

Joon Chang

Joon Chang, BSc Chemistry, Pharm.D.

Contact Information

Business

The University of Texas at Tyler
Ben and Maytee Fisch College of Pharmacy
Department of Clinical Sciences - Pharmacy
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Academic Appointments

Clinical Assistant Professor

Aug 2025 - Present

Department of Clinical Sciences
Ben and Maytee Fisch College of Pharmacy
The University of Texas at Tyler, Tyler, Texas

Professional Appointments

Critical Care Clinical Pharmacist

Aug 2025 - Present

Medical and Surgical Intensive Care Unit
UT Health East Texas, Tyler, Texas

Education and Training

Critical Care Academic Fellowship

Aug 2025 - Present

Ben and Maytee Fisch College of Pharmacy
Tyler, Texas
Director: Young Ran Lee, Pharm.D, FCCP, BCCCP, BCIDP, BCPS

ASHP Accredited PGY-1 Pharmacy Practice Residency

Jul 2024 - Jul 2025

St. Joseph Regional Health Hospital
Bryan, Texas
Director: Jessica Jones, Pharm.D, BCPS

Doctor of Pharmacy

Texas A&M Irma Lerma Rangel School of Pharmacy
College Station, Texas
GPA: 3.9

Aug 2020 - May 2024

Bachelor's of Science in Chemistry

Aug 2014 - May 2018

Southwestern University
Georgetown, Texas

Joon Chang

Certificates and Licenses

- Texas Registered Pharmacist #74687
- Sterile Compounding Certification - December 2021
- Medication Therapy Management Certification - April 2023
- Immunization Certification - September 2020
American Pharmacists Association
- Standard First Aid/CPR/AED Adult - June 2022
- Certified Advanced Cardiovascular Life Support (ACLS) Provider - January 2025
- Registered Preceptor - June 2025
- The Association of College and University Educators (ACUE) certified - May 2026

Critical Care Academic Fellowship Experience

Summer 2025 - Summer 2026

Ben and Maytee Fisch College of Pharmacy
The University of Texas at Tyler, Tyler, Texas
Director: Young Ran Lee, Pharm.D., FCCP, BCCCP, BCIDP, BCPS

UT Health Tyler, Tyler, Texas
Director: Young Ran Lee, Pharm.D., FCCP, BCCCP, BCIDP, BCPS

Clinical Rotations

Emergency Department

Apr 2026 - June 2026

UT Health Tyler, Tyler, Texas
Preceptors: Jacob Dunn, Pharm.D.

- Provided critical recommendations for intubation, sedation, antibiotics, and pain management among others during traumas, cardiac arrests, and others
- Demonstrated expertise in immediate-use compounding by preparing push-dose pressors (e.g., epinephrine), continuous infusions (e.g., vasopressors, propofol), and emergency boluses (e.g., amiodarone, RSI).
- Proficiently navigated EPIC to efficiently process and verify medication orders
- Advised providers on optimal antibiotic therapy for various conditions, including the management of septic shock

Medical/Surgical/CVICU/Neuro ICU

Jan 2026 - Feb 2026

UT Health Tyler, Tyler, Texas
Preceptor: Young Ran Lee, Pharm.D., FCCP, BCCCP, BCIDP, BCPS, Maha Hassan, Pharm.D.

- Independently participated in walking rounds with the Medical/Surgical/Neuro and CVICU attendings, medical residents, and medical students, contributing to clinical decision-making to ensure optimal patient care and facilitating order entry
- Demonstrated competency in completing clinical consults, including vancomycin, TPN, and warfarin

Trauma ICU

Nov 2025 - Dec 2025

Joon Chang

UT Health Tyler, Tyler, Texas

Preceptor: Nicholas Young, Pharm.D., BCPS

- Independently participated in walking rounds with the Trauma attending, medical residents, and medical students, contributing to clinical decision-making to ensure optimal patient care and facilitating order entry
- Demonstrated competency in completing clinical consults, including vancomycin, TPN, and warfarin
- Mentored a P4 student alongside the main preceptor, providing feedback to presentations, patient workups, etc.

Medical/Surgical/CVICU

Oct 2025 - Nov 2025

UT Health Tyler, Tyler, Texas

Preceptors: Young Ran Lee, Pharm.D., FCCP, BCCCP, BCIDP, BCPS, Victoria Wright, Pharm.D.

