



# Wake Forest University School of Medicine

Dept. of Biomedical Engineering & Center for Artificial Intelligence Research

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Group: Biomedical Engineering (BME)

## 2025 Summer Research Internship Program May 27<sup>th</sup>, 2025 – August 1<sup>st</sup>, 2025

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### Tuesday, May 27<sup>th</sup>

9:00 am – 5:00 pm

#### **Move-in to Deacon Place**

2410 Whicker Acres Lane, Winston-Salem, NC 27106

### Wednesday, May 28<sup>th</sup>

8:30 am

#### **Shuttles to pick up students at Deacon Place**

8:45 am

#### **Arrive at Wake Forest School of Medicine campus in Downtown Winston-Salem**

9:00 am – 10:30 am

#### **Welcome Orientation!**

led by Summer Internship Program Co-Directors:

Drs. Ashley Weaver, Ryan McGinnis, Arezoo Movaghar & Metin Gurcan.

*Biotech Place (BTP) - Auditorium, 1<sup>st</sup> floor*

11:00 am – 12:00 pm

#### **Campus Tour**

Led by SBES Graduate Student Ambassadors

*Meeting Location: Biotech Place (BTP) – Atrium, 1<sup>st</sup> Floor*

12:00 pm – 1:00 pm

#### **Welcome Lunch – Meet your Mentors!**

*Biotech Place (BTP) – Atrium, 1<sup>st</sup> Floor*

*\*BME & KEEN Interns will spend the rest of the day in their respective mentor's research labs and/or office*

### Thursday, May 29<sup>th</sup>

8:00 am

#### **Shuttle to pick up at Deacon Place & drop-off at Wake Downtown**

8:30 am – 12:00 pm

#### **Center for Experiential and Applied Learning Demos**

*Bowman Gray Center for Medical Education (BGCME), 4<sup>th</sup> Floor*

1:00 pm – 2:00 pm

#### **eREU KEEN Workshop: Concept Mapping**

Led by Dr. Ashley Weaver

*Biotech Place (BTP) - Auditorium, 1<sup>st</sup> floor*

*\*KEEN & BME interns only*

2:00 pm – 3:00 pm

#### **BME & KEEN Pre-Survey Session**

*Biotech Place (BTP) - Auditorium, 1<sup>st</sup> floor*

### Friday, May 30<sup>th</sup>

8:45 am

#### **Shuttle pick-up at Deacon Place for transportation to WFU Baseball Facility**

*\*Students with vehicles may drive to the facility for the tour. Arrive no later than 9:00 am\**

9:00 am – 10:30 am

#### **Tour of Motion Capture Lab: Experimental Biomechanics with Dr. Kristen Nicholson**

*401 Deacon Blvd, David F. Couch Ballpark*

10:30 am

#### **Shuttle pick-up for transportation to Wake Downtown**

## Group: Biomedical Engineering (BME)

11:00 am – 12:00 pm

### **BME Tour of Experimental Biomechanics Labs**

Led by Dr. Philip Brown, Dr. Jill Urban, & graduate students

*Meet at the Atrium in Biotech Place (BTP), 1<sup>st</sup> floor*

*Tour: Biotech Place 5<sup>th</sup> floor, Suite 530 & 1<sup>st</sup> floor, Suite 120*

### **Monday, June 2<sup>nd</sup>**

9:00 am – 10:00 am

### **BME Bootcamp #1: An Intro to Imaging**

Led by Drs. Megan Lipford & Jared Weis

*Biotech Place (BTP) – Room 155A&B*

*\*BME interns only, optional for KEEN interns*

1:00 pm – 2:00 pm

### **eREU KEEN Workshop: Curiosity in Research**

Led by Dr. Ryan McGinnis

*Biotech Place (BTP), 1<sup>st</sup> Floor, Room 155A&B*

*\*KEEN & BME interns only*

### **Tuesday, June 3<sup>rd</sup>**

9:00 am – 10:00 am

### **BME Bootcamp #2: An Intro to Finite Element Modeling**

Led by Dr. Karan Devane

*Biotech Place (BTP) – Room 155A&B*

*\*BME interns only, optional for KEEN interns*

### **Wednesday, June 4<sup>th</sup>**

3:30 pm – 4:30 pm

### **Seminar #1: Making the Most of Your Internship – A Workshop on Time Management, Networking, Relationship Building, and Leadership**

Led by Center for Personal and Professional Development Coaches

*Biotech Place (BTP) – Auditorium, 1st Floor*

*\*All interns required to attend!*

### **Thursday, June 5<sup>th</sup>**

9:00 am – 10:00 am

### **Seminar #2: Part 1 – Responsible Conduct of Research (RCR)**

Led by Dr. Ellen Quillen

*Biotech Place (BTP) – Auditorium, 1st Floor*

*\*All interns required to attend!*

### **Friday, June 6<sup>th</sup>**

9:00 am – 10:00 am

### **Seminar #2: Part 2 – Rigor & Reproducibility (R&R)**

Led by Dr. Ellen Quillen

*Biotech Place (BTP) – Auditorium, 1st Floor*

*\*All interns required to attend!*

### **Wednesday, June 11<sup>th</sup>**

9:45 am – 12:00 pm

### **Wake Wednesday Event: Tour of WFIRM**

*391 Technology Way NE, Winston-Salem, NC 27101*

*\*Optional for all interns*

3:30 pm – 4:30 pm

### **Seminar #3: How to become a critical reader/thinker - The Art of Reading Scientific Papers**

Led by Dr. David Soto-Pantoja

*Bowman Gray Center for Medical Education (BGCME) – 5<sup>th</sup> Floor, Room 5206/5207*

