

# Grant Abrahamson



*Searching for chemosensory organelles  
in earthworms*

Laboratory of Dr. Wayne Silver (Wake Biology)

## Hometown:

Chanhassen, MN

**Hobbies:** Surfing,  
Snowboarding,  
Soccer, Biking

## Future Path:

Medical Technology  
and/or Surf Shop  
Owner



# Noor Alghanem



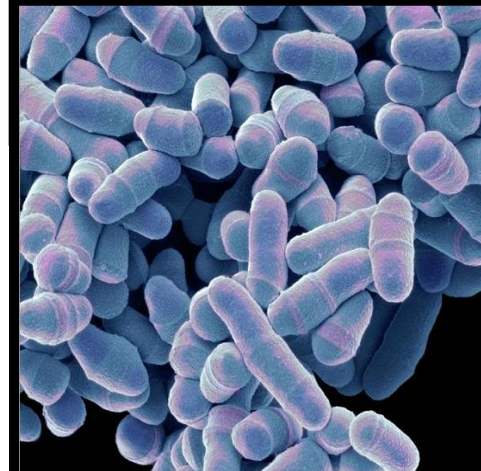
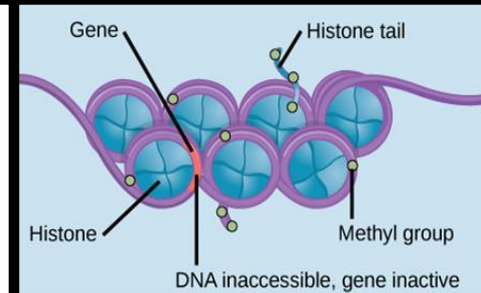
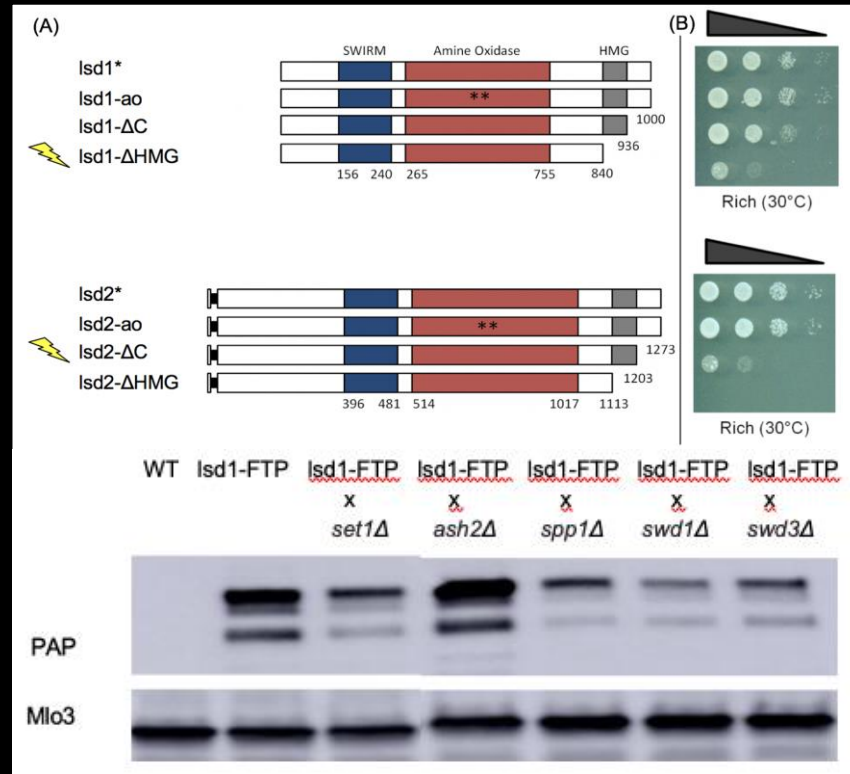
*Keeping the enemy closer:  
cross-regulation of histone lysine  
methyltransferase Set1C and demethylases  
LSD in Schizosaccharomyces pombe*  
Laboratory of Dr. Ke Zhang (Wake Biology)