- Independently participated in walking rounds with the Medical/Surgical/CV ICU attending, medical residents, and medical students, contributing to clinical decision-making to ensure optimal patient care and facilitating order entry
- Demonstrated competency in completing clinical consults, including vancomycin, TPN, and warfarin
- Assisted one of the pulmonologists by compiling the latest data on treatment options for pulmonary arterial hypertension to streamline both inpatient and outpatient management of pulmonary arterial hypertension

Acute Care/Infectious Disease

Sep 2025 - Oct 2025

UT Health Tyler, Tyler, Texas

Preceptor: Shelby Go, Pharm.D., BCPS

- Independently participated in walking rounds with the Internal Medicine attending, medical residents, and medical students, contributing to clinical decision-making to ensure optimal patient care and facilitating order entry
- Reconciled patient medications, ensuring appropriate initiation, continuation, and modification of therapy as needed
- Assisted with patient education including discharge and medication counseling
- Demonstrated competency in completing clinical consults, including vancomycin, TPN, and warfarin

Didactic and Teaching Experience

Ben and Maytee Fisch College of Pharmacy, The University of Texas at Tyler, Clinical Instructor

- “Pharmacology/Pharmacotherapy: Antiviral Agents - Influenza,” Integrated Pharmacotherapy 2: Infectious Diseases (Anticipated), Fall 2026
- “Pharmacology: Antimycobacterial Agents/Tuberculosis,” Integrated Pharmacotherapy 2: Infectious Diseases (Anticipated), Fall 2026
- “Parasitic Infections, Travel Medicine and Vector Borne Diseases,” Integrated Pharmacotherapy 2: Infectious Diseases (Anticipated), Fall 2026

Joon Chang

- “Sexually Transmitted Infections,” (2.5 hours) Integrated Pharmacotherapy 2: Infectious Diseases (Anticipated), Fall 2026
- “Comprehensive Case Day - AKI/Drug-Induced Kidney Disease,” (2.0 hours) Integrated Pharmacotherapy 1: Respiratory/Renal (Anticipated), Fall 2026
- “Drug-Induced Kidney Injury,” (2.0 hours) Integrated Pharmacotherapy 1: Respiratory/Renal (Anticipated), Fall 2026
- “Acute Kidney Injury,” (4.0 hours) Integrated Pharmacotherapy 1: Respiratory/Renal (Anticipated), Fall 2026
- “Comprehensive Cases: SOAP notes and Clinical Cases,” (2.0 hours) Integrated Pharmacotherapy 7: Critical Care (Scheduled), Spring 2026
- “Traumatic Brain Injury,” (2.0 hours) Integrated Pharmacotherapy 7: Critical Care (Scheduled), Spring 2026
- “Acute Respiratory Distress Syndrome,” (2.0 hours) Integrated Pharmacotherapy 7: Critical Care (Scheduled), Spring 2026
- “ICU Thrombocytopenia,” (2.0 hours) Integrated Pharmacotherapy 7: Critical Care (Scheduled), Winter 2026
- “Sepsis and Septic Shock,” (2.0 hours) Integrated Pharmacotherapy 7: Critical Care (Scheduled), Winter 2026
- “Diabetic Ketoacidosis and Hyperosmolar Hyperglycemic State,” (2.0 hours) Integrated Pharmacotherapy 7: Critical Care (Scheduled), Winter 2026
- “Pain, Agitation, Sedation, and Delirium,” (2.0 hours) Integrated Pharmacotherapy 7: Critical Care (Scheduled), Winter 2026
- “Tuberculosis,” (2.5 hours), Integrated Pharmacotherapy 2: Infectious Diseases (Scheduled), Fall 2025
- “Sexually Transmitted Infections,” (2.5 hours) Integrated Pharmacotherapy 2: Infectious Diseases (Scheduled), Fall 2025

Irma Lerma Rangel College of Pharmacy, Texas A&M, Guest Lecturer

- “Study Designs: Fundamentals and Interpretation,” (2.0 hours), Drug Literature (Scheduled)

