**Sahr Binzager**

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**EDUCATION**

08/2020– Present Doctor of Pharmacy (Anticipated May 17, 2024)

 The University of Arizona, College of Pharmacy, Tucson, AZ

08/2017– 08/2020 Pre-Pharmacy

 The University of Arizona, Tucson, AZ

08/2015 – 08/2017 English as a Second Language Program

 Saint Louis University, Saint Louis, MO

**PROFESSIONAL EXPERIENCE AND EMPLOYMENT**

12/2022 – present Pharmacy intern

Walgreens pharmacy, Tucson, AZ

 Supervisor: Sara Andrus

* Work in a busy location to assure patient satisfaction
* Perform pharmacy intern tasks like medication counting, patient counseling, and insurance related tasks
* Recommend over the counter medication to patients
* Administer vaccines like COVID-19, flu shots, HPV, and other vaccines to patients.

**PRESENTATIONS**

03/2023 Management of Acute Esophageal Variceal Bleed

 Case Presentation; Presented to the pharmacists, residents, and interns

 Presented at: Banner Medical Center, South Campus

03/2024 Effect of Torsemide vs Furosemide After Discharge on All-Cause Mortality in Patients

Hospitalized With Heart Failure: The TRANSFORM-HF RCT

 Journal Club Presentation; Presented to the pharmacists, residents, and interns

 Presented at: Banner Medical Center, South Campus

02/2024 Clinical Practice Guidelines for Diabetes Management in CKD

 Pharmacist Final Presentation; Presented to the pharmacists, and pharmacy manager

 Presented at: Oro Valley Hospital

02/2024 The Use and Importance of Naloxone Nasal Spray

 Pharmacy Technicians and Interns Educational Presentation

 Presented at: Oro Valley Hospital

11/2023 Exploring Snake in the Middle East and Available Antivenoms

 Final Project Presentation; Presented to the attending physicians, residents, fellows, and

 The pharmacists

 Presented at: Arizona Poison Control Center

09/2023 RSV Vaccines (Abrysvo and Arexvy)

Final project presentation, presented to the PS&T meeting

 Presented at: El Rio Pharmacy

06/2023 The Use of CRP Marker for De-escalation of Antibiotics For ICU Patients

Journal Club Presentation; Presented to physicians, pharmacists, residents, and intern students

 Presented at: The Saudi German Hospital

06/2023 Management of Septic Shock Secondary to Aspiration Pneumonia

Case Presentation; Presented to physicians, pharmacists, residents, and intern students

 Presented at: The Saudi German Hospital

05/2022 Effectiveness and Safety of Direct Oral Anticoagulants Versus Warfarin in Patients with Valvular Atrial Fibrillation​

 Journal Club Presentation

 Presented at: The University of Arizona, R. Ken Coit College of Pharmacy, Tucson, AZ

Facilitated by Dr. Tyler Gallo, Pharm.D and Dr. Michael Katz, Pharm.D.

04/2022 Trial of Pimavanserin in Dementia-Related Psychosis

 Journal Club Presentation

 Presented at: The University of Arizona, R. Ken Coit College of Pharmacy, Tucson, AZ

Facilitated by Dr. Nina Vadiei, PharmD, BCPP

**RESEARCH & QUALITY IMPROVEMENT EXPERIENCE**

01/2023-05/2024 Senior Research Project

Naloxone dispensing models in the United States: A scoping review on the present literature evaluating the outcomes and prevalence of implemented naloxone distribution methods

Jackie Tan; Leah Rath; Kayleen Velasco; Chinwuwanuju Sampson; Sahr Bin Zager

Project Advisors: Rhys Axon, Ph.D, Nina Vadiei PharmD, BCPP

Present on 05/2024

At the Poster showcase at the Pharmacy of Arizona College of Pharmacy

08/2021-05/2022 Quality Improvement Project

The Impact of Pharmacy Intern Administering Vaccines in a Community Pharmacy and its Effects on Prescription Ready Rate

