

Alyssa Barré

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EDUCATION

University of South Carolina School of Medicine Greenville July 2018 -Present
Doctor of Medicine Candidate
Expected Graduation: May 2022

Clemson University August 2014 – December 2017
Bachelor of Science in Health Science, Concentration in Preprofessional Health Studies,
Minor in Biological Sciences. GPA: 3.78

HONORS & AWARDS

President's List - Clemson University

- Maintained a 4.0 GPA for the semester
- Awarded Fall 2017, Spring 2017, Spring 2016, Fall 2016, Spring 2015

Blue Key Honor Society – Clemson University

RESEARCH EXPERIENCE

USCSOMG March 2019 - Present

- cfDNA in Blastocoel Fluid and Implantation Potential of Embryos
 - Bench research focusing on improving implantation potentials of embryos in IVF
 - Advisors: Drs. Renée Chosed and William Roudebush - USCSOMG

Steadman Hawkins Clinic of the Carolinas April - June 2019

- Retrospective Analysis of Arthroscopic and Arthroplastic Shoulder Surgeries
 - Collected data from patient charts to build a database for shoulder surgery studies
 - Advisor: Stephen Pill, M.D. – Steadman Hawkins

PRESENTATIONS

American Society for Reproductive Medicine– Philadelphia, PA 2019 (upcoming)

- **Poster presentation** on “Pro-apoptotic Gene Expression in Blastocoel Fluid from Euploid Day-5 Embryos is associated with Negative Pregnancy Outcomes”
- **Poster presentation** on “Blastocoel Fluid from an Embryo Associated with a Negative Pregnancy Outcome Shows Expression of Genes of the Ubiquitin Proteasome and WNT Signaling Pathways Compared to an Embryo Associated with a Positive Pregnancy Outcome”

Foundation for Reproductive Medicine – New York, NY 2019 (upcoming)

- **Poster presentation** on “RNA-SEQ Analysis of Blastocoel Fluid Reveals a Unique Gene Expression Signature Profile in Euploid Embryos that Successfully Implant”

USCSOMG Student Research Symposium – Greenville, SC 2019

- **Oral presentation** on cfDNA in Blastocoel Fluid and Implantation Potential of Embryos

PUBLICATIONS

[Abstracts-in press]

1. Athavale D, Barre A, Kranyak A, Lal A, Blalock J, Zimmerman S, Chang TA, Robinson RD, Winger JD, Roudebush WE, Chosed RJ. Pro-apoptotic gene expression in blastocoel fluid from euploid day-5 embryos is associated with negative pregnancy outcomes. Proceedings of the American Society for Reproductive Medicine Scientific Congress & Expo, Philadelphia, PA, 2019; P-392.
2. Kranyak A, Barre A, Athavale D, Lal A, Blalock J, Zimmerman S, Chang TA, Robinson RD, Winger JD, Roudebush WE, Chosed RJ. Are there any similarities in gene expression between euploid and aneuploid embryos compatible with life? Proceedings of the American Society for Reproductive Medicine Scientific Congress & Expo, Philadelphia, PA, 2019; P-387 (*Tuesday*).
3. Barre A, Kranyak A, Athavale D, Tyler L, Lal A, Zimmerman S, Chang TA, Robinson RD, Winger JD, Roudebush WE, Chosed RJ. RNA sequence analysis of blastocoel fluid reveals a unique gene expression profile in euploid embryos that successfully implant. Proceedings of the Annual Conference of the Foundation for Reproductive Medicine, New York, NY, 2019; P616.

COMMUNITY SERVICE

Greenville Free Medical Clinic February 2019 - Present

- Responsibilities include triaging patients, obtaining vital signs and histories, and filing charts; weekly volunteer

FoodShare Greenville March 2019 - Present

- Responsibilities include packing boxes of fresh produce and distributing boxes around the Greenville community; biweekly volunteer

Habitat for Humanity August 2019 - Present

- Assist in the building and finishing of Habitat homes in Greenville; monthly volunteer

Medical Mission Trip in Partnership with Bolivian Locals May 17-29, 2019

- Worked in conjunction with Bolivian physicians and church leaders to provide medical care and share the Gospel with communities along the Amazon River that can only be accessed by boat

LEADERSHIP

Medical School Peer Tutor August 2019 - Present

- Weekly 1-on-1 tutoring for a first year medical student to help her to master her coursework and learn effective study habits

Gown and Glove Gala July 2019 - Present

- Member of Event Planning Committee, Sponsorship Committee, and Silent Auction Committee
- Help to coordinate logistics of the event, find sponsors, and obtain donations for the silent auction in order to raise money for our beneficiaries, the Greenville Free Medical Clinic and the USCSOMG Scholarship Fund

Supporting Women in Medicine Interest Group

Co-President

February 2019 - Present

- Plan Lunch & Learn events with guest speakers to share their experiences as females in medicine
- Host community service projects, such as a Mothers Day card making event for the mothers at the Julie Valentine Center

Physical Medicine and Rehabilitation Interest Group

March 2019 - Present

Secretary and Treasurer

- Host speakers and workshops to help students get exposure to PMR

Clemson University Leadership

- Vice President of Academics for Order of Omega Greek Honors Society
- Senior Advisor and Public Relations Director for AED Pre-health Honors Society
- Vice President, Director of Philanthropy, and Head of Matching for Zeta Tau Alpha

WORK EXPERIENCE

Seneca High School – Seneca, SC

- Long Term Substitute Teacher January-March 2018
 - Taught Biology I to a high-risk class our freshmen students, managed lesson plans, graded assignments

GHS Pathology Intern

August – December 2017

- 200 hour internship; Assisted during autopsies in the morgue with responsibilities that included preparing bodies for autopsy, taking X-rays, assisting in the dissections, and cleaning between and after cases.

Community of Practice Leader for Supplemental Instruction

- Clemson University December 2016 – December 2017
 - Promotion from Supplemental Instructor; Held meetings and handled administrative tasks regarding supplemental instructors and their sessions; acted as a facilitator between SIs and Graduate Assistants

Supplemental Instructor for Bridge to Clemson

January 2016 – August 2017

- Clemson University
 - Held 2 weekly sessions with an average of 20 students in Introductory Biology where I helped students to comprehend their coursework and solidify study skills; attended biology courses and answered questions in class

PERSONAL INTERESTS

Scuba Diving

- SSI Advanced Open Water Diver

Drawing

- Drawings featured at USCSOMG Anatomy Donor Ceremony and at the USCSOMG Art Show