



Wake Forest University School of Medicine

Dept. of Biomedical Engineering & Center for Artificial Intelligence Research

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2025 Summer Research Internship Program May 27th, 2025 – August 1st, 2025

Tuesday, May 27th

9:00 am – 5:00 pm

Move-in to Deacon Place

2410 Whicker Acres Lane, Winston-Salem, NC 27106

ALL STUDENTS HOUSED AT DEACON PLACE ARE REQUIRED TO TAKE THE SHUTTLE ON 5/28 & 5/29

Wednesday, May 28th

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, 1st floor

10:30 am – 10:45 am

Summer Program Group Pictures

**Interns should be dressed in Business Casual attire*

11:00 am – 12:00 pm

Wake Forest & IQ Campus Tour

Led by SBES Graduate Student Ambassadors

Meeting Location: Biotech Place (BTP) – Atrium, 1st Floor

12:00 pm – 1:00 pm

Welcome Lunch – Meet your Mentors!

Biotech Place (BTP) – Atrium, 1st Floor

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

****CALIBIR interns to attend the following event:***

1:00 pm – 3:00 pm

CALIBIR IT Set-Up Orientation

Laptop distribution & set-up for CALIBIR interns

Biotech Place (BTP), 1st Floor, Room 155A&B

3:00 pm – 3:30 pm

CALIBIR Pre-Survey Session

Biotech Place (BTP), 1st Floor, Room 155A&B

Thursday, May 29th

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), 4th Floor

1:00 pm – 3:00 pm

Informatics Bootcamp #1: Healthcare Informatics

Led by Drs. Mostafa Rezapour, Hao Lu, & Mostafa Rezapour

Bailey Power Plant (BPP) – 5th Floor, Room 515

**CALIBIR interns only*

1:00 pm – 2:00 pm **eREU KEEN Workshop: Concept Mapping**
Led by Dr. Ashley Weaver
Biotech Place (BTP) - Auditorium, 1st floor
**KEEN & BME interns only*

2:00 pm – 3:00 pm **BME & KEEN Pre-Survey Session**
Biotech Place (BTP) - Auditorium, 1st floor

Friday, May 30th

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
**Optional for CALIBIR & KEEN interns*

10:30 am **Shuttle pick-up for transportation to Wake Downtown**

11:00 am – 12:00 pm **BME Tour of Experimental Biomechanics Labs**
Led by Dr. Philip Brown, Dr. Jill Urban, & graduate students
Meeting Location: Biotech Place (BTP) – Atrium, 1st Floor
Tour: Biotech Place 5th floor, Suite 530 & 1st floor, Suite 120
**BME Interns only, optional for CALIBIR & KEEN interns*

1:00 pm – 3:00 pm **Informatics Bootcamp #2: Clinical Informatics**
Led by Dr. Da Ma
Bailey Power Plant (BPP) – 4th Floor, Room 421
**CALIBIR interns only*

Monday, June 2nd

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) – 1st Floor, Room 155A&B
**KEEN & BME interns only*

Tuesday, June 3rd

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*

1:00 pm – 3:00 pm **Informatics Bootcamp #3: Translational Bioinformatics**
Led by Dr. Nicholette Allred
Bailey Power Plant (BPP) – Room #421
**CALIBIR interns only*

Wednesday, June 4th

8:30 am – 11:00 am **Red Carpet Kick Off: Breakfast with Leaders & Mentors**
Hosted by the Wake Forest HR Department
Historic Graylyn Estate – Aqua Pool Room: 1900 Reynolda Rd, Winston-Salem, NC 27106
**Optional for all interns & mentors*