**Hometown:**  
Dubai, AUE and  
Winston-Salem, NC

**Hobbies:** Culture,  
Language, Fashion

**Future Path:**  
Medicine and  
Public Health





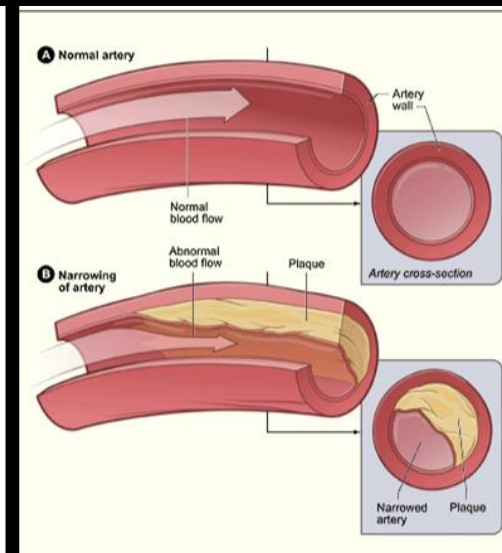
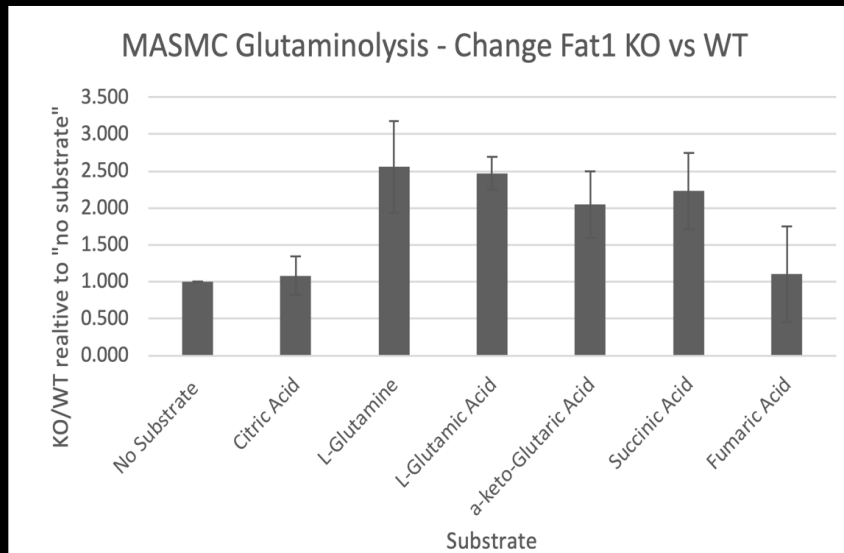
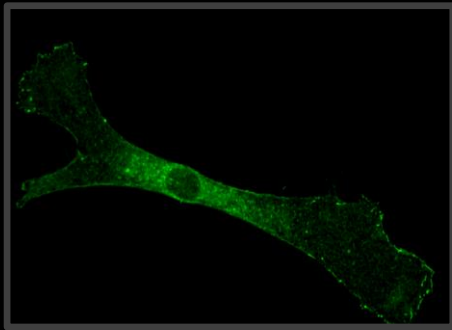
# Connor DeMayo

*The role of atypical cadherin Fat1 and mitochondrial function in limiting atherosclerosis*

Laboratory of Dr. Nicholas Sibinga  
(Albert Einstein College of Medicine)



Hometown:  
New Canaan, CT



# Grace Franzese

Honors



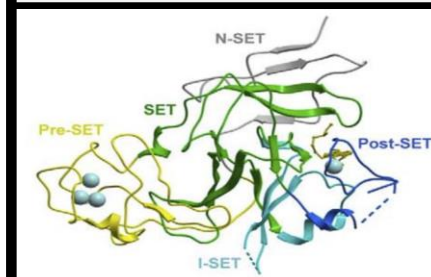
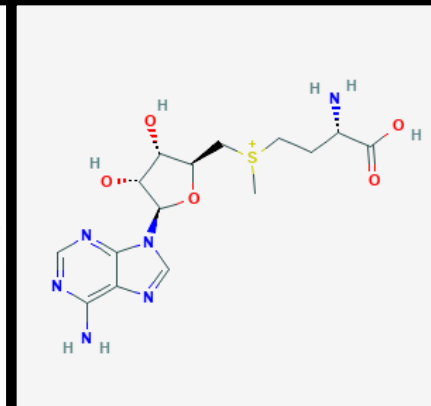
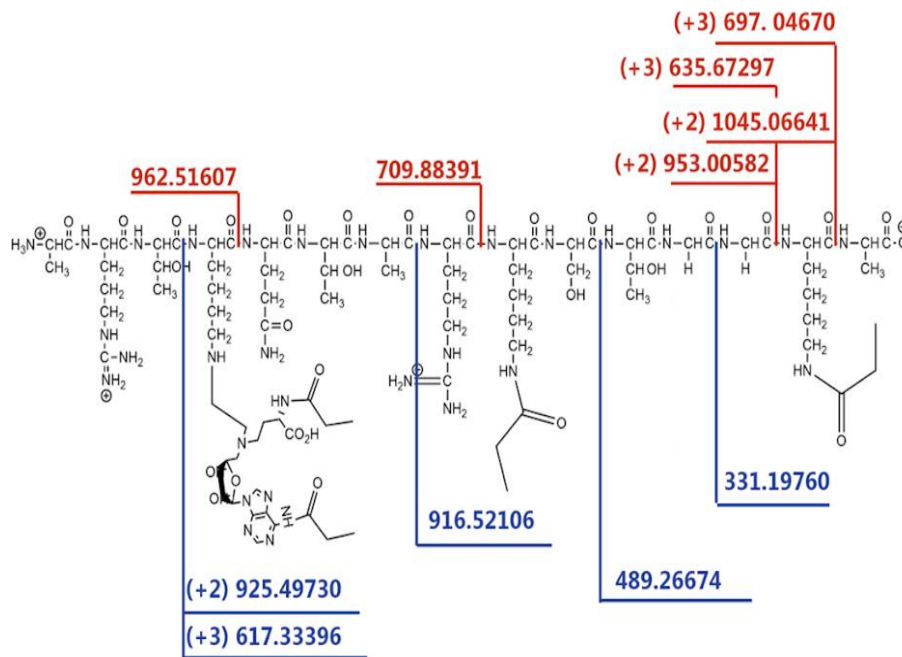
*Developing methodology  
for the evaluation of the compatibility  
N-mustard analogs of S-adenosyl-L-  
methionine with the enzyme G9a/EHMT2*