Sahr Binzager, Alex Duong, Catherine Hensley, Kelsi Flynn, Connor Holloway, Raul Burgos

Project Preceptor: Aaron Middleton, PharmD

 Presented on 05/2022,

At the Poster showcase at the Pharmacy of Arizona College of Pharmacy

**EXPERIENTIAL EDUCATION**

**Advanced Pharmacy Practice Experiences (APPE)**

03/2024 – 05/2024 Infectious Disease

 UA COP Banner University Medical Center

 Preceptor: Kathryn Matthias

* Not started yet

02/2024 – 03/2024 Hospital/Health System

 Banner University Medical Center – South Campus

 Preceptor: Michaela Konecnik

* Completed a 6-week period for a total of 232 hours
* Spent time in the Emergency Department collaborating closely with the pharmacist. My responsibilities included assessing and managing patients, which involved presenting them to both the pharmacist and intern with valuable interventions.
* Participated in responding to various critical situations such as code blue and stroke incidents, by assisting with medication interventions.
* Rotated in intensive care unit, prepared patient cases prior to rounding with physicians, residents, and pharmacists. Actively participated in patient care by performing medication interventions. Facilitated discussions within the team to ensure patient care and wellbeing
* Counseled patients who are initiating therapy with apixaban, rivaroxaban, warfarin, and other blood thinner products

01/2024 – 02/2024 General Medicine

 Oro Valley Hospital

 Preceptor: Jamie Weibel

* Completed a 6-week period for a total of 232 hours
* Executed clinical pharmacist responsibilities using the Sentri7 built-in website for the hospital, encompassing vancomycin dosing, renal dosing/monitoring, anticoagulation monitoring service, antimicrobial stewardship, opioid stewardship, and IV to PO conversions
* Provided counseling to patients initiating therapy with apixaban, rivaroxaban, warfarin, and other blood thinner products
* Offered counseling to patients experiencing new onset of acute coronary syndrome (ACS), congestive heart failure (CHF), and other disease states

10/2023 – 12/2023 Arizona Poison and Drug Information Center

 Preceptor: Steven Dudley

* Worked for 6 weeks of a total of 232 hours
* Participated in daily table rounding with residents, attending physicians, and fellows
* Presented patient cases to the interdisciplinary team and proposed assessment and plan

09/2023 – 10/2023 Ambulatory Care (Psychiatric)

 Genoa Pharmacy, Tucson, AZ.

 Preceptor: Terra Lundgren

* Worked for 6 weeks of a total of 232 hours
* Helped the pharmacist and performed pharmacy intern responsibilities
* Reviewed prescription orders and approve them
* Administered vaccines to patients and staff
* Performed medication counting, patients counseling
* Had daily discussions with the pharmacist about psychiatric conditions and medications

08/2023 – 09/2023 Community Rotation

 El Rio pharmacy, Tucson, AZ

 Preceptor: Karol Candlish

* Worked for 6 weeks of a total of 232 hours
* Performed pharmacy intern responsibilities
* Made transfers, initial review of orders, filling medications, and counseling patients
* Helped the technicians with their basic daily duties
* Attended weekly journal club meetings with pharmacy residents
* Discussed diabetes related topics with the pharmacist

05/2023 – 06/2023 International APPE Rotation

 ICU Pharmacy in Saudi German Hospital, Jeddah, KSA

 Preceptor: Michael Katz

* Worked for 6 weeks of a total of 232 hours
* Worked in the ICU pharmacy with an ICU clinical pharmacist to prepare patient cases before rounds. Then, rounded with the team and involved in direct patient care
* Participated in daily discussions about ICU-related topics with the clinical pharmacist
* Aided the interns and inpatient pharmacists in clinical practices and patient care

