

ADVANCED PRACTICE EXPERIENCES: FACULTY

**Blank Children's Hospital Pediatrics
Des Moines, IA**

Ed Bell

**Pediatric
Specialty Care**

Outpatient pediatric clinic focused on asthma and cystic fibrosis and related conditions.

**Broadlawns Medical Center Internal Medicine
Des Moines, IA**

Andrew Miesner

**Acute Care
Ambulatory Care
Specialty Care**

This adult medicine clinical clerkship allows Doctor of Pharmacy candidates to participate in pharmaceutical care activities in an acute or ambulatory care patient setting. Interactions with physicians (Internal Medicine), residents (Family Practice), medical students (DMU) and other pharmacy students (Drake, Iowa), pharmacists, and other health care professionals will allow candidates to develop skills necessary to enter the profession of pharmacy. Candidates are expected to participate as an active member of the Internal Medicine Teaching Service or Internal Medicine Anticoagulation Clinic at Broadlawns Medical Center.

Activities include reviewing patient profiles for actual and potential drug therapy problems, participating in daily patient rounds or clinic, making pharmaceutical recommendations, reviewing drug therapy decisions, serving as a drug information resource, counseling patients, and educating health care members about pharmacy issues. Additional activities may include attendance at morning report and noon conferences and presentations of pharmacy related subjects. Students at a minimum will present at least two topic discussions and one journal club.

Mission Statement: Broadlawns Medical Center is a public-owned resource which strives to meet the healthcare needs of all Polk county residents through the provision of quality health services and the training of tomorrow's health care professionals.

**Broadlawns Medical Center - Psychiatry
Des Moines, IA**

Sarah Grady

**Psychiatric
Specialty Care**

The Psychiatry rotation is designed to guide the student in developing and refining their pharmaceutical care skills in an acute psychiatric setting. Students will play an active role on the psychiatry team. Students will review charts and patient profiles to assess drug therapy decisions and make recommendations concerning drug therapy. Students will take an active role in seeking out and preventing drug therapy problems. They will act as a drug information resource to the team and patients. The students will serve as educators for the psychiatry team, other health professional students and patients in the in-patient, partial and outpatient psychiatric areas.

**Community Support Advocates
Des Moines, IA**

Anisa Fornoff

**Disabilities
Psychiatric
Specialty Care**

This rotation involves students with a case management team providing services to mentally ill clients in the community. Patients often are homeless and of low income. Students will act as part of a team providing a variety of services to their clients. Students will be required to carry a patient case load of approximately 4-5 patients. During the rotation students will review case histories, meet and review with the team, visit clients at their place of residence to interview and obtain medication histories, assess for drug related problems, develop pharmaceutical care plans. Plans are reviewed with the pharmacist preceptor and develop implementation of the plan through conferences with the team, client and primary care provider. The student will also act as a drug information resource to the team which carries a case load of 110 patients. The student will also provide educational programs for the team and clients. Transportation is required for this rotation.

**Drake University Academic Elective
Des Moines, IA**

Renaë Chesnut

**Non Patient Care
Academic**

This advanced practice experience is designed to provide students the opportunity to understand the primary roles (Teaching, Research, and Service) of a pharmacy educator in an educational setting. As part of this experience, students will begin to form a personal philosophy of education. In addition, students will gain awareness and experience in research projects and pharmacy education.

Goals:

- * At the end of this advanced experience, students will be able to:
- * Develop, implement, and evaluate an educational session.
- * Understand the differences in teaching adult learners versus traditional students.
- * Discuss with prospective students the opportunities within the pharmacy profession and at Drake University.
- * Create/Update their teaching portfolio and statement on their philosophy of teaching (optional)
- * Participate in various phases of the planning and implementation of a research project.
- * Experience pharmacy education as a practice site and career

**Drake University Academic Elective
Des Moines, IA**

Heidi Price-Eastman

**Non Patient Care
Academic**

This advanced practice experience is designed to provide students the opportunity to understand the primary roles (Teaching, Research and Service) in pharmacy academia. Students will be integrated into the classroom, where they will be part of the team teaching and helping with the PSA series. As with all other rotations, it is expected that students will document activities on the daily log for feedback opportunities. In addition to documenting activities, students will also reflect on the experiences and document what they learned from the experience.

