GRU-UGA PGY2 Oncology Pharmacy Residency Program Activity
Three Year Report
2011- June 2014

ACCREDITATION STATUS

Program received six year accreditation term by ASHP COC in March 2013.

GRADUATES

2011-2012
Katerina Katsanevas, Pharm.D. BCOP
Oncology Clinical Specialist
VA Medical Center, Salt Lake City, UT
PGY1: GRU-UGA

2012-2013
Stephen Clark, Pharm.D.
Inpatient BMT/Oncology Clinical Specialist
GRU Medical Center, Augusta, GA
PGY1: Sarasota Memorial Hospital

2012-2013
Ali Steinbach, Pharm.D.
Outpatient Oncology Clinical Specialist
West Penn Allegheny Hospital, Pittsburgh, PA
PGY1: Penn State Hershey Medical Center

2013-2014
Megan Hartranft, Pharm.D.
Clinical Assistant Professor
Rosalind Franklin College of Pharmacy
Rush Medical Center, Chicago, IL
PGY1: University of Michigan

CLINICAL SERVICE

Program Preceptors with associated service coverage

Samm Anderegg, Pharm.D. MS BCPS- Pharmacy Manager, Oncology Service Line

Stephen Clark- Pharm.D. – Inpatient Bone Marrow Transplant, Leukemias, Inpatient Oncology, Gynecological Oncology, Surgical Oncology

Amber Clemmons, Pharm.D. BCOP – Inpatient Bone Marrow Transplant
David DeRemer, Pharm.D. BCOP – Outpatient Bone Marrow Transplant/Hematologic Malignancies, Cancer IRB


Evalan Eve- Pharm.D. MS- Outpatient Oncology

Arpita Shah Ghandi, Pharm.D. - Inpatient Bone Marrow Transplant, Leukemias, Inpatient Oncology, Gynecological Oncology, Surgical Oncology

Morgan Kelly, Pharm.D. - Investigational Drug Service, Outpatient Oncology

Deidrea Parker, R.Ph- Pediatric Hematology/Oncology

Marjorie Phillips, MS, RPh, FASHP – Investigational Drug Service, Institutional Review Board

**Workforce (current)**

**Pharmacists (9 FTEs)**

- 5 FTEs - Clinical Pharmacist
- 2 FTEs – Faculty
- 1 FTE – Investigational
- 1 FTE – PGY2 Oncology Resident

**Pharmacy Technicians (7 FTEs)**

- 5 FTE – Senior Pharmacy Technician
- 1 FTE – Reimbursement/Patient Assistance Specialist
- 1 FTE – Specialty Pharmacy Technician

**Clinical Coverage**

Inpatient – Bone Marrow Transplant, Leukemia, Oncology, Gynecology Oncology, Surgical Oncology, Pediatric Oncology, in addition to chemotherapy production for all services

Outpatient – Bone Marrow Transplant, in addition to chemotherapy production for all services including hazardous medications dispensed to Rheumatology, Ophthalmology, Urology, Interventional Radiology, Multiple Sclerosis, and Gynecology Clinics and the Operating Room.

**Specialty Pharmacy Services (new 2014)**

The Georgia Regents Specialty Pharmacy services patients who are prescribed specialty pharmaceuticals in the form of oral chemotherapy and injectables. We employ one full time pharmacy technician to
work with patients and families on capturing, processing, dispensing, and monitoring these medications for refills. We provide medication and co-pay assistance services for patients who cannot afford these expensive medications. Currently, pharmacists working in our Employee Pharmacy offer clinical support for these patients.

**Chemotherapy Production**

![Chemotherapy Production Chart](chart.png)

**Cancer Ctr (Manual)**

**Central**
**Investigational Drugs**

<table>
<thead>
<tr>
<th>Current outpatient IV oncology clinical studies</th>
<th>30</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current outpatient standard of care chemo</td>
<td>~10</td>
</tr>
<tr>
<td>Open oncology inpatient studies</td>
<td>~45</td>
</tr>
<tr>
<td>PRMC protocols reviewed</td>
<td></td>
</tr>
<tr>
<td>Calendar year 2013</td>
<td>43</td>
</tr>
<tr>
<td>Year to date 204</td>
<td>21</td>
</tr>
</tbody>
</table>

**GRANT FUNDING**

Clemmons-

Clemmons/Clark-

1. Evaluation of cabazitaxel and dasatinib on the reciprocity between prostate cancer and the endothelium in the prevention of micrometastasis. Submitted 9/12 for University of Georgia Translational Research Initiative Grant. Project period 10/12-07/13. (PI, 5% effort). Total award $10,000.

2. Is GSK-3 the gridlock in Akt-targeted prostate cancer therapy? University of Georgia Translational Research Initiative Grant. Project period 10/11-07/12. (Sub-Investigator, 5% effort). Total award $7500.

HONOR/AWARDS

Amber Clemmons - 2014 ASBMT Pharmacy SIG “New Practitioner of the Year” Recipient

Amber Clemmons - 2011 Young Investigator of the Year finalists at the annual regional Southern Translational Education and Research (STaR) Conference.

David DeRemer - 2014 ACCP Hematology/Oncology PRN FIT Program Scholarship Recipient

David DeRemer - 2012 Georgia Society of Health-System Pharmacists (GHSP) Practitioner of the Year

Marjorie Phillips – 2011 University of Georgia College of Pharmacy Distinguished Service Award

SCHOLARSHIP (**underlined author represents a trainee-PGY1, PGY2 or APPE student)

Abstract/Posters

1. Evans SS, Clemmons A, Gomez T, Anderegg SV, DeRemer DL. Acute Myeloid Leukemia (AML) and the Impact of Cytogenetics and Molecular Abnormalities on Outcomes and Reimbursement Rates.” Presented at the SERC April 2014.


