

# Griffin R. Calme

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## Education

**Doctor of Pharmacy Candidate** – Research Scholars Conc.

Class of 2020

*Wayne State University – Detroit, MI*

Eugene Applebaum College of Pharmacy and Health Sciences

**Bachelor of Health Science**

August 2017

*Wayne State University – Detroit, MI*

Pharmacy and Health Sciences & Irvin D. Reid Honors College

## Professional Experience

**Pharmacy Intern (Inpatient)**

May 2017 – Present

*Beaumont Health – Royal Oak, MI*

3601 W 13 Mile Rd, Royal Oak, MI 48073

Supervisor–Anthony Ibrahim, PharmD

Performed sterile and non-sterile compounding, unit-dose preparation, medication reconciliation, and medication distribution. Participated in a pharmacy resident research project.

## Advanced Experiential Education

**Longitudinal Advanced Pharmacy Practice Experience**

2019 – 2020

*William Beaumont Hospital – Royal Oak*

3601 W 13 Mile Rd, Royal Oak, MI 48073

Program Coordinator – Maureen Smythe, PharmD, FCCP

Longitudinal components performed: Anticoagulant Teaching Service (ATS), Pharmacy Dosing Service, Rotating Chief LAPP, MUE project (*Guideline Adherence for the Treatment of Skin and Soft Tissue Infections at Beaumont Hospitals*), Medication Reconciliation days, and Operational days.

**Hospital/Health-System Pharmacy**

5/13/19 – 6/21/19

Preceptor – Maureen Smythe, PharmD, FCCP

Experiences performed: OR Pharmacy, Pediatric Pharmacy, Emergency Center Pharmacy, Unit-Based Services (UBS), Pharmacy Dosing Services, formulary drug review, and Antimicrobial Stewardship involving restricted drug audits and review of daily blood culture report.

### **Emergency Medicine**

Preceptor – Sheena Merwine, PharmD, BCPS

6/24/19 – 8/2/19

Experiences performed: Emergency code response, ACLS/CPR training for pharmacists, clinical experiences in the Trauma/Cat. 1 area, sterile compounding, pharmacy operations, and medication reconciliation. Led topic discussions on *Rapid-Sequence Intubation* and *Emergency Pharmacist's Role in Trauma*.

### **Internal Medicine/Ambulatory Care**

Preceptors – Claudia Hanni, PharmD, BCPS; Valentina Schoneck, NP

8/5/19 – 9/13/19

Experiences performed: Internal medicine rounds, medication history, discharge medication counseling, ambulatory CHF medication counseling. Led topic discussions on *Tranexamic Acid for GI bleeds*, *Antiemetics*, and *Therapy of COPD* with pharmacy residents and internal medicine residents.

### **Cardiac Intensive Care (CICU)**

Preceptor – Jenna Holzhausen, PharmD, BCPS

9/16/19 – Present

Experiences performed: CICU rounds, pharmacy dosing consults including vancomycin, aminoglycosides, warfarin, and argatroban. Point-of-care drug information, medication reconciliation and patient education. Led topic discussions on *Vasopressors & Inotropes* and *Acute Coronary Syndromes*.

## **Introductory Experiential Education**

### **Hospital Introductory Practice Experience**

*Ascension Providence Rochester*

1101 W University Dr, Rochester, MI 48307

Preceptor – Lindsay Schwalbach, PharmD

Jan. – Apr. 2019

Provided pharmaceutical care in the hospital setting. Assisted with order verification, pharmacy dosing consults, Senti7 interventions, medication packaging, and compounding. Designed patient care plans. Provided patient consultation, drug information, and in-service education.

### **Community Introductory Practice Experience**

*Walgreens – Clinton Twp*

16741 Canal Rd, Clinton Township, MI 48038

Preceptor – Peggy Rozanski, RPh

Sep. – Dec. 2018

Provided pharmaceutical care in the community setting, performed MTMs, immunizations, medication counseling, and filled prescriptions.