**Introductory Pharmacy Practice Experiences (IPPE) – Completed**

12/2022 – 01/2023 IPPE winter

 Banner University Medical Center, Tucson, AZ

 Preceptor: Ryan Anderson

* Worked for 3 weeks of a total of 120 hours
* Worked in three different pharmacy satellites inside Banner starting in the central inpatient pharmacy. Then the OR pharmacy. Then, went to the pediatrics pharmacy.
* I started performing some the pharmacy technicians’ tasks like manufacturing, medications reconstitution, stocking the shelves with medications, stocking the pyxis, and preparing patients orders.
* I shadowed multiple staff pharmacists during my rotation.
* I spent the second week with the OR pharmacist and discussed OR-pharmacy related topics along with other pharmacy topics.
* For the last week, I spent it with the staff pharmacists on the pediatrics pharmacy and shadowed a clinical pediatrics pharmacist.
* I shadowed the pediatrics resident for one day and went through rounds with her and observed presentation, discussion patients’ cases with her.

12/2021 – 01/2022 IPPE winter

Community Pharmacy Fry's Pharmacy. Tucson, AZ

 Preceptor: Ameera Aladimi, PharmD

* Worked for 3 weeks of a total of 120 hours
* Performed basic pharmacy intern responsibilities
* Reconstituted the COVID-19 vaccine for adults and pediatrics
* Reconstituted and administered shingles vaccine
* Administered vaccines to adults and pediatrics
* Worked on the patient management queue (CQ)
* Called other pharmacies for prescription transfers, verbal prescriptions, and got clarification about prescription
* Practiced counseling patients and verifying prescriptions
* Practiced product dispensing
* Had on-going mini projects with the preceptor and solved some challenging questions.

06/2021 – 06/2021 Internship in community pharmacy (Independent studies)

Alnahdi Pharmacy, Jeddah, Saudi Arabia

Preceptor: Michael Katz, PharmD.

* Observed the pharmacists doing regular work in community pharmacy for 1 week
* Learned the different prescription and OTC medications in the pharmacy in Saudi Arabia and compared them with the current medications in the US
* Discussed important responsibilities with the pharmacist

06/2021 – 07/2021 Internship in clinical pharmacy (Independent studies)

King Abdul-Aziz University, Jeddah, Saudi Arabia

Preceptor: Michael Katz, PharmD.

* Observed Dr. Mohannad Alshibani for 3 weeks
* discussed case presentations
* Learned how to collect patient information from the hospital’s database
* Joined and participated with the residents’ case discussions

01/2021 – 04/2021 **Student and Older Adult Relationship (SOAR) Program**

University of Arizona, Tucson, AZ

Preceptors: Jenene Spencer, PharmD. and Sandi Thoi, PharmD

* Met with older adult four times via phone
* Practiced interviewing and communication skills
* Documented medication and vaccination histories
* Created medication list
* Conducted and documented medication and health history
* Performed assessments of mental status, nutrition, and sleep

01/2021-04/2021 **MedWiseRx**

Tucson, AZ

Preceptor: Kwyn Morales, PharmD

* Conducted and documented adherence counseling with patients over the phone
* Collected immunization histories and assessed the needs for CDC-recommended vaccinations with patients over the phone
* Developed effective motivational interviewing, counseling, communication, and critical thinking skills

**Interprofessional Experience and Practice (IPEP), University of Arizona Health Sciences Campus**

10/2022 Covid-19 IPE

 The University of Arizona Health Sciences, Tucson, AZ

04/2022 Overdose Recognition and Naloxone Administration

 The University of Arizona Health sciences, Tucson, AZ

03/2022 Pharmacy and Nutritional science IPE

 The University of Arizona Health Sciences, Tucson, AZ

02/2022 Disabilities IPE Exercise

 The University of Arizona Health Sciences, Tucson, AZ

09/2020 Interprofessionalism for Patient Safety

 The University of Arizona Health Sciences, Tucson, AZ

04/2021 CPR Team Behaviors IPE

 The University of Arizona Health Sciences, Tucson, AZ

**PROFESSIONAL LICENSURE AND CERTIFICATION**

11/2023 – 11/2024 Basic Life Support for Health Care Providers (CPR and AED program)