Books


Peer-reviewed publications

1. Gandi A. Obinutuzumab: A novel anti-CD20 monoclonal antibody for previously untreated CLL. (Accepted to Annals of Pharmacotherapy June 2014)

2. Clemmons AB, Evans S, DeRemer DL, Awan F. Busulfan dosing (Q6 or Q24) with adjusted or actual body weight, does it matter? (Accepted to J Oncol Pharm Pract June 2014)


5. Anderegg SV, Christenson JC, Padgett CP. “An Accelerated, Practice-Based Model for Fostering Precepting Skills in Pharmacy Residents.” (Accepted to Hosp Pharm.)


Presentations

National


3. Antiemesis in HSCT. Presented at the ASBMT Fundamentals of Hematopoietic Stem Cell Transplantation (HSCT) Training Course. Grapevine, TX. (Clemmons)


5. Antiemesis in HSCT. Presented at the ASBMT Fundamentals of Hematopoietic Stem Cell Transplantation (HSCT) Training Course. Salt Lake City, UT Feb 2013 (Clemmons)


7. New Drug Update. BMT Tandem Meeting. Salt Lake City, UT Feb 2013 (Clemmons)


10. Trending now #ExcellenceInPrecepting – effective ways to incorporate social media into clinical practice. Presenters- DeRemer, Clark S and Hartranft M. Presented at the ASHP National Pharmacy Preceptors Conference; Washington DC. August 22, 2013. (DeRemer and Clark)


Regional

1. Integrating Social Media into Clinical Practice. South Carolina Health System Pharmacists (SHSP) Fall Annual Meeting. ACPE accredited continuing education program. Columbia, SC. October 2013. (Hartranft)
2. Integrating Social Media into Clinical Practice. Georgia Health System Pharmacists (GHSP) Fall Annual Meeting. ACPE accredited continuing education program. Brasstown, GA. October 2013. (Hartranft)
4. Chemotherapy-Induced Nausea and Vomiting: Behind the Updated Guidelines. Agents Georgia Health System Pharmacists (GHSP) Fall Annual Meeting. ACPE accredited continuing education program. Young Harris, GA October 2012. (Clemmons)

State

2. Institutional Review Board (IRB) and HIPAA Primer for Pharmacy Residents. Georgia Society of Health-system Pharmacists (GSHP) Residency Research Day, Atlanta, August 9, 2013 (Phillips)
4. Palliative Care: Means to a Better End. GHSU/UGA Pharmacy Grand Rounds, Augusta, GA. Transmitted video to Savannah, Athens, and Albany, GA Feb 2012 (Clemmons)
5. Technology and chemotherapy: Safety first, second, and last. GHSU/UGA Pharmacy Grand Rounds, Augusta, GA. Transmitted video to Savannah, Athens, and Albany, GA. October 2012 (Clark)


7. Tips for Working with Your IRB. University of Georgia College of Pharmacy Faculty Development Seminar, Augusta and (via distance learning) Athens/Albany, Georgia, January 4, 2012 (Phillips)

8. Making it less MUDdy: Understanding Matched Unrelated Donor Bone Marrow Transplants. ACPE accredited continuing education program. GHSU/UGA Pharmacy Grand Rounds, Augusta, GA. Transmitted video to Savannah, Athens, and Albany, GA. April 2011 (DeRemer)


10. Stop and Go Signs of Educational Research (Practice-based Research by Nursing Students and Faculty). Academy of Nurse Scholars in Education (ANSE) Faculty Development Workshop, Georgia Health Sciences University, College of Nursing, Augusta, GA, March 11, 2011. (Phillips)

11. Pharmacy Practice Model Change and Our Future—The PPMI. MCG Health—University of Georgia College of Pharmacy Grand Rounds (1 hour ACPE), Augusta, GA, March 23, 2011. (Phillips)

Textbook chapters


TEACHING

University of Georgia College of Pharmacy

Resident Graduate courses

PHRM 7210 Special Topics in Pharmacy Practice
PHRM 7810 Pharmacy Care
PHRM 7910 Adv Pharmacy Care
PHRM 7830 Residency Research
PHRM 7840 Teaching Pharmacy Practice
PHRM 7940 Teaching Pharmacy Practice II

**Didactic courses**

PHRM 5870 Pharmacotherapy II - 6 contact hours annually in Spring semester
PHRM 5870 Pharmacotherapy II – small group project mentors/facilitators
PHRM 5950 Drug Information – 4 contact hours
PHRM 4190 Cancer and Chemotherapy – 14 contact hours annually in Fall semester
PHRM 5140 Skills Lab V – 24 contact hours annually in Fall semester
PHRM 4700 Stats/Drug Information – 2 contact hours annually

**Experiential learning**

Advanced Pharmacy Practice Experiences (APPEs)
PHRM 5901-5908 sequence - ~30 students per year
Rotations: Administration, Investigational drug services, Inpatient BMT, Outpatient BMT, Inpatient oncology, Outpatient oncology, Pediatric oncology

Introductory Pharmacy Practice Experiences (IPPEs)
~24 students per year

**GRU College of Allied Health – Physician’s Assistant Program**

Oncology module block – 2 contact hours annually
Chemotherapy 101
Chemotherapy Induced Nausea and Vomiting

**GRU College of Nursing**

NSG 7430 – Pharmacology for the Advanced Practice Nurses
Pain Management (3 contact hours annually)
Adjuvant Treatments in Cancer (3 contact hours annually)
**program ended in 2012**