

DNAS SCIENTIFIC SCOOP

Greetings Science Friends!

The spring is always an interesting time of the year – and I'm not just talking about the extreme temperature swings in the Midwest. Rather spring in academia always offers a range of extreme emotions.

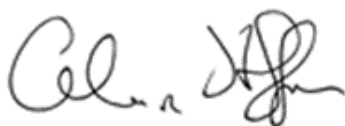
This spring like others offered bitter sweet moments; saying goodbye to a wonderful group of seniors yet at the same time very excited to see them spread their wings and head in different directions.

However, this year is even more bittersweet as for the first time in my time here we have DNAS full-time faculty also departing.

Excitement is definitely in the air, along with pollen and Canadian wildfire smoke, this spring. A member of our department was again awarded with a coveted UD Faculty Teaching Award, our department was again the recipient of an amazing gift from alumni, and again we had a wonderful group of seniors graduating. This newsletter is full of excitement. And if you find yourself excited about something, anything, please feel free to let me know -- ahoffman@dbq.edu.

Spring is a time of rebirth and renewal, thus although we are saying 'see you later' to great students and professors, I very much look forward to greeting new faces come fall. Thanks to all you students - past, present, and future - for the excitement that you bring to us.

Yours in science,




Adam R Hoffman

Professor of
Environmental Chemistry

DNAS Department Head

ahoffman@dbq.edu



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★ "Donate, Don't Dump" Results

★ Chlapaty Research Fellows Announced

★ and more!



CONGRATULATIONS **DNAS Graduates!**

Jenna Bidlingmaier	Biology
Luke Bullock	Biology and Math
Sharon Duarte-Moscoso	Biology
Madyson Dwight	Biology
Aaron Gross	Environmental Science
Derek Hardin	Environmental Science
Morgan Lawrence	Biology
Dylan Link	Environmental Science
Forrest Martin	Biology
Brady McIntyre	Biology
Levi Scheuermann	Biology
Alex Staver	Chemistry
Dillon Tierney	Environmental Science
Maryn Winders	Biology

Class of 2023

REFLECTING ON FAVORITE MEMORIES

Jenna Bidlingmaier:

Basically the entire class crying during the biochem final while Dr. Sinton was just smiling at us.

Sharon Duarte-Moscoso:

Going through the program with my best friend, Alexis Adkins. She had pushed me to be better and every memory I made in the science center, was with her by my side. Thanks for the late night study sessions in the lab and the early morning coffee runs before classes!

Maryn Winders:

The trip I took to Sweden with Dr. Hoffman in 2022. I left my comfort zone behind in the US and ended up making the most special memories with some of my best friends. If you ever get the chance to travel abroad, DO IT!!!

Madyson Dwight:

Going to Sweden with Dr. Hoffman, Dr. G, and many of my friends. I learned many things that I will be able to utilize throughout my life and I will always cherish the memories that were made there.

Dillon Tierney:

When we picked up trash at the Mines of Spain with WOL and found a whole computer

Forrest Martin:

My time spent conducting research with UD's amazing professors.

Dylan Link:

Coffee Fridays, we always looked forward to them and it was a great time to just be able to talk to classmates and professors on anything and everything.

Aaron Gross:

My favorite memories from here are from Ichthyology lab going out and Electro-Shocking fish and boating around the river working in the water was some of the most fun I've had in my life.

Brady McIntyre:

The trip I took to Sweden in the summer of 2022. This was an experience of a lifetime with some of my closest friends and professors which became one of my favorite memories of all time. The opportunity to travel to a different country for the first time is an experience I will cherish forever.

Alex Staver:

Performing many fun and interesting laboratory experiments with different professors and peers.

DEPARTMENT OF NATURAL AND APPLIED SCIENCES

AWARD WINNERS
2023

THE WILLIAM N. BERG AWARD FOR EXCELLENCE
IN STUDENT ENVIRONMENTAL RESEARCH
Sean Wahlin

ENVIRONMENTAL SCIENCE STUDENT LEADERSHIP AWARD
Jessicca Dix, Braydin Preston, and Joseph Wohlers

THE ROBERT M. MILLER AWARD FOR EXCELLENCE IN
BIOLOGY/ ENVIRONMENTAL SCIENCE
Maryn Winders

THE DR. RICHARD E. COWART AWARD FOR
EXCELLENCE IN BIOLOGY
Emily Gross

AWARD FOR EXCELLENCE IN STUDENT
BIOLOGICAL RESEARCH
Ahrend Raab and Bella Como

AWARD FOR EXCELLENCE IN STUDENT
CHEMISTRY RESEARCH
Ryan Kiddle

WILLIAM C. AND MARY HELEN NEUMEISTER
SCHOLARSHIP
Emerson Wilson and Jenna Bidlingmaier

DR. CARLOSUCH SCIENCE SCHOLARSHIP
Taylor Sperflage



**HONORS
CONVOCATION
04.12.2023**

UNIVERSITY *of* DUBUQUE
Faculty Hall of Fame
for Excellence in Teaching and Advising

Congratulations!

**DR. RICHARD
SMITH**

UD Faculty Hall of Fame Inductee
2023



The University of Dubuque inducted two individuals into its Faculty Hall of Fame for Excellence in Teaching and Advising on Thursday, April 13, 2023, at the Dubuque Golf and Country Club. Richard W. Smith, MA, assistant professor of physics, received the 2023 William L. Lomax Award.