Goals:

At the end of this advanced experience, students will be able to:

- * Develop, implement and teach an education session
- * Understand the differences in teaching adult learners versus traditional students
- * Experience pharmacy education as a practice site and career
- * Understand the complexity of lecture, lab and exam preparation

This pediatrics rotation focuses on pediatric pulmonary patients, including those suffering from asthma, chronic lung disease, and other pulmonary disease states. Blank Children's Clinics also has a cystic fibrosis center and pharmacy students will participate in the care of these patients. Most patients seen will be clinic (ambulatory) patients. General pediatrics topics will also be discussed.

**Integra Health
Des Moines, IA**

TBD

**Ambulatory Care
Ambulatory Care - IM
Specialty Care**

Similar in scope to experiences at Jordan Creek and Lakeview, students will participate as an active member of the health care team, providing various pharmacy driven services including anticoagulation, diabetes care and education. Students will monitor and engage in follow up with patients. They will participate in journal club activities, topic discussions, and prepare presentations for the clinic staff.

**Iowa Diabetes & Endocrinology
Des Moines, IA**

June Felice Johnson

**Diabetes
Endocrinology
Specialty Care**

Students must have completed the Diabetes Concentration prior to participation in this rotation.

The Iowa Diabetes & Endocrinology Center (IDEC) in Des Moines, Iowa is a private specialty group practice that specializes in treating annually over 5,000 adult patients with endocrine disorders, particularly diabetes. The practice includes 7 endocrinologists, 3 "midlevel" practitioners (1 Physician's Assistant, 2 Nurse Practitioners), 4 diabetes educators (2 nurse CDEs, and 2 dietician CDEs) in addition to nursing and office staff. The office is recognized by the state and by the ADA as a certified provider of diabetes management and education. A clinical

research center, IDERC (Iowa Diabetes & Endocrinology Research Center) has been incorporated into the practice and conducts both sponsored and investigator-initiated clinical trials. The faculty preceptor for this rotation is June Felice Johnson, BS, Pharm.D., FASHP, BC-ADM (Board Certified Advanced Diabetes Manager). She participates in clinical research and provides clinical and educational services to staff and patients on a part-time basis.

This site provides diabetes and other endocrinology services to all patients referred by their primary physician or through self-referral. This includes patients insured through 3rd party/private insurance, Medicare or Medicaid.

**Iowa Lutheran Penn Avenue-Internal Medicine
Des Moines, IA**

Jenna Steffensmeier

Acute Care

Penn Avenue Internal Medicine Inpatient Service serves adult patients with a variety of chronic medical conditions. The most common disease states treated include: diabetes, chronic anticoagulation, asthma, COPD, pain management, GI disorders, gout, and anemia. The patients are followed by physicians as inpatients at Iowa Lutheran, and Iowa Methodist hospitals. The majority of patients are Medicare eligible. Medication management can be a barrier to treatment for some patients due to limited income. The physicians are eager to provide mentorship and serve as preceptors for medical students, physician assistant students, and pharmacy students. Rotation student activities include conducting patient interviews, medication counseling, physician and staff education, discharge counseling at Iowa Lutheran, lab monitoring for medications, drug information requests, and disease state education.

**Iowa Methodist Medical Center Critical Care
Des Moines, IA**

Geoff Wall

**Critical Care
Specialty Care**

OR

**Iowa Methodist Medical Center Internal Medicine
Des Moines, IA**

Geoff Wall

**Internal Medicine
Acute Care**

Pharmacy students will interact directly with patients, physicians, and other health care professionals in an acute care setting. Students participate in medical rounds and will observe aspects of medical decision making, the physical exam and elements of physical assessment, building of the physician-patient relationship, and communication techniques.