Laboratory of Lindsay Comstock  
(Wake Chemistry)

Hometown:  
Greenlawn, NY

Additional Major:  
English

Future Path:  
Medicine



# Nicole Johnsen

Honors



*Engineering adenovirus  
E4orf6 protein variants for adeno-  
associated viral vector production*  
Laboratory of Dr. David Ornelles (Wake SOM)

**Hometown:**  
Birmingham, AL

**Hobbies:** Dance,  
Graphic Design

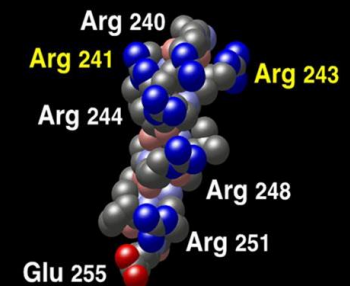
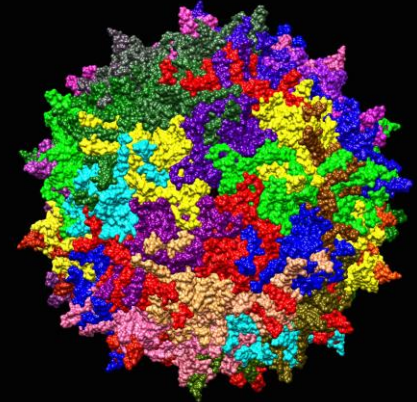
**Future Path:**  
Medicine

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# Becca Leonard

Honors

*Mutation of the rotavirus polymerase at a core shell contact site*

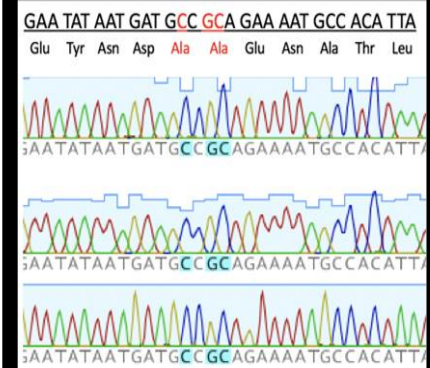
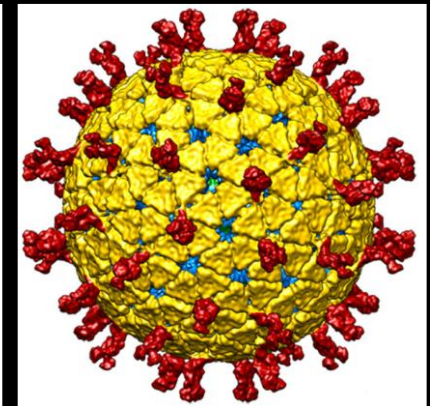
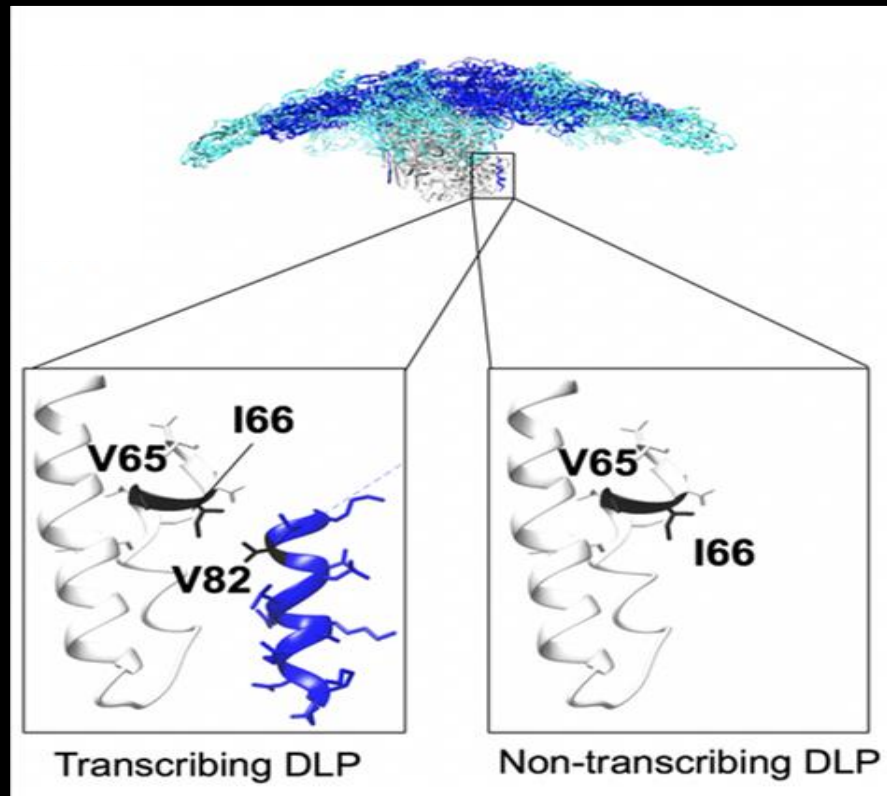
Laboratory of Dr. Sarah McDonald  
(Wake Biology)



