV. The mentor connection program: perspectives from both sides. *Arizona Journal of Pharmacy* 2013; 21.

Aphaisuwan H, Lala I, Tsu LV. Variceal bleeding from cirrhosis: a clinical review of causes and pharmacotherapy options. *Arizona Journal of Pharmacy* 2013; 38-42

Lau B, Lee M, Tran T, Tsu LV. Acute coronary syndromes: current treatment guidelines and updates. *Arizona Journal of Pharmacy* 2013; 40-49

McKenzie R, Park A, Tsu LV. Anti-platelet therapy in acute coronary syndromes: Updates in therapy after stent implantation. *Arizona Journal of Pharmacy* 2012;33-40

Dang J, Tsu LV. What evidence is available on apixaban for the primary prevention of stroke in patients with atrial fibrillation? *Arizona Journal of Pharmacy* 2012; 4:30-1

TEACHING EXPERIENCE

Midwestern University

- | | |
|--------------------|--|
| <i>2012 - 2015</i> | PPRA 1428 – Acute Care Cardiology Elective
Role: Course Coordinator, Instructor
Midwestern College of Pharmacy - Glendale |
| <i>2012 - 2015</i> | PHID 1604 & 1605 – Integrated Sequence 4 & 5
Role: Course Coordinator, Instructor (10 hours)
Midwestern College of Pharmacy - Glendale
Topics: Valvular Heart Disease, Ischemic Heart Disease, Acute Coronary Syndromes, Acute Heart Failure |
| <i>2012 - 2015</i> | PPRA 1701 – Acute Care Management
Role: Instructor (6 hours)
Midwestern College of Pharmacy - Glendale
Topics: Acute Coronary Syndrome, Acute Heart Failure, Heparin-Induced Thrombocytopenia, Anticoagulation Reversal, Electrolytes |
| <i>2012 - 2015</i> | PHID 1501 – Integrated Sequence 1
Role: Instructor (2 hours)
Midwestern College of Pharmacy - Glendale
Topic: Anemias |

Resident Lectures

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|-------------|--|
| <i>2011</i> | Acute Coronary Syndromes
Role: PGY2 Resident Instructor
CalNorth State College of Pharmacy |
| <i>2010</i> | Chronic Obstructive Pulmonary Disease
Role: PGY1 Resident Instructor
University of Pacific School of Pharmacy |

PRECEPTING EXPERIENCE

Pharmacy Residents

2013 – 2015

Preceptor – Acute Care Cardiology

2 PGY1 residents/year
6-week elective rotation

2013 – 2015

Preceptor – Academia

2 PGY1 residents/year
4-week elective rotation

2012 – 2015

Preceptor – PGY2 Geriatric Cardiology

2 PGY2 geriatric residents/year
6-week elective rotation

Pharmacy Students

2012 – 2015

Preceptor – Acute Care Cardiology

12 Advanced Pharmacy Practice Experience students/year
6-week required rotation

2011

PGY2 Resident Preceptor – Cardiology

UC Davis Medical Center

2009

PGY1 Resident Preceptor – General Medicine

UC Davis Medical Center

2009

PGY1 Resident Preceptor – Cardiology

UC Davis Medical Center

2009

Law and Ethics Conference Leader

UCSD School of Pharmacy

2008 – 2009

Pharmacy Clinic Manager, UCSD Student-Run Free Clinics, Pacific Beach, CA.

UCSD School of Pharmacy

PROFESSIONAL AND CLINICAL PRESENTATIONS

National Presentations

Nov 2014

Direct-Acting Oral Anticoagulants and Guideline Updates in Older Adults with Atrial Fibrillation

Laura Tsu, Joel Marrs
ASCP Annual Meeting, Orlando, FL

Nov 2014

**Outpatient Treatment of Geriatric Post-Acute
Coronary Syndrome Patients**

Laura Tsu, Nicole Kitts, Kacey Carroll
ASCP Annual Meeting, Orlando, FL

State Presentations

June 2015

**Pharmacist's Management of Anticoagulation – A Case-
Based Review**

Laura Tsu, Christi Jen
AzPA Annual Meeting, Tucson, AZ

Mar 2014

Transition of Care Research Collaborations

Laura Tsu, Nicole Murdock
Dean's Advisory Council, Glendale, AZ

June 2013

Journal Club – FREEDOM trial

AzPA Annual Meeting, Tucson, AZ

Apr 2012

**Tick Tock, Rhythm and Clots: Updates in
Anticoagulation for Atrial Fibrillation**

Laura Tsu, Lindsay Davis
AzPA Health-Systems Academy Spring Conference

Nov 2010

Anticoagulation Review for UCDMC Pharmacists

Continuing Education for Pharmacists Provided
Pharmacy Grand Rounds, UC Davis Medical Center