PGY1 Experience

Summer 2024 - Summer 2025

St. Joseph Regional Health Hospital, Bryan, Texas
Director: Jessica Jones, Pharm.D., BCPS

Internal Medicine II

May 2025 - Jun 2025

St. Joseph Regional Health Hospital, Bryan, Texas
Preceptor: Koren Dunn, Pharm.D., BCPS

- Participated in tableside and walking rounds with the Family Medicine team contributing to clinical decision-making to ensure optimal patient care and facilitating order entry
- Reconciled patient medications, ensuring appropriate initiation, continuation, and modification of therapy as needed
- Demonstrated competency in vancomycin dosing and monitoring using InsightRx and considering patient-specific parameters

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- Mentored pharmacy students by reviewing patient cases, providing constructive feedback, and evaluating their grasp of clinical concepts
- Applied principles of antimicrobial stewardship, appropriately starting or stopping therapy based on clinical indications

Infectious Disease Elective

Apr 2025 - May 2025

St. Joseph Regional Health Hospital, Bryan, Texas

Preceptor: Jessica Jones, Pharm.D., BCPS

- Participated in bedside and walking rounds with the Infectious Disease providers, contributing to clinical decision-making to ensure optimal patient care and facilitating order entry
- Demonstrated competency in vancomycin dosing and monitoring using InsightRx and considering patient-specific parameters
- Applied principles of antimicrobial stewardship, appropriately starting or stopping therapy based on clinical indications

Pharmacy Administration

St. Joseph Regional Health Hospital, College Station, Texas

Mar 2025 - Apr 2025

Preceptor: Derek Harvick, Pharm.D., CSSBB

- Led Tier 1 Huddle Meetings for the Pharmacy Department
- Helped implement KitCheck for ease of verification
- Collected data about opioid administration of St. Joseph Regional Hospital and neighboring Critical Access Hospitals to analyze prescribing patterns
- Optimized Pyxis setup and medication layout for the opening of the new Critical Care Unit

Critical Care II

Jan 2025 - Feb 2025

St. Joseph Regional Health Hospital, Bryan, Texas

Preceptor: Jency Varickattu, Pharm.D., BCPS, BCCCP

- Participated in table and walking rounds with the General Surgery team contributing to clinical decision-making to ensure optimal patient care and facilitating order entry
- Participated in walking rounds with the Critical Care team contributing to clinical decision-making to ensure optimal patient care and facilitating order entry
- Reconciled patient medications, ensuring appropriate initiation, continuation, and modification of therapy as needed
- Demonstrated competency in vancomycin and TPN dosing and monitoring using InsightRx and considering patient-specific parameters
- Applied principles of antimicrobial stewardship, appropriately starting or stopping therapy based on clinical indications

Critical Care I

Nov 2024 - Dec 2024

St. Joseph Regional Health Hospital, Bryan, Texas

Preceptor: Jency Varickattu, Pharm.D., BCPS, BCCCP

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- Participated in walking rounds with the Critical Care team contributing to clinical decision-making to ensure optimal patient care and facilitating order entry
- Reconciled patient medications, ensuring appropriate initiation, continuation, and modification of therapy as needed
- Demonstrated competency in vancomycin and TPN dosing and monitoring using InsightRx and considering patient-specific parameters
- Applied principles of antimicrobial stewardship, appropriately starting or stopping therapy based on clinical indications

Internal Medicine I

Oct 2024 - Nov 2024

St. Joseph Regional Health Hospital, Bryan, Texas

Preceptors: Nephry Samuel, Pharm.D., BCPS, Koren Dunn, Pharm.D., BCPS

- Participated in tableside and walking rounds with the Family Medicine team contributing to clinical decision-making to ensure optimal patient care and facilitating order entry
- Reconciled patient medications, ensuring appropriate initiation, continuation, and modification of therapy as needed
- Demonstrated competency in vancomycin dosing and monitoring using InsightRx and considering patient-specific parameters
- Mentored pharmacy students by reviewing patient cases, providing constructive feedback, and evaluating their grasp of clinical concepts
- Applied principles of antimicrobial stewardship, appropriately starting or stopping therapy based on clinical indications