**Hometown:**  
Wilton, CT

**Hobbies:**  
Reading, Volleyball,  
Cooking

**Future Path:**  
Ph.D. at  
Duke/Virology



# Mohammad Malik

## *Purification of DNMT3AC and S-adenosyl-L-methionine consumption*

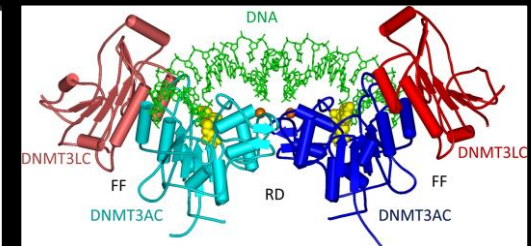
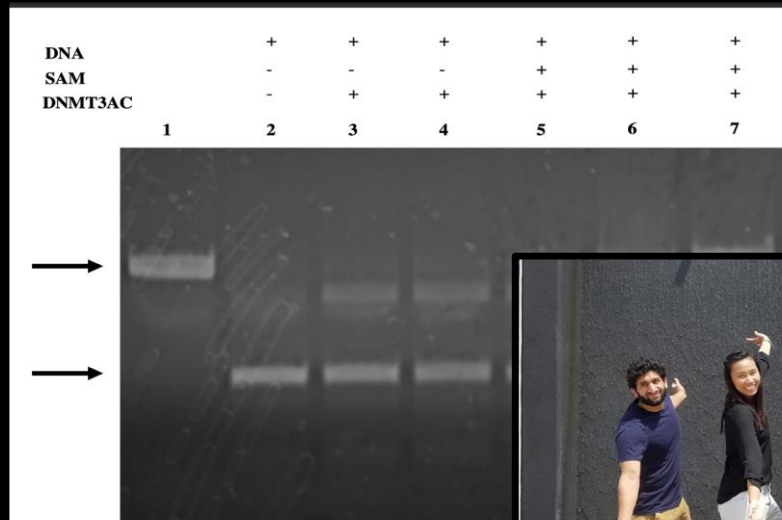
Laboratory of Lindsay Comstock  
(Wake Chemistry)



**Hometown:**  
Trinity, NC

**Hobbies:** Hiking,  
Traveling, Watching  
college sports,  
Reading

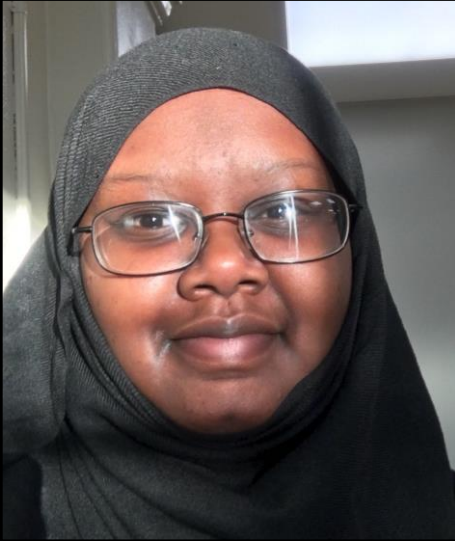
**Future Path:**  
Medicine



# Suprene Mohamedzein

*The effects of acute high temperature stress on Arabidopsis thaliana*

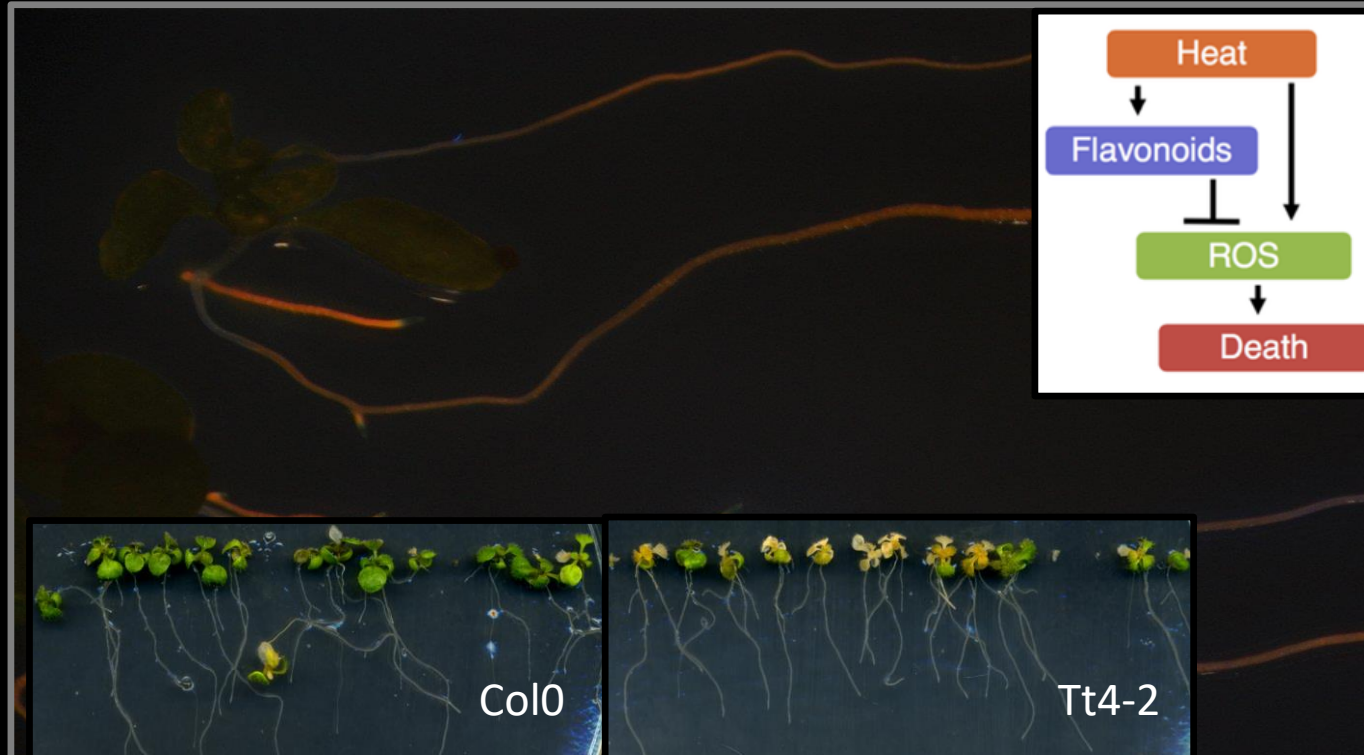
Laboratory of Gloria Muday (Wake Biology)