Participatory activities will include:

- 1) Documentation of medication histories
- 2) Risk assessment for miscompliance and adverse drug reactions
- 3) Identification of drug-related problems
- 4) Development of a therapeutic plan and prevention strategies
- 5) Provision of verbal and written patient counseling and education
- 6) Follow-up with patients to identify & resolve problems early in therapy
- 7) Provision of drug-information on request
- 8) Presentations to staff on request

**Iowa Methodist Medical Center Surgery
Des Moines, IA**

Lori Schirmer

**Surgery
Specialty Care**

Iowa Methodist Medical Center (IMMC) is a 574 bed hospital with a Level I trauma center. I work with the staff surgeons, general surgery resident physicians, nurses, dietitians and other professionals caring for surgical patients. Several surgical subspecialties are present including trauma, colorectal, vascular, cardiothoracic, bariatric, and general surgery. Pharmacy students at this site will have the opportunity to interact with patients and professionals in the areas listed above depending on need/interest and current patient census. Patient acuity level is expected to range from the intensive care unit to stable patients just prior to discharge. Required activities include: Journal Club, Pharmacy Rounds (20 min presentation), topic readings and small group discussions. It is likely that during a typical month there will also be opportunities for pharmacy students to observe procedures if they have an interest, these activities WILL NOT be required.

Diversity exists in this patient population as cultural, socioeconomic, physical disability, and psychiatric illness. Cultural diversity is present in the non-native English speaking patients (only a few). Socioeconomic diversity is present in the homeless and uninsured population. Physical disability is present in those suffering from chronic illnesses and in those patients with newly acquired spinal cord injury or other injury as a result of trauma. Psychiatric illness is present in the chemically dependent patient (a frequent co-morbidity in the trauma patient population).

**Iowa Veterans Home
Marshalltown, IA**

Kristin Meyer

**Geriatrics
Specialty Care**

The Iowa Veterans Home, established in 1887, is a state operated veterans facility. It is located in Marshalltown, 50 miles northeast of Des Moines. The Veterans Home provides long-term health care services for Iowa's aged, chronically ill, handicapped veterans and dependent/surviving spouses. There are approximately 750 residents/patients. To meet the multiple health care needs of the residents/patients, three levels of professional health care are provided: Infirmity Care, Nursing Home Care, and Domicillary Care. There are also specialized units for care of residents suffering from Alzheimer's and other forms of dementia. Services provided include medical, optometry, podiatry, dermatology, respiratory therapy, laboratory/x-ray, pharmacy, dental, nursing, psychology, psychiatry, dietary, rehabilitation, physical and occupational therapy, speech and hearing therapy, recreational therapy, arts and crafts, ceramics, woodworking, gardening/greenhouse, volunteer services, social services, all faiths religious services and the necessary support services. A strong rehabilitation philosophy exists within the provided programming.

Students will work closely with all members of the interdisciplinary team, including medicine, nursing, dietary, social work, mental health, chaplain and recreation. Students are encouraged to develop relationships with their patients. Learning is enhanced by a schedule of observational activities, patient case presentations, topic discussions, rounds with prescribers and a special project chosen by the preceptor and student. The current services provided by the preceptor and students to the Veterans Home include comprehensive pharmacy review and follow-up of new admissions, compliance monitoring for self-medicating residents and a pharmacist-managed anticoagulation service.

One-bedroom cottages on the IVH grounds may be rented at a rate of \$5.50 per day during the rotation. Please contact the preceptor as far in advance as possible to assure availability.

Jordan Creek Internal Medicine

TBD

**Ambulatory Care
Ambulatory Care IM
Specialty Care**

Students will be involved in a number of pharmacy driven services, including diabetes care and education, anticoagulation, smoking cessation, and patient counseling and will participate as an active member of the healthcare team. Students will actively monitor patients and participate in follow up activities. Student will also participate in topic discussions, will prepare presentations and participate in journal club activities.