Emergency Department

Sep 2024 - Oct 2024

St. Joseph Regional Health Hospital, Bryan, Texas

Preceptor: Trager Hintze, Pharm.D., BCCCP

- Provided critical recommendations for intubation, sedation, and pain management during Level I and Level II trauma cases
- Demonstrated expertise in immediate-use compounding by preparing push-dose pressors (e.g., epinephrine), continuous infusions (e.g., norepinephrine and vasopressors), and emergency boluses (e.g., amiodarone).
- Proficiently navigated PICIS and Meditech systems to efficiently process and verify medication orders
- Advised providers on optimal antibiotic therapy for various conditions, including the management of septic shock
- Mentored pharmacy students by reviewing patient cases, offering constructive feedback, and assessing their understanding of clinical concepts

Cardiac/Stroke

Aug 2024 - Sep 2024

St. Joseph Regional Health Hospital, Bryan, Texas

Preceptor: Jessica Jones, Pharm.D., BCPS

- Demonstrated strong time management and rapid clinical decision-making skills by reviewing numerous patient profiles and verifying orders for the entire telemetry unit, consisting of approximately 90 patients

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- Actively participated in interdisciplinary rounds including stroke rounds, collaborating with other healthcare teams to ensure optimal clinical decisions and comprehensive patient care
- Shadowed a heart failure/heart transplant specialist in the outpatient clinic, advising and educating patients on lifestyle adjustments and medication management.
- Provided discharge counseling for heart failure and CABG patients, ensuring understanding of their condition, medication adherence, and awareness of potential adverse effects.
- Educated nursing staff on the proper application of the heparin drip protocol, ensuring patient safety by verifying correct indications, dosing, and laboratory orders.
- Managed antithrombotic therapy by optimizing dosing for DOACs, heparin, and warfarin, and monitoring for potential adverse reactions and abnormal laboratory values

Select Longitudinal Residency Experiences

Summer 2024 - Present

St. Joseph Regional Health Hospital, Bryan, Texas

- Performed pain management audits as part of the Pharmacy & Therapeutics Committee (P&T), reviewing pain medication utilization and ensuring proper pain scale assessments to promote safe and effective pain management
- Contributed to the development of a policy for immediate-use compounding of critical medications (e.g. Prothrombin Complex Concentrate), optimizing workflow and improving response times for patient care
- Analyzed the efficacy and cost-effectiveness of subcutaneous insulin vs IV insulin
- Created nursing and provider education material recommending updates to the DKA protocol based on the updated DKA 2024 guidelines
- Updated the medication guideline for nifedipine, incorporating updated studies
- Created a drug monograph for pafolacianine (Cytalux) to present at P&T describing the pros and cons of adding it to formulary

Texas A&M Irma Lerma Rangel College of Pharmacy

- Engaged in the Academic Teaching Program, collaborating with faculty to design lesson plans and activities replicated real-world pharmacy practice, and assisting with the clinical skills lab by supporting lecture material and guiding students

Miscellaneous Professional Experience

Sterile Compounding Pharmacy Technician

Winter 2020 - Winter 2023

St. David's Georgetown Hospital, Georgetown, Texas

- Sterilely and non-sterilely compounded medications following USP guidelines
- Delivered medications to Pyxis units and hospital staff
- Monitored and maintained refrigerators, Pyxis units, and sterile clean-room

Pharmacy Technician

Spring 2019 - Summer 2021

Walgreens, Cedar Park, Texas

- Prepared medication for patients, including correctly filling and pricing the medications

Joon Chang

- Figured out insurance problems associated with prescriptions, including corresponding with insurance companies
- Provided customer service, including answering general questions about medications or general Walgreens questions
- Received and wrote up prescription orders from doctors and prescribers

Clinical Rotations - APPE

Critical Care Elective Ascension Seton Medical Center, Austin, Texas	Jan 2024 - Feb 2024
Acute Care/General Medicine St. David's Georgetown Hospital, Georgetown, Texas	Oct 2023 - Dec 2023
Hospital/Health-System Pharmacy St. David's Georgetown Hospital, Georgetown, Texas	Sep 2023 - Oct 2023
Ambulatory Care Baylor Scott & White Clinic, Georgetown, Texas	Aug 2023 - Sep 2023
Spanish Immersion at CVS Elective CVS #213, Austin, Texas	Jul 2023 - Aug 2023
Community Pharmacy Randalls #1896, Cedar Park, Texas	May 2023 - Jul 2023
IPPE P2 Fall Institutional Encompass Health Rehabilitation Hospital, Round Rock, Texas	Jan 2022 - Apr 2022
IPPE P2 Spring Community Walmart #10-322, Bryan, Texas	Aug 2021 - Nov 2021