**Hometown:**  
Greensboro, NC

**Hobbies:** Time  
w/family, Hiking,  
Reading

**Future Path:**  
Ph.D. at Dartmouth  
College



\*Fellowship from the American Society of Plant Biologists (ASPB)



# Mackenzie Needham



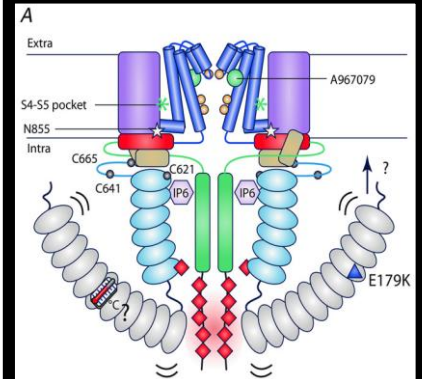
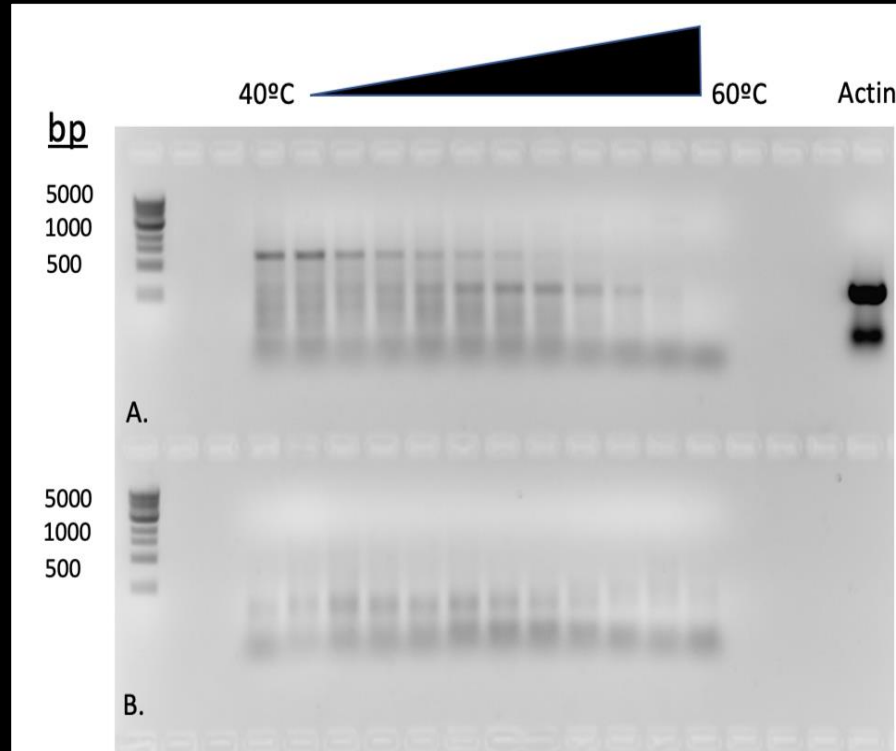
*Molecular cloning of TRPA1 from  
Tigrosa Georgicola*

Laboratory of Dr. Erik Johnson  
(Wake Biology)