This site will meet the >50% diabetes requirement for diabetes concentration students. The faculty member appointed to this site will share their time between

**Lakeview Internal Medicine Clinic
West Des Moines, IA**

Carrie Koenigsfeld

**Ambulatory Care
Anticoagulation
Specialty Care**

This rotation allows students to interact directly with patients and health care providers. Students will participate in a variety of pharmacy driven services throughout the course of this rotation, including, but not limited to, coumadin clinic, smoking cessation initial consultations, and diabetes education for new glucometers and insulin devices. Students are also involved in performing phone follow-up with patients who are being actively monitored. Provision of medication review and counseling for new medications will also be a part of the rotation. Students will have the opportunity to interact with pharmaceutical representatives a few times throughout the rotation and

then be asked to provide a counter-detailing report of new information learned to the clinic providers. The student will participate in topic discussions and be asked to prepare and present one formal presentation during the rotation. Journal club will also be a component of this rotation.

This site will meet the > 50% diabetes requirement for concentration students.

**Medicap Pharmacy #8011
Des Moines, IA**

Megan Friedrich

Ambulatory Care

This site features a variety of ambulatory care services in a small, independent chain pharmacy. Students work directly with patients to provide counseling, health screenings, immunizations and MTM services. Students also implement projects to improve patient care and serve the community. There may be opportunities to teach students at Drake in the PSA series.

**Mercy Hospital Medical Center – Internal Medicine
Des Moines, IA**

Erik Maki

**Acute Care
Internal Medicine**

This Adult Medicine Clinical Clerkship allows Doctor of Pharmacy candidates to participate in pharmaceutical care activities in an acute care patient setting. Interactions with physicians (Internal Medicine), residents (Family Practice), medical students (DMU), pharmacists, and other health care professionals will allow candidates to develop skills necessary to enter the profession of pharmacy in any area. Candidates are expected to participate as an active member of the Hospital Medicine service at Mercy Medical Center. Activities include reviewing patient profiles for actual and potential drug therapy problems, participating in daily patient rounds, making pharmaceutical recommendations, reviewing drug therapy decisions, serving as a drug information resource, and educating health care members about pharmacy issues.

**Penn Avenue Internal Medicine Clinic
Des Moines, IA**

Ginelle Schmidt

Ambulatory Care

Penn Avenue Internal Medicine Clinic (Ambulatory Care Site) serves adult patients with a variety of chronic medical conditions. The most common disease states treated include: diabetes, chronic anticoagulation, asthma/COPD, pain management, hypertension, hyperlipidemia, gout, and osteoporosis. The patients are followed by physicians as outpatients at the clinic and as inpatients at Iowa Lutheran, Iowa Methodist, and Mercy hospitals. The majority of patients are Medicare eligible. Medication management can be a barrier to treatment for some patients due to limited income. The clinic provides assistance through medication samples and indigent care programs. The physicians are eager to provide mentorship and serve as preceptors for medical students, physician assistant students, and pharmacy students. Rotation student activities include conducting patient interviews, medication counseling, physician and staff education, assisting with the pharmacist-managed anticoagulation and diabetes services, drug information requests, and disease state education.

**Primary Health Care Pharmacy
Des Moines, IA**

Sally Haack

**Ambulatory Care
Specialty Care**

The Community Access Pharmacy is a "closed" pharmacy available to serve individuals seen by participating safety net providers throughout Polk County. These clinics specifically serve the uninsured and under-insured in Polk County. The pharmacy is made possible through a federal grant obtained by the Health Access Partnership and currently serves qualifying individuals from La Clinica de Esperanza, Proteus, and Primary Health Care Inc. Patients must FIRST qualify for care at an affiliated clinic prior to having access to the pharmacy. The pharmacy is open Monday through Friday from 9AM to 5PM.

Students will interact with a diverse group of patients and participate in care through, patient counseling, patient assistance programs, smoking cessation counseling, and disease state management. Students will gain knowledge and expertise in community health centers and 340B pricing programs. They will also learn how to effectively use an interpreter, as approximately 40% of patients speak Spanish.