NOTE: Shuttle transportation not provided – students encouraged to carpool

1:00 pm – 3:00 pm	Informatics Bootcamp #4: Artificial Intelligence Led by Drs. Arezoo Movaghar, Hao Lu, & Onur Koyun <i>Bailey Power Plant (BPP) – Room #421</i> <i>*CALIBIR interns only</i>
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 <i>Biotech Place (BTP) – Auditorium, 1st Floor</i> <i>*All interns required to attend!</i>
<u>Thursday, June 5th</u>	
9:00 am – 10:00 am	Seminar #2: Part 1 – Responsible Conduct of Research (RCR) Led by Dr. Ellen Quillen <i>Biotech Place (BTP) – Auditorium, 1st Floor</i> <i>*All interns required to attend!</i>
<u>Friday, June 6th</u>	
9:00 am – 10:00 am	Seminar #2: Part 2 – Rigor & Reproducibility (R&R) Led by Dr. Ellen Quillen <i>Biotech Place (BTP) – Auditorium, 1st Floor</i> <i>*All interns required to attend!</i>
<u>Wednesday, June 11th</u>	
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 <i>Bowman Gray Center for Medical Education (BGCME) – 5th Floor, Room 5206/5207</i> <i>*All interns required to attend!</i>
<u>Thursday, June 12th</u>	
9:00 am – 10:00 am	eREU KEEN Industry Seminar #1 Led by Worcester Polytechnic Institute <i>Virtual via Zoom</i> <i>*KEEN interns only, optional for BME interns</i>
1:30 pm – 3:00 pm	Informatics Journal Club 1/4 Led by Dr. Arezoo Movaghar <i>Bailey Power Plant (BPP) – Room #421</i> <i>*CALIBIR interns only</i>
4:30 pm – 5:30 pm	Internship Ice Cream Social WF Summer Internship Programs <i>Bowman Gray Center for Medical Education (BGCME) Front Patio / 1st floor Café</i>
<u>Wednesday, June 18th</u>	
10:00 am – 12:00 pm	Wake Wednesday Event: Dr. Eric Kirkendall - AI and Healthcare <i>Biotech Place (BTP) – Auditorium, 1st Floor</i> <i>*Optional for CALIBIR interns only</i>
3:30 pm – 4:30 pm	Seminar #4: How to Write a Scientific Abstract Led by Dr. Ashley Weaver <i>Biotech Place (BTP) – Auditorium, 1st Floor</i> <i>*All interns required to attend!</i>
6:00 pm – 9:00 pm	DASH Baseball Game Organized by the Department of Biomedical Engineering <i>951 Ballpark Way, Winston Salem, NC</i>

Thursday, June 19th

Juneteenth Holiday (*holiday observed*) – OFF

Wednesday, June 25th

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 26th

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*

1:30 pm – 3:00 pm

Informatics Journal Club 2/4

Led by Dr. Arezoo Movaghar

Bailey Power Plant (BPP) – Room #421

**CALIBIR interns only*

Monday, June 30th

12:00 pm – 1:00 pm

CALIBIR Mid-Summer Lunch w/ Mentors

Biotech Place (BTP) – Atrium, 1st Floor

**CALIBIR interns only*

Wednesday, July 2nd

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!*

Thursday, July 3rd

1:30 pm – 3:00 pm

Informatics Journal Club 3/4

Led by Dr. Arezoo Movaghar

Bailey Power Plant (BPP) – Room #421

**CALIBIR interns only*

Friday, July 4th

Independence Day (*holiday observed*) – OFF

Wednesday, July 9th

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 10th

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*

1:30 pm – 3:00 pm

Informatics Journal Club 4/4

Led by Dr. Arezoo Movaghar

Bailey Power Plant (BPP) – Room #421

**CALIBIR interns only*

Tuesday, July 15th

9:00 am – 10:00 am

eREU KEEN Workshop: Creating Value

Led by Dr. Erin Henslee

Biotech Place (BTP) – Room 155A&B

**KEEN & BME interns only*

Wednesday, July 16th

9:00 am – 11:00 am

Wake Wednesday Event - Innovation Emerging Technologies:

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

One Technology Place, 200 E 1st St, Winston-Salem, NC 27101, Fourth Floor, Suite 430

**Optional for all interns*

Thursday, July 17th

10:00am – 11:00am

Coffee Hour - Fellowships & Scholarships

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

Biotech Place (BTP) – 5th Floor, Suite 530

**Optional for all interns*

Tuesday, July 22nd

2:00 pm – 3:00 pm

Seminar #8: From Innovation to Commercialization

Led by Shweta Krishan, Associate Director of Wake Forest Innovations

Biotech Place (BTP) – Auditorium, 1st Floor

Wednesday, July 30th

10:00 am – 11:00 am

Wake Wednesday Event - "Digital Innovation in Healthcare"

Led by Paul Yelton

Biotech Place (BTP) – Auditorium, 1st Floor

**Optional for all interns*

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 31st

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 1st

By 12:00 pm

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

Survey Schedule:

Tuesday, May 27th	<i>Distributed by Dr. Wayne Pratt</i> Beginning Survey Evaluations – Open
Monday, June 2nd	Beginning Survey Evaluations – Close
Monday, June 23rd	Mid-Summer Survey Evaluations – Open
Friday, June 27th	Mid-Summer Survey Evaluations – Close
Thursday, July 24th	End/Final Summer Survey Evaluations – Open
Thursday, July 31st	End/Final Summer Survey Evaluations – Close

Academic Assignment Schedule:

Tuesday, July 15th	Scientific Research Abstract Draft Due <i>*BME & KEEN interns only for Creating Value Workshop at 9:00 am</i>
Wednesday, July 23rd	Symposium Talk Title Due by 5pm via CANVAS
Tuesday, July 29th	Symposium Powerpoint Presentation Due by 5pm via CANVAS