### **Early Introductory Pharmacy Practice Experience**

May 2017 – 2018

*Gary Burnstein Community Health Clinic – Pontiac, MI*  
45580 Woodward Ave, Pontiac, MI 48341  
Preceptor – Justin Brox, MD

Practiced patient consultation, administered immunizations, and provided pharmacy services for the uninsured population.

## **Posters**

### **Evaluation of Adherence to Skin and Soft Tissue Treatment Guidelines: A Survey of Current Prescribing Practices**

December 2019

Griffin Calme; Andrew Torey PharmD; Lee Amaya PharmD; Christine Yost PharmD, BCIDP  
*ASHP Midyear*

### **A Measurable Immune Response in the Tumors and Lymph Nodes of Patients with Lymph Node Positive and Lymph Node Negative Breast Cancer**

November 2018

Archana Thakur PhD; Dana Schalk; Tayson Lin; Johnson Ung; Griffin Calme; Lawrence G. Lum MD, PhD; Lydia Choi PhD  
*The Society for Immunotherapy of Cancer 33<sup>rd</sup> Annual Meeting*

### **Recombinant Attenuated Salmonella as an Insulin Gene Delivery Vector**

March 2017

Griffin Calme; Michael Caruso PhD; Qingke Kong PhD; Zhengping Yi PhD; and Xiangmin Zhang PhD  
*Michigan Diabetes Research Center Annual Diabetes Symposium*

## **Papers, Projects, and Proposals**

### **Formulary Review: Cannabidiol (Epidiolex)**

July 2019

*Presented to Beaumont Health P&T Children's Subcommittee*

### **Global Kinome Profiling Reveals Abnormal Active Kinases in Human Skeletal Muscle from Obese Insulin Resistant Participants**

Yue Qi PhD; Berhane Seyoum MD; Zaher Msallaty MD; Abdullah Mallisho MD; Michael Caruso PhD; Divyasri Damacharla MS; Danjun Ma PhD; Wissam Al-janabi PhD; Rebecca Tagett PhD; Majed Alharbi; Griffin Calme, Sorin Draghici PhD, Abdul Abou-Samra MD, Anjaneyulu Kowluru PhD; Xiangmin Zhang PhD; Zhengping Yi PhD  
*Manuscript Under Review*

### **Impact of a Pharmacy-Directed Intervention for the Use of Combination Vancomycin and Beta-Lactams for *Staphylococcus aureus* Bacteremia**

April 2018

Griffin Calme; Wasym Mando; Jessica Dare-Shih  
*Proposal achieved 4<sup>th</sup> place in ACCP Clinical Research Challenge*

**Improving Immunohistochemistry Scoring Techniques for Cancer Biopsies with Computer Vision Algorithms**

Griffin Calme

*Manuscript accepted by the Undergraduate Research Program*

August 2016

## **Presentations**

**Pharmacist's Guide to Caring for Transgender Individuals**

Noon Conference

*William Beaumont Hospital – Royal Oak*

Sept 2019

**Antibiotic Prophylaxis in Trauma**

Noon Conference

*William Beaumont Hospital – Royal Oak*

July 2019

**Four Heart Failure Recommendations Every Pharmacist Should Know**

Noon Conference

*William Beaumont Hospital – Royal Oak*

June 2019

**Evaluating Literature for “Pharmacotherapy Problem Solving” (PPS)**

*Eugene Applebaum College of Pharmacy and Health Sciences*

ACCP-SCCP sponsored review session for P1 class that covered drug literature evaluation techniques

April 2018 &  
February 2019

**P2 Year Success and The Learning Community**

*Eugene Applebaum College of Pharmacy and Health Sciences*

September 2018

**Improving Immunohistochemistry Scoring Techniques for Cancer Biopsies with Computer Vision Algorithms**

*WSU Undergraduate Research Conference*

November 2016

**Art & Architecture at the Detroit Public Library: The Bronze Doors**

*WSU Undergraduate Research Conference*

November 2015

## **Additional Research Experience**

**Burghardt Pharmacogenomics Lab**

*WSU Integrative Biosciences Center & Eugene Applebaum College of Pharmacy and Health Sciences*

Kyle Burghardt, PharmD

2017 – Present

*Research Scholars Student*

Utilized data science techniques, developed and used software to study the relationship of antipsychotics and the metabolome.