**Hometown:**  
Knoxville, TN

**Hobbies:** Dancing,  
Watching Football,  
Time with Friends

**Future Path:**  
Medicine



# Callie Olish

Honors

## Characterization of Initiator of Meiosis 4 (*Ime4*), a novel protein in *Schizosaccharomyces pombe*

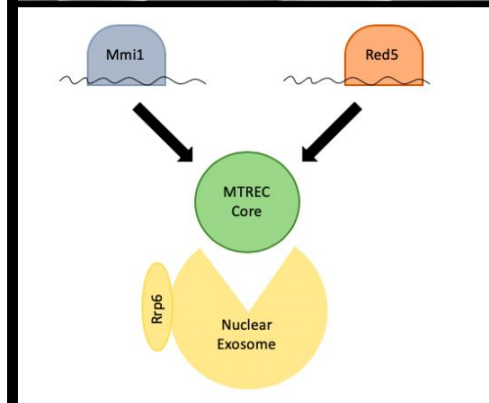
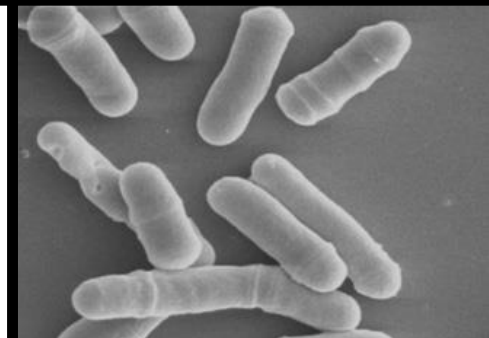
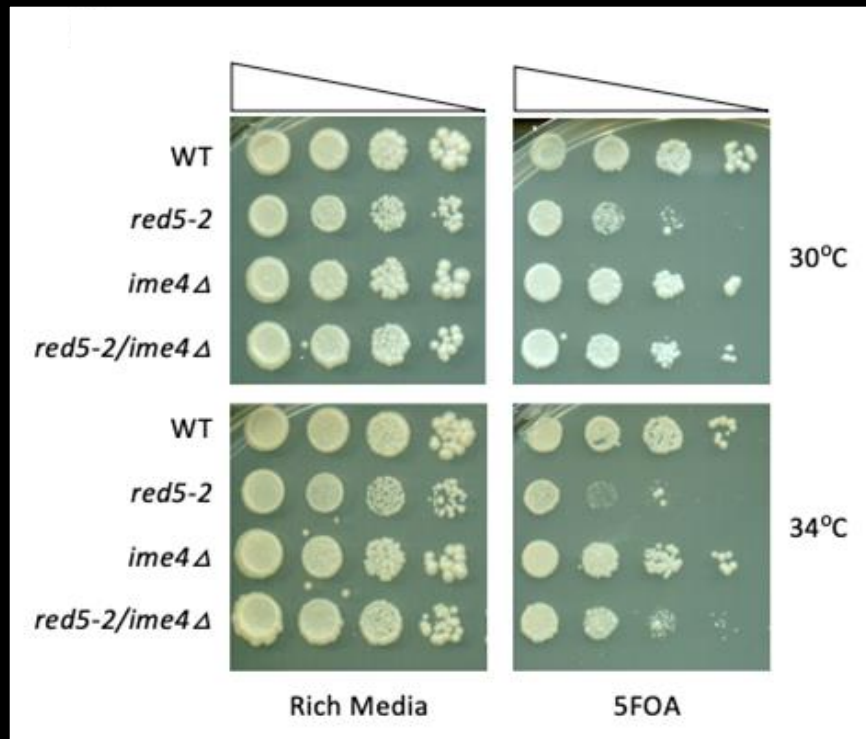
Laboratory of Dr. Ke Zhang (Wake Biology)



**Hometown:**  
 Mooresville, NC

**Hobbies:** Film Photography, Reading, Embroidery

**Future Path:**  
 Medicine





# Meha Patel

*Inhibition of the peroxiredoxin system using thiostrepton and its analogs*

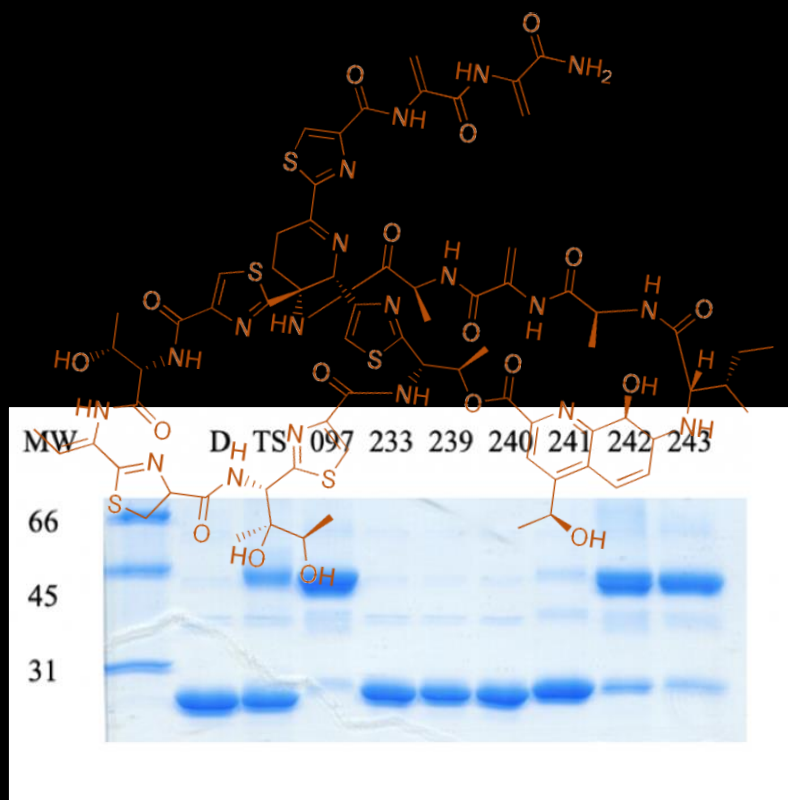
Laboratories of Dr. Todd Lowther and Dr. Kimberly Nelson (Wake SOM)