May 2010

Anticoagulation in the Intensive Care Unit

UC Davis Medical Center: Sacramento, CA

Apr 2010

Advances in Rhythm Control for Atrial Fibrillation

Pharmacy Grand Rounds, UC Davis Medical Center

Feb 2010

Clinical Pharmacology of Hypertensive Crisis

UC Davis Medical Center: Sacramento, CA

Oct 2009

Clinical Pharmacology of Diabetes Mellitus

UC Davis Medical Center: Sacramento, CA

NATIONAL POSTER PRESENTATIONS

- Oct 2014* **Tsu L**, Buckley K, Nguyen S, Kohn J. Implementation and evaluation of the pharmacist's role in providing women's health education to the underserved community. *ACCP Annual Meeting, Austin, TX*
- May 2014 & Dec 2014* **Tsu L**, Remigio A, Gohil K, Murdock N, Gurney M. Evaluation of a motivational interviewing series on student's confidence level during experiential rotations. *ACCP Virtual Poster Symposium and ACCP Annual Meeting, Austin, TX*
- Dec 2013 & Dec 2014* Ehrlich C, **Tsu L**, Berry A, Wald E. Determination of risk factors for hospitalization for major bleeding in patients taking new oral anticoagulants. *ASHP Midyear Meeting, Orlando, FL*
- Oct 2013* Smith A, Benavides S, **Tsu L**, Yunker N. American College of Clinical Pharmacy Student Chapters Survey 2013 Update. *ACCP Annual Meeting, Albuquerque, NM*
- Oct 2011* **Tsu L**, Dager W. Optimizing the Route and Dosage of Vitamin K (Phytonadione) for Reversal of Warfarin. *ACCP Annual Meeting, Pittsburgh, PA*
- May 2011* **Tsu L**, Dager W. Dosing Requirements of Bivalirudin in Renal Dysfunction. *Anticoagulation Forum, Boston, MA*
- May 2011* **Tsu L**, Dager W. Dosing Requirements of Bivalirudin in Obesity. *Anticoagulation Forum, Boston, MA*
- Dec 2009* **Tsu L**, Dager W. Evaluation of Heparin-Induced Thrombocytopenia Management in Patients Receiving Direct Thrombin Inhibitors. University Healthsystem Consortium meeting: Las Vegas, NV

COMMITTEE SERVICE

National

- 2014 – 2016** **Secretary/Treasurer**
ACCP Education and Training PRN
- 2011 – 2014** **Education and Training PRN Student Support Committee**
Chair (2013 – 2014)
Vice – chair (2012 – 2013)
Member (2011 – current)
American College of Clinical Pharmacy
- 2012 – 2013** **Education and Training PRN Programming Committee**
American College of Clinical Pharmacy
- 2011 – 2013** **Cardiology PRN Hospitality Committee**
American College of Clinical Pharmacy

State

- 2012 – 2015** **Continuing Education Committee**
Arizona Pharmacy Association
Member, Quality Assurance subcommittee

University

- 2012 – 2015** **Resident Advisory Committee**
Midwestern University and Banner Boswell Medical Center
PGY2 Geriatrics and Academia program
- 2012 – 2015** **Resident Advisory Committee**
Banner Boswell Medical Center PGY1 program
- 2011 – 2015** **Post-Graduate Education Committee**
Chair (2013 – 2014)
Member (2011 – current)
Midwestern College of Pharmacy Glendale
- 2010 – 2011** **Thrombosis Subcommittee**
UC Davis Medical Center

PROFESSIONAL SERVICE

<i>2013 – 2014</i>	Clinician Educator's Program Mentor resident – quarterly meetings
<i>2012 – 2015</i>	AzPA Mentor Connection Program Mentor 2 pharmacy students – monthly meetings
<i>2011 – 2015</i>	Faculty Advisor 20 – 24 pharmacy students/year
<i>2011 – current</i>	Manuscript Reviewer Pharmacotherapy Annals of Pharmacotherapy American Journal of Health-Systems Pharmacy (AJHP) American Journal of Pharmaceutical Education (AJPE) US Pharmacist
<i>2011 – current</i>	Resident/Fellow Travel Award Reviewer American College of Clinical Pharmacy

COMMUNITY SERVICE

<i>2011 – 2015</i>	Health Outreach through Medical Education (H.O.M.E.) Faculty advisor (2013 – 2015) Preceptor (2011 – 2015) Midwestern College of Pharmacy – Glendale Interdisciplinary monthly sessions at homeless clinic
<i>2011 – 2013</i>	Taking Care of Your Heart Banner Boswell Medical Center Interdisciplinary monthly heart failure support group
<i>2011 – 2013</i>	Diabetes Expo Midwestern College of Pharmacy – Glendale Quarterly community service educational event
<i>2012 - 2013</i>	Stroke Check Banner Boswell Medical Center Yearly screening for geriatric community patients

PROFESSIONAL DEVELOPMENT

Oct 2011 – Oct 2013 **Teaching and Learning Academy**
American College of Clinical Pharmacy Academy

Aug 2011 – Mar 2012 **Teaching and Learning Seminar Series**
Midwestern University

PROFESSIONAL MEMBERSHIP

2012 – current **American Society of Consultant Pharmacists (ASCP)**

2011 – current **American Association Colleges of Pharmacy (AACP)**

2007 – current **American College of Clinical Pharmacy (ACCP)**

2005 – current **American Society of Health-System Pharmacists
(ASHP)**