

# Sabina I. Cashin

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## Education

Chicago Medical School (CMS) at Rosalind Franklin University of Medicine & Science (RFUMS)

Doctor of Medicine

Expected Graduation: June 2020

University of Illinois Urbana-Champaign

Bachelor of Science in Liberal Arts and Sciences

Graduated May 2014

Major: Molecular and Cellular Biology, Minor: Chemistry

## Research

Hoffmeister Laboratory

Assistant Research Technologist

Blood Research Institute, BloodCenter of Wisconsin

Milwaukee, WI

July 2017 - Present

- Performed microfluid assays on *Cellix* Venaflux analyzer, platelet function image and video data analysis using ImageJ, blood specimen collection, and sample staining, storage, and preparation
- Assisted in animal dissection, tissue harvesting, cell culture, flow cytometry, and protocol optimization
- Organized and maintained accurate identification of specimens and patient data files
- Collaborated weekly in lab meetings and in small team meetings to present accomplishments, establish goals, and analyze relevant scientific publications

Molecular Muscle Physiology Laboratory

Undergraduate Research Assistant

Beckman Institute, Champaign, IL

August 2012 – May 2014

- Performed all frozen tissue sectioning, slide preparation, and immunohistochemistry stains
- Led slide imaging and analysis of myofiber cross sectional area and capillary count data
- Assisted in animal dissection, tissue harvesting, cell culture, flow cytometry, and protocol optimization
- Trained graduate students in cryostat operation, image analysis software, and experimental methods
- Organized and maintained accurate identification of specimens, slides, and data files
- Conducted cleaning and restocking procedures in Biosafety Level 2 laboratory to maintain quality control
- Collaborated weekly in both large lab meetings and in small team meetings to present accomplishments, establish goals, and analyze relevant scientific publications

## Publications/Poster Presentations

**Cashin S**, Lee-Sundlov M, Hoffmeister KM, Michaelis LM. *In Non-Selected Patients Treated for Influenza, Oseltamivir, a Glycosialidase Inhibitor, Demonstrates Improvement in Platelet Counts Compared to Time of Dosing, but Not over Baseline Levels*

- ASH Annual Meeting and Exposition. December 11, 2017. Atlanta, GA, (Abstract Achievement Award, Poster Presentation)

- Rosalind Franklin University All-School Research Consortium, March 21, 2018, North Chicago, IL, (Poster Presentation)

**Cashin S**, Lee-Sundlov M, Rivadeneyra L, Hoffmeister KM. *Adhesion and Thrombus Formation of Cold-Stored Platelets in Whole Blood using an In-Vitro Transfusion Model*, - Rosalind Franklin University Summer Research Poster Session. October 19, 2017, North Chicago, IL, (First Place Poster Presentation)

- 49<sup>th</sup> Midwest Biomedical Student Research Forum, University of Nebraska Medical Center, Omaha, NE, February 17, 2018, (Third Place Poster Presentation)
- 59<sup>th</sup> Annual National Student Research Forum, University of Texas Medical Branch, Galveston, TX, April 27, 2018, (Poster Presentation)

Huntsman HD, Kolyvas EA, Zachwieja N, Khazoum E, Ryan K, **Cashin S**, Boppart MD. *Simultaneous Reversal of Age-Related Declines in Muscle Health and Function with Transplantation of Preconditioned Mesenchymal Stem Cells*

- Annual Stem Cell and Regenerative Medicine Program. September 20, 2013. University of Illinois Chicago, (Second Place Abstract).