Research Experience

Evaluating Artificial Intelligence–Generated Feedback Versus Human Feedback on Pharmacy Student SOAP Notes: A Pilot Study

- Faculty mentor: Young Ran Lee, Pharm.D., FCCP, BCCCP, BCIDP, BCPS
- Role: Co-investigator
- To evaluate and compare the quality, consistency, and rubric-based scoring of AI-generated feedback versus human-generated feedback on P3 pharmacy students' SOAP notes derived from a standardized sepsis patient case.

Impact of Obesity on Time to Therapeutic aPTTs in Patients Receiving Unfractionated Heparin for Venous Thromboembolism

Joon Chang

- Faculty Mentor: Young Ran Lee, Pharm.D., FCCP, BCCCP, BCIDP, BCPS
- Role: Co-investigator
- Performed a retrospective chart review to compare the time to reach therapeutic aPTT for two consecutive times between non-obese and obese patient populations

Utilizing PEN-FAST in Reported Penicillin Allergies to Determine Inappropriate Antibiotic Therapy

- Faculty Mentors: Trager Hintze, Pharm.D., BCCCP, Jessica Jones, Pharm.D., BCPS
- Role: Primary Author
- Performed a retrospective chart review to assess and compare the incidence of patients with a documented penicillin allergy receiving non-first line antibiotics in disease states where a beta-lactam is preferred to those who were challenged with a beta-lactam utilizing PEN-FAST.

Oral Iron with Vitamin C Supplementation to Reduce Need for Blood Transfusions in Acute Trauma

- Faculty Mentor: Trager Hintze, Pharm.D., BCCCP
- Role: Primary author
- Performed a retrospective chart review on patients admitted for acute trauma, who received blood product resuscitation, and have received oral or intravenous iron and vitamin C.

Warfarin to DOAC Conversion

- Faculty Mentor: Heather Hay, Pharm.D., BCPS, BCACP, CDCES
- Role: Data Collection and Manuscript Writing
- Performed a retrospective chart review on patients who were eligible for transition from warfarin to DOACs and reason for lack of transition

Safety Outcomes After Sacubitril/ Valsartan Initiation in a Community Hospital

- Faculty Mentors: Erin Anderson, Pharm.D., Trager Hintze, Pharm.D., BCCCP
- Role: Data Collection
- Performed a retrospective chart review looking at the safety and efficacy of Entresto in patients who were being treated for CHF

Presentations

- “Safety and Efficacy of Donanemab in Patients with Alzheimer’s Disease,” presented to pharmacy staff at Baylor Scott & White Hospital; Georgetown, Texas
- “Antibody Antiphospholipid Syndrome,” presented to the pharmacy staff at Baylor Scott & White Hospital; Georgetown, Texas
- “Pulmonary Arterial Hypertension,” presented to the pharmacy staff at St. David’s Healthcare Hospitals; Georgetown, Texas
- “Wegener’s Granulomatosis,” presented to the pharmacy staff at St. David’s Healthcare Hospitals; Georgetown, Texas
- “Naloxone and Pulmonary Edema,” presented to the medical ICU team at Ascension Seton Medical Center; Austin, Texas