*\*All interns required to attend!*

**Thursday, June 12<sup>th</sup>**

9:00 am – 10:00 am

**eREU KEEN Industry Seminar #1**

Led by Worcester Polytechnic Institute

*Virtual via Zoom*

*\*KEEN interns only, optional for BME interns*

4:30 pm – 5:30 pm

**Internship Ice Cream Social**

WF Summer Internship Programs

*Bowman Gray Center for Medical Education (BGCME) Front Patio / 1<sup>st</sup> floor BGCME Café*

**Wednesday, June 18<sup>th</sup>**

3:30 pm – 4:30 pm

**Seminar #4: How to Write a Scientific Abstract**

Led by Dr. Ashley Weaver

*Biotech Place (BTP) – Auditorium, 1st Floor*

*\*All interns required to attend!*

6:00 pm – 9:00 pm

**DASH Baseball Game**

Organized by the Department of Biomedical Engineering

*951 Ballpark Way, Winston Salem, NC*

**Thursday, June 19<sup>th</sup>**

**Juneteenth Holiday (*holiday observed*) – OFF**

**Wednesday, June 25<sup>th</sup>**

2:30 pm – 4:00 pm

**Seminar #5: How to find the right career path?**

Led by a panel of REU Summer Program Alumni

*Biotech Place (BTP) – Auditorium, 1st Floor*

*\*All interns required to attend!*

4:00 pm – 6:00 pm

**Internship Networking Reception**

WF Summer Internship Programs: Students & Mentors

*Biotech Place (BTP) – Atrium, 1st Floor*

**Thursday, June 26<sup>th</sup>**

9:00 am – 10:00 am

**eREU KEEN Industry Seminar #2**

Led by Rowan University

*Virtual via Zoom*

*\*KEEN interns only, optional for BME interns*

**Wednesday, July 2<sup>nd</sup>**

3:30 pm – 4:30 pm

**Seminar #6: Tips for applying to Graduate School, Medical School, or Industry**

Panelists: Drs. Erik Brady, Modupeola Akinola, & Grace White

*Biotech Place (BTP) – Auditorium, 1st Floor*

*\*All interns required to attend!*

**Friday, July 4<sup>th</sup>**

**Independence Day (*holiday observed*) – OFF**

**Wednesday, July 9<sup>th</sup>**

3:30 pm – 4:30 pm

**Seminar #7: Intro to Biostatistics & Research**

Led by Dr. Hannah Ainsworth

*Biotech Place (BTP) – Auditorium, 1st Floor*

*\*Optional for all interns! More information TBD*

**Thursday, July 10<sup>th</sup>**

9:00 am – 10:00 am

**eREU KEEN Industry Seminar #3**

Led by Wake Forest University: Elemance, LLC

*Biotech Place (BTP) – Room 155A&B*

*\*KEEN & BME interns only*

**Tuesday, July 15<sup>th</sup>**

9:00 am – 10:30 am

**eREU KEEN Workshop: Creating Value**

Led by Dr. Erin Henslee

*Biotech Place (BTP) – Room 155A&B*

*\*KEEN & BME interns only*

**Wednesday, July 16<sup>th</sup>**

11:00 am – 12:30 pm

**Wake Wednesday Event - Innovation Emerging Technologies:**

**3D Medical Imaging, 3D Printing, VR/XR, AI, and Ricoh 3D studio tour**

*One Technology Way - 4th Floor*

*\*Optional for all interns*

**Thursday, July 17<sup>th</sup>**

10:00am – 11:00am

**Coffee Hour - Fellowships & Scholarships**

Led by SBES Grad Students: Diana Madrid, Linda Liu, Luis Poveda, & Andrea Robinson

*Biotech Place (BTP) – 5<sup>th</sup> Floor, Suite 530*

*\*Optional for all interns*

**Wednesday, July 23<sup>rd</sup>**

3:30 pm – 5:00 pm

**Seminar #8: TBD**

*Biotech Place (BTP) – Auditorium, 1st Floor*

**Wednesday, July 30<sup>th</sup>**

1:00 pm – 4:00 pm

**Open Practice for Summer Symposium**

*Biotech Place (BTP) – Auditorium, 1st Floor*

*\*ALL interns are required to attend!*

**Thursday, July 31<sup>st</sup>**

9:00 am – 12:00 pm

**Summer Research Internship Program Symposium – Morning Session**

*Biotech Place (BTP) – Auditorium, 1st Floor*

12:00 pm – 1:30 pm

**Summer Symposium Lunch**

*Biotech Place (BTP) – Atrium, 1st Floor*

1:30 pm – 5:00 pm

**Summer Research Internship Program Symposium – Afternoon Session & Awards**

*Biotech Place (BTP) – Auditorium, 1st Floor*

5:00 pm

*All students must return their keys, badges, and any other Wake Forest equipment to assigned faculty or staff before the end of the day.*

**Friday, August 1<sup>st</sup>**

By 12:00 pm

**Move-out from Deacon Place - 2410 Whicker Acres Lane, Winston-Salem, NC 27106**