**Progress Industries
Johnston, IA and Newton, IA**

Anisa Fornoff

**Disabilities
Psychiatric
Specialty Care**

This rotation is in collaboration with Progress Industries, an institution which provides rehabilitation services to the mentally and physically disabled. Students will act as part of a team comprised of a variety of specialist in rehabilitation services. During the rotation, the student will have the opportunity to review the case history, meet and discuss individual cases with the team, visit the client in their residence, interview and obtain a medication history, perform an assessment of drug-related problems, develop a pharmaceutical care plan, review this plan with a pharmacist, work toward implementing the plan through conferences with the team, client and possible communication with a primary care provider. The student will also act as a drug information resource to the team which carries a case load of 100 patients. The student will perform educational sessions to clients or staff. Students will have an opportunity to visit and observe various living environments utilized by the disabled. A vehicle is required for these rotations.

**VA Central Iowa Health Care
System- DM Div.CC/Surg**

Darla Eastman

**Surgery
Critical Care
Specialty Care**

This rotation is designed to immerse the student into the role of clinical pharmacist for patients in the intensive care unit (ICU) and those receiving surgery. The student will go on daily rounds with the general surgery and ICU medical teams. The pharmacy student will follow all patients to monitor the appropriateness of drug therapy. The student will serve as a drug information resource to other healthcare providers. Students will work closely with the pharmacy team to assure that all patient drug therapy is assessed on admission and documented in the medical record. Students will have close contact with patients and other healthcare providers.

**Walgreen Pharmacy Patient Care Center
Des Moines, IA**

Chasity Mease

**Acute Care
General Medicine**

The Walgreens Patient Care Center and Immunization Center of Excellence offers the student a setting to provide care in the community pharmacy setting. The rotation provides a nice mix of community pharmacy, ambulatory care and academia (during fall and spring semesters). This site consists of two offices which are adjacent to the pharmacy that are used for patient education, in depth consultations, patient assessment and student/preceptor work-spaces. The student will have an opportunity to be involved with screening and education services in areas such as diabetes, cholesterol, osteoporosis, immunizations, and more. The student will be trained how to use testing equipment available such as A1C, glucose, cholesterol, blood pressure, and bone density. Potential rotation activities will include OTC consultations, counseling, topic discussion, journal article and case presentations, screening days, MTM (Outcomes, Mirixa and Iowa Medicaid PCM), medication histories and more. The student will also gain knowledge and experience in the business aspects of the Patient Care Center, such as developing, implementing and maintaining clinical pharmacy services in the community pharmacy setting. Immunizations certification is preferred for students who plan to be at the Patient Care Center, especially from October to December. In general, the rotation hours will be 8 AM to 5 PM M-F with 30 minutes for lunch. These hours may vary somewhat depending on the appointments and screening schedule (especially during influenza season). Rarely, screening events or vaccination clinics will be scheduled on weekend days. The student may attend weekend activities when scheduled and would be given another day off during the week in return for attending, but attendance would not be required on weekends. Project time off-site will be given.

**VA Central Iowa Health Care
System-DM Internal Medicine
Des Moines, IA**

Michelle Bottenberg

**Acute Care
General Medicine
Internal Medicine**

While on this 5-week rotation, the pharmacy student will interact directly with patients, physicians, and other health care providers in an inpatient internal medicine setting. Each student will be assigned to an internal medicine teaching team and follow their assigned patients on a daily basis. Responsibilities include:

- 1) Conducting admission medication histories
- 2) Monitoring patients for drug therapy problems (DTPs)
- 3) Resolving any DTPs identified
- 4) Discharge counseling patients prior to going home

In addition, the student will serve as a drug information resource to their medical team. Along with the daily rounding & monitoring of patients, the student will also have the opportunity to give a formal power point presentation, to participate in journal club, and to orally present patient cases.

Skills needed for success on this rotation are:

- 1) Excellent interpersonal communication skills, both written and verbal
- 2) Self motivation to learn and function independently
- 3) A strong clinical background in Therapeutics, PDA and Pathophysiology
- 4) Good level of self-confidence and assertiveness
- 5) Ability to effectively manage time wisely