**Hometown:**  
Charlotte, NC

**Hobbies:** TikToks,  
Hanging w/  
friends,  
Watching Netflix

**Future Path:**  
Medicine



# Jordan Rumford

*Characterizing the localization of the adenoviral proteins hexon, penton, and fiber*

Laboratory of Dr. David Ornelles (Wake SOM)



**Hometown:**

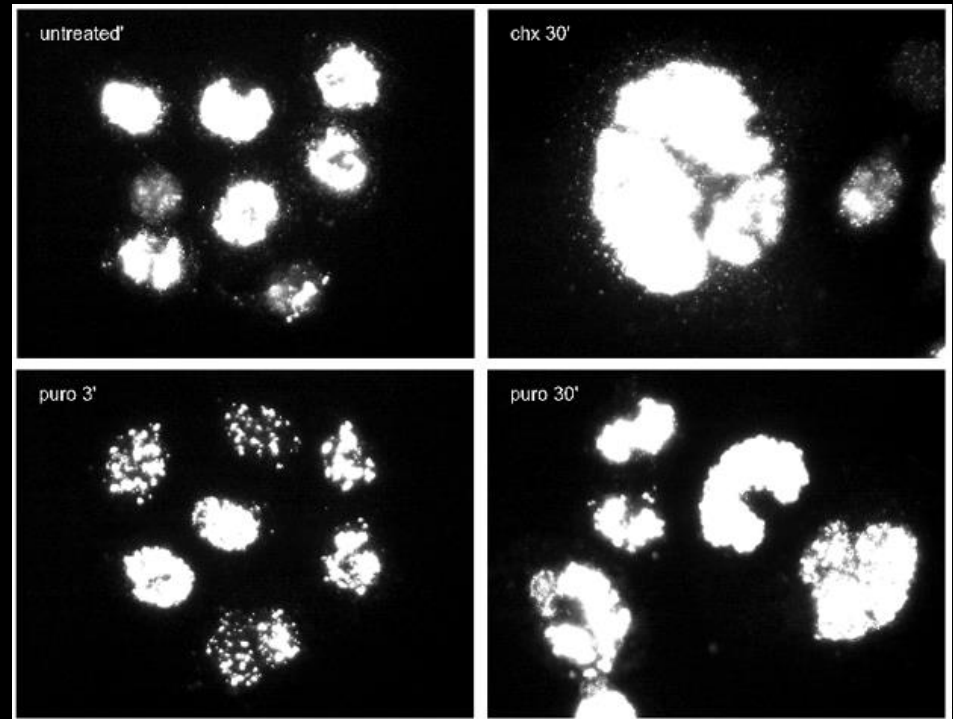
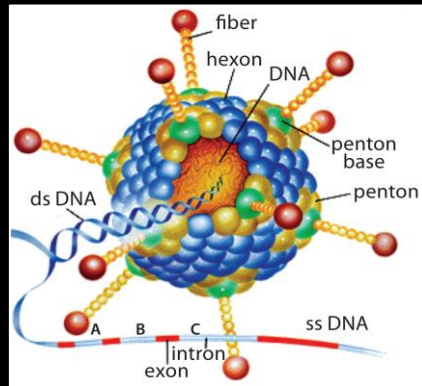
Paris, KY

**Hobbies:**

MMA, Hiking

**Future path:**

Ph.D. in Molecular Pathology and Immunology





# Molly Sohn

Honors

*Investigating host-specific diversity of rotavirus genotype 2 genes*

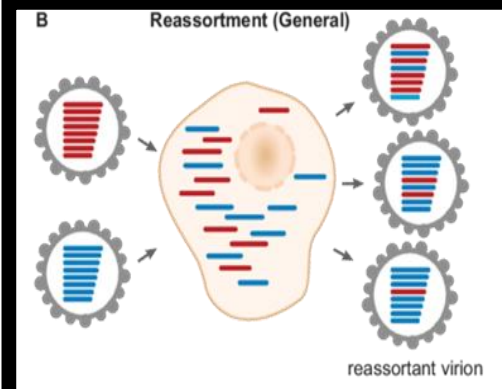
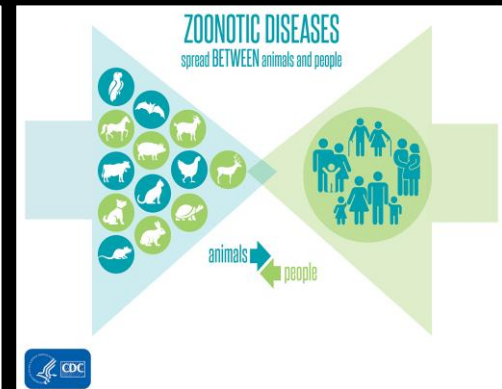
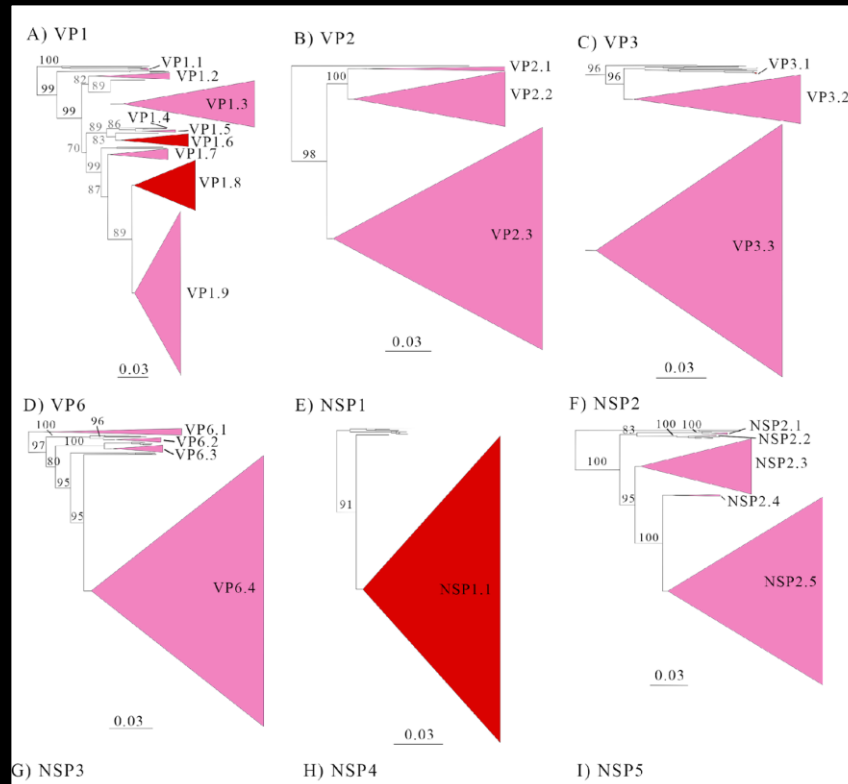
Laboratories of Dr. Sarah McDonald and Dr. James Pease (Wake Biology)