Joon Chang

- “Acute Coronary Syndrome,” presented to the pharmacy staff at St. Joseph’s Regional Health Hospital; Bryan, Texas
- “Heart Failure,” presented to the pharmacy staff at St. Joseph’s Regional Health Hospital; Bryan, Texas
- “Edoxaban Antithrombotic Therapy for Atrial Fibrillation and CAD,” presented to the pharmacy staff at St. Joseph’s Regional Health Hospital; Bryan, Texas
- “ACLS,” presented to the pharmacy staff at St. Joseph’s Regional Health Hospital; Bryan, Texas
- “Sepsis,” presented to the pharmacy staff at St. Joseph’s Regional Health hospital, Bryan, Texas
- “Biostatistics: Data, Hypothesis, Distribution,” presented to the pharmacy staff at St. Joseph’s Regional Health Hospital; Bryan, Texas
- “Alcohol Withdrawal Syndrome,” presented to the pharmacy staff at St. Joseph’s Regional Health Hospital; Bryan, Texas
- “Study Designs: Fundamentals and Interpretation,” presented to the pharmacy staff at St. Joseph’s Regional Health Hospital; Bryan, Texas
- “Acute Otitis Media (Pediatrics),” presented to the pharmacy staff at St. Joseph’s Regional Health Hospital; Bryan, Texas
- “Infective Endocarditis/Bacteremia,” presented to the pharmacy staff at St. Joseph’s Regional Health Hospital; Bryan, Texas
- “Brugada Be Kidding Me: A Pharmacist’s Role in Managing a Shocking Syndrome,” presented to the pharmacy staff at St. Joseph Regional Health Hospital; Bryan, Texas
- “Diabetic Ketoacidosis: Review of Protocol Compliance,” presented to the hospitalist staff at St. Joseph Regional Health Hospital; Bryan, Texas
- “PADIS,” presented to the pharmacy staff at UT Health Tyler; Tyler, Texas
- “Pressors and Inotropes,” presented to the pharmacy staff at UT Health Tyler; Tyler, Texas
- “Sepsis and Septic Shock,” presented to the pharmacy staff at UT Health Tyler; Tyler, Texas
- “Cardiogenic Shock,” presented to the pharmacy staff at UT Health Tyler; Tyler, Texas
- “Traumatic Brain Injury,” presented to the pharmacy staff at UT Health Tyler; Tyler, Texas
- “Sexually Transmitted Infections,” in-service presented to the nursing staff at the Jacksonville Clinic; Jacksonville, Texas
- “Diuretic Strategies in Patients with Acute Decompensated Heart Failure,” journal club presented to the Ben and Maytee Fisch College of Pharmacy faculty and students; Tyler, Texas
- “Fidaxomicin versus Vancomycin for *Clostridium difficile* Infection,” journal club presented to the Ben and Maytee Fisch College of Pharmacy faculty and students; Tyler, Texas
- “5 versus 7 days of CAP Therapy,” patient case presented to the Ben and Maytee Fisch College of Pharmacy faculty and students; Tyler, Texas
- “Apixaban for the Initial Management of Pulmonary Embolism and Deep-Vein Thrombosis as First-Line Therapy,” journal club presented to the Ben and Maytee Fisch College of Pharmacy faculty and students; Tyler, Texas
- “Asundexian for Secondary Stroke Prevention,” journal club presented to the Ben and Maytee Fisch College of Pharmacy faculty and students; Tyler, Texas
- “Terlipressin plus Albumin for the Treatment of Type 1 Hepatorenal Syndrome,” journal club presented to the Ben and Maytee Fisch College of Pharmacy faculty and students; Tyler, Texas

Awards and Honors

Joon Chang

Powerpoint Presentation, Utilizing PEN-FAST in Reported Penicillin Allergies to Determine Inappropriate Antibiotic Therapy, 2025 TSHP Annual Seminar	Apr 2025
Poster Presentation, Inappropriate Titration of Insulin Drips for DKA, 2025 Alcalde Southwest Leadership Conference	Apr 2025
Poster Presentation, Utilizing PEN-FAST in Reported Penicillin Allergies to Determine Inappropriate Antibiotic Therapy, 2024 ASHP Midyear Clinical Meeting and Exhibition	Dec 2024
Poster Presentation, Oral Iron with Vitamin C Supplementation to Reduce Need for Blood Transfusions in Acute Trauma, 2023 ASHP Midyear Clinical Meeting and Exhibition	Dec 2023
Rho Chi, Texas A&M Irma Lerma Rangel School of Pharmacy	Spring 2022 - Spring 2023
Dean's List, Texas A&M Irma Lerma Rangel School of Pharmacy	Spring 2021 - Spring 2023

Professional Memberships/Leadership

Rho Chi

Historian

Spring 2022 - Spring 2023

- Duties: Captured photos and videos to highlight events and celebrations, assisted with student tutoring of Neurology, cooperated with the team to develop ideas for events and bettering Rho Chi as a whole, developed flyers to distribute to students