### **Healthcare Related Experience**

St. Catherine's Hospital, United Hospital System

Phlebotomist, Laboratory Processing

Pleasant Prairie, WI

December 2014 – July 2016

- Performed venipunctures and arterial punctures for both inpatients and outpatients including all blood bank identification and newborn testing
- Instructed outpatients on proper collection of non-blood specimens
- Received laboratory specimens using SoftLab and Sunrise electronic medical record systems, correctly labeled, centrifuged, and delivered specimens to appropriate processing departments, and tracked specimens sent to collaborating laboratories
- Responded to all medical emergency codes and supplied appropriate blood bank products when necessary
- Prioritized STAT orders while completing clerical laboratory duties such as activating and adding on test orders, answering phone inquiries, restocking supplies, and fulfilling continuing education requirements

Zion Benton Township High School

Lifeguard Instructor, Swim Lessons Manager

Zion, IL

January 2008 - May 2016

- Trained employees in First Aid, Cardiopulmonary Resuscitation (CPR), Automated External Defibrillator (AED), and professional rescuer primary certifications, weekly at inservice, and daily before shifts to maintain test-ready skills
- Executed daily opening and closing procedures, including equipment and facility inspections, setting lifeguard rotation schedules, testing the water to maintain swimming pool chemicals by health department standards, and preparing cash deposit reports
- Corresponded with patrons, local law enforcement, and emergency medical technicians when filing reports during rescue incidents, when coordinating day camps and swimming lessons, and to enforce rules

## **Leadership**

Chicago Medical School Clinical Exposure Committee  
Chicago Medical School Office of Alumni Relations  
North Chicago, IL

December 2016 – January 2018

- Served as liaison between medical students and physician alumni to organize clinical shadowing experiences through the Office of Alumni Relations
- Communicated directly with Office of Alumni Relations administration to assist in organization of physician and student recruitment, scheduling of shadowing experiences, and conduction of student orientation
- Assist students in exploring different specialties to better ascertain what type of medicine they would like to practice in the future

Prescription for Excellence Leadership Series  
Rosalind Franklin University of Medicine & Science  
North Chicago, IL

January 2018 – May 2018

- Participated in weekly interprofessional leadership exercises based on the experience of Chicago Medical School alumni Dr. David Feinberg's leadership at the UCLA Health System while reading the accompanying book, Prescription for Excellence

## **Community Service**

Interprofessional Community Clinic  
Phlebotomist, Laboratory Technician  
North Chicago, IL

August 2016 – January 2018

- Volunteer 12 hours per month at free clinic for local underserved population operating under the Rosalind Franklin University Health System
- Order, collect, and appropriately process all laboratory specimens and document results on all point of care blood and urine testing using AthenaNet electronic medical record system
- Instruct patients on proper collection of non-blood specimens, sometimes with the assistance of an interpreter
- Conduct routine quality assurance testing on all point of care analyzers and complete clerical laboratory duties such as tracking specimens to be sent to collaborating laboratories and restocking supplies

Bank of America Chicago Marathon Medical Student Volunteer  
October 2017, October 2018

- Provided support to physicians and other medical professionals of Medical Volunteer team in setting up course medical tents, stocking and providing athlete with supplies on race course, triaging athlete conditions, and communicating with athlete transport services

## **Teaching**

Anatomy Tutor  
Rosalind Franklin University  
North Chicago, IL

May 2017 – September 2017

- Organized small group interprofessional weekly in-person and online video tutoring sessions

- Complied weekly notes and resources from my personal experiences in classroom for tutees to guide studying

## **Honors & Awards**

Dean's List: Fall 2012, Spring 2013, Fall 2013, Spring 2014

American Society of Hematology (ASH) Abstract Achievement Award  
December 2016

- **Cashin S**, Lee-Sundlov M, Hoffmeister KM, Michaelis LM. *In Non-Selected Patients Treated for Influenza, Oseltamivir, a Glycosialidase Inhibitor, Demonstrates Improvement in Platelet Counts Compared to Time of Dosing, but Not over Baseline Levels* merit-based award to support select trainees with high-achieving annual meeting abstracts who are chosen to present their work at the ASH annual meeting

## **Unique Characteristics**

Triathlon

- Transamerica Chicago Triathlon 2017– Top 20, Female 20-29 Division, 4<sup>th</sup> place cyclist
- Pleasant Prairie Triathalon 2016 – First Place, Female 20-24 Division