**Hometown:**  
Lewisville, NC

**Hobbies:**  
Hiking w/dog,  
Cooking, Working  
as an EMT

**Future Path:**  
Medicine



# Michael White

*Protein interactions regulating proliferative signaling and inflammation in bladder and ovarian cancer*

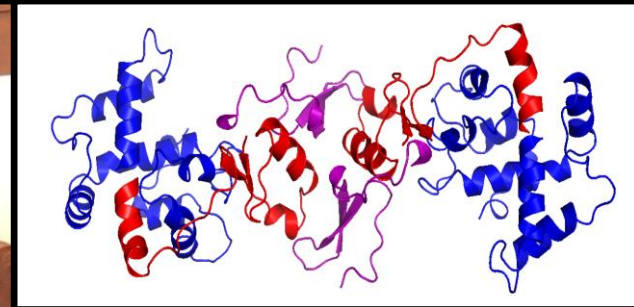
Laboratory of Dr. Naveen Said (Wake SOM)



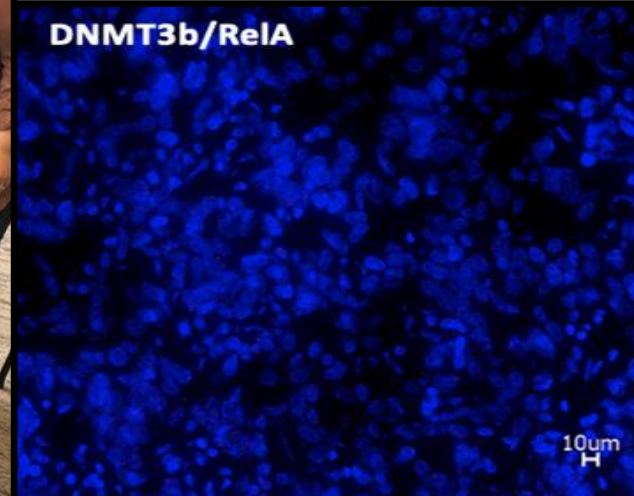
**Hometown:**  
Shrewsbury, NJ

**Hobbies:** Piano,  
Clarinet,  
Running, Hiking

**Future Path:**  
Medicine



DNMT3b/RelA





# Celia Zhou

*Quantifying evolutionary mismatch rates of HIV-1 viral escape mutants*

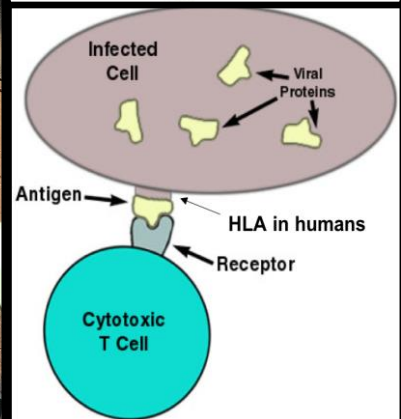
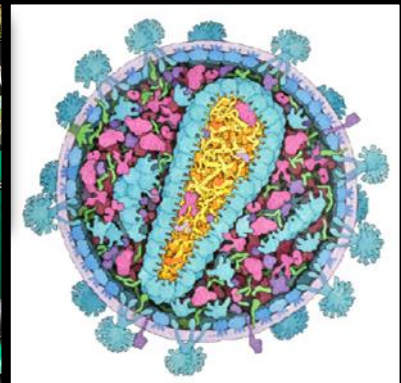
Laboratory of Dr. Katrina Lythgoe  
(Oxford Big Data Institute)



**Hometown:**  
Raleigh, NC

**Hobbies:** Yoga,  
Volleyball,  
Running

**Future Path:**  
Consulting and  
Public Health



# Thank you, Research Mentors!