**Yi Diabetes Proteomics Lab**

2016 – Present

*WSU Integrative Biosciences Center & Eugene Applebaum College of Pharmacy and Health Sciences*

Zhengping Yi, PhD; Michael Caruso, PhD; Xiangmin Zhang, PhD

Performed cell culture, molecular cloning & recombinant DNA techniques, and proteomics sample preparation. Analyzed proteomics data, developed software for automation of data analysis, carried out participant visits, sample and data collection in the clinic.

**Lum Translational Immunotherapy Lab**

2014 – 2016

*Karmanos Cancer Institute*

Lawrence Lum, MD; Archana Thakur, PhD

Assisted cancer immunotherapy research and clinical trials. Maintained sterile cell cultures, processed blood samples, performed biochemical assays, and general laboratory upkeep.

## Leadership & Teaching

**Pharmacotherapy Problem Solving**

Winter 2019

*Student Facilitator*

Facilitated small group sessions of PPS-I, a problem-based learning (PBL) course for the first-year pharmacy students. The course focuses on independent and group learning of pathophysiology, pharmacology, and pharmacotherapeutics.

**Rho Chi Pharmacy Honor Society**

2019 – Present

*Alpha Chi Chapter***Learning Community - Pharmacy**

2018 – 2019

*Peer Mentor*

Developed curriculum in collaboration with course coordinators for pharmacotherapy course review sessions. Developed assessments to help students self-evaluate their progress. Tutored pharmacy students weekly in small groups. Interviewed incoming Peer Mentor candidates.

**ACCP Student College of Clinical Pharmacy**

2016 – Present

*President 2018-2019*

Our chapter aims to advance interest in clinical pharmacy practice and pharmacy research through guest lectures, events, and competitions.

**American Society for Microbiology, Wayne State Student Chapter**

2013 – 2016

*President 2015-2016*

The organization introduces students to research in microbiology and related fields. The objective of ASM-WSU is to encourage students to pursue research and become engaged with science beyond the classroom.

## Honors & Accomplishments

### **Graduate Program – Wayne State University**

Rho Chi Pharmacy Honor Society	2019
PCOA (P3) - 99 <sup>th</sup> Percentile in USA	2019
PCOA (P2) - 99 <sup>th</sup> Percentile in USA	2018
ACCP Clinical Research Challenge – Top 4 team in USA	2018
Mildred & James Hulme Scholarship	2019
Nazih Jawad Life Rx Endowed Scholarship	2018 – 2019
Pharmacy Alumni and Friends Scholarship	2018
Pharmacy Alumni Association Endowed Scholarship	2017

### **Undergraduate – Wayne State University**

Honors College Scholarship Recipient	2013 – 2017
Dean's List	2013 – 2016
WSU UROP Research Grant	2016
HackWSU Hackathon 2 <sup>nd</sup> place team (EmotionEngine)	2016
HealthPro Start	2013 – 2016

### **High School – Waterford Mott**

WXYZ Channel 7 Brightest and Best (Valedictorian)	2013
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## Entrepreneurship

### **Adjuvant Software Solutions, LLC**

2017 – Present

*Founder/Software Developer*

Specializing in bioinformatics and data science.

Some of my open-source projects can be found on GitHub at  
<https://github.com/griffincalme>

## Active Licensure & Certifications

### **Pharmacist Educational Limited License**

2016 – Present

*MI Dept. of Licensing and Regulatory Affairs*

ID# 5351013449

### **APhA Pharmacy-Based Immunization Delivery**

2017 – Present

*With injection technique assessment*

### **Basic Life Support Provider (BCLS)**

2016 – Present

*American Heart Association*

Ecard# 165505483579