 Always CPR Training Center LLC, Tucson, AZ

01/2021 – 01/2026 Pharmacist Intern License with Certified Immunizer Designation

 Arizona State Board of Pharmacy Phoenix, AZ

01/2021 – 01/2027 Fingerprint Clearance Card Level One

 State of Arizona Department of Public Safety

**ADDITIONAL TRAINING/SKILLS**

**The University of Arizona, College of Pharmacy** – **Specific Trainings**

04/2023 – 04/2024 Bloodborne Pathogen Exposure Training

The University of Arizona, Tucson, AZ

08/2023 – 08/2024 Health Insurance Portability and Accountability Act (HIPAA)

The University of Arizona, Tucson, AZ

04/2021 QPR Suicide Prevention Training

 The University of Arizona Health Sciences, Tucson, AZ

**Health Fair Trainings**

08/2020 Osteoporosis Screening Training Workshop

08/2020 Dyslipidemia Screening Training Workshop

08/2020 Hypertension Screening Training Workshop

08/2020 Breathing Assessment Training Workshop

08/2020 Diabetes Screening Training Workshop

Oct 1st, 2022 Tobacco Cessation education, Binational Health Fair

 Tucson, AZ

April 23rd, 2022 Hypertension Screening, Refugee Health and Wellness Fair

 Tucson, AZ

**HONORS AND AWARDS**

08/2015 – Present Saudi Arabian Cultural Mission (SACM) Scholarship

The Cultural Mission of the Royal Embassy of Saudi Arabia, Riyadh

* *Based on high school GPA and post-graduation tests*

12/2019 Dean’s Honorable Mention

 The University of Arizona, Tucson, AZ

* *Based on university GPA (15 units and a grade-point average of 3.500-3.999)*

12/2018 Dean’s Honorable Mention

 The University of Arizona, Tucson, AZ

* *Based on university GPA (15 units and a grade-point average of 3.500-3.999)*

05/2017 Dean’s Honorable Mention

 The University of Arizona, Tucson, AZ

* *Based on university GPA (15 units and a grade-point average of 3.500-3.999)*

**PROFESSIONAL SERVICE**

**International pharmaceutical student’s federation (IPSF)**

2022-2023 E board member – Tobacco Awareness Coordinator

**National Community Oncology Dispensing Association**

2021-2022 Member

**Arizona Pharmacy Association (AzPA)**

2021-2022 Member

**VOLUNTEER WORK**

03/2021-04/2021 COVID-19 vaccine volunteer

 UAPOD vaccination

* *Filled out vaccine cards (scribe)*
* *Administered vaccines*
* *Asked patients questions regarding pre-vaccine screening*
* *Educated patients about what to do when before and after receiving vaccines*

01/2021-01/2021 COVID-19 vaccine volunteer

Fry’s COVID Vaccination events at Maryvale High School and Cesar Chavez High School

* *Filled out vaccine cards (scribe)*
* *Administered vaccines*
* *Asked patients questions regarding pre-vaccine screening*
* *Educated patients about what to do when before and after receiving vaccine*

08/2019 – 10/2019 The Community Food Bank of Southern Arizona, Tucson, AZ

Preceptor: Stacy Oliver

* *Interacted with older adults*
* *Volunteered inside the kitchen and prepared meals for older adults*

08/2019 – 10/2019 Northwest Medical Center Main Pharmacy, Tucson, AZ

Preceptor: Diane Meyer, PharmD.

* *Volunteered in main pharmacy for a total of 50 hours*
* *Interacted with registered pharmacists, pharmacy technicians, and physicians in pharmacy settings*
* *Expanded knowledge of brand and generic medication names Prepared IV kits*

08/2019 – 08/2019 Northwest Medical Center Main Pharmacy, Tucson, AZ

Preceptor: Arif Quraishy, PharmD.

* *Observed pharmacist for 3 hours through rounds at Northwest Medical Center*
* *Discussed the pharmacist’s role in hospital how to give the best care for patients*

**SKILLS**

Fluent in written and spoken Arabic