"The Faculty Hall of Fame is one way in which we recognize outstanding and distinguished members of our faculty for their excellence in teaching and advising to students. [...] Professor Smith has served the needs of the University and its students whenever and wherever those opportunities have presented themselves. He began his tenure as a media director and math tutor in the Academic Success Center and since then accepted a full-time position to teach physics and mathematics, helping the courses grow in popularity amongst our students," said Rev. Jeffrey F. Bullock, PhD, president of the University of Dubuque.

[Read Full
Story Here](#)

SUSTAINABILITY IN SWEDEN

CLASS TRIP 2023



The class under the wonder that is the aurora borealis, better known as the northern lights



Class after ice climbing at Abisko National Park



View outside the ICE hotel in Jukkasjärvi

Professor Hoffman feeds Swedish reindeer, an important part of the Sámi culture



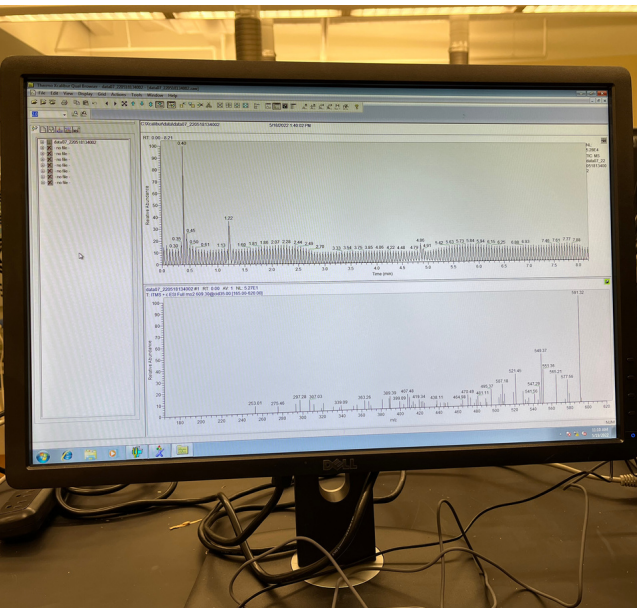
The view down main street in Kiruna, 90 miles north into the arctic circle



Fika during our visit to Atlas Copco Group where we were hosted by Anna Von Braun, whose son Lucas attended UD

Supporting the Sciences

Don (C'62) and Ronna Robertson generously provided funding for the purchase of a Liquid Chromatography/Mass Spectrometry system in the Department of Natural and Applied Sciences!



LC/MS CHROMATOGRAPHY SYSTEM

With its ability to separate mixtures with multiple components, mass spectrometry provides structural identity of individual components with high molecular specificity and detection sensitivity.

Left: Output of sample analysis on the new system

WHAT WILL IT DO?

This instrument will be used in student research analyzing biochemical, organic, and inorganic compounds commonly found in complex samples of environmental and biological origin. It will be useful in biochemical, environmental, and pharmaceutical research.

This wonderful gift from the Robertsons will be utilized in nearly every upper-level chemistry class!



Above: DNAS students ready to help Dr. Mark Sinton unpack the LC/MS for installation; from left to right, the students are: Luke Bullock, Alex Staver, Ariana Pizano, Lauryn Behrend, and Hanna Blumhoff



Left: LC/MS system setup in the DNAS instrumentation lab - ready to research!

**Thank you,
Don and Ronna!**



Summer 2023

JOHN AND ALICE BUTLER SUMMER RESEARCH FELLOWS

2023 Butler Fellows to Conduct Research and Participate in Internships

Eight University of Dubuque students will conduct research with faculty on topics such as the impact of technological addiction on college student motivation or partake in internships in their intended profession in areas such as land management this summer through the John and Alice Butler Summer Research Fellowship.

Fellows will also build professional relationships through activities such as mock interviews, resume and cover letter design, and networking opportunities to enhance their post-graduate employment. They will commit to 400 hours of work over a 10-week period this summer. Fellows will each receive a stipend of \$5,500 with an additional \$600 for research or internship associated supplies and/or travel costs.

Fellows are required to present the results of their research or internship during the following academic year at a local, regional, or national conference.

2023 DNAS Butler Fellows at Wolter Woods and Prairies:

Dylan Croisant, a junior pre-nursing major from Hennepin, Illinois

Zachary Donath, a junior environmental science major from Dubuque, Iowa

James Eberhardt, a junior environmental science major from Elkader, Iowa

Braydin Preston, a junior computer information technology and environmental science double major from Lanark, Illinois



DYLAN C.



ZACHARY D.



JAMES E.



BRAYDIN P.

[Read Full
Story Here](#)

DONATE!

don't
DUMP



Spring Move-Out
Donation Drive
Results!



1 trunk of
school supplies to
UD's Academic
Success Center!



2 truck loads of
clothing to
Goodwill!



500 lbs. of food
to UD Foodshare Co-Op!



Sustainable UD



Summer 2023

JOSEPH AND LINDA CHLAPATY SUMMER RESEARCH FELLOWS

2023 Chlapaty Fellows to Conduct Research

Sixteen University of Dubuque students and recent graduates will research topics from cellular metal contamination and tolerance in crayfish to Iowa's fair cross section guarantee in jury pools through the Joseph and Linda Chlapaty Summer Research Fellowship.

Fellows will engage in one-on-one research with faculty, prepare for post-graduate school examination, build upon their communication skills, and participate in networking opportunities. They will commit to 400 hours of work over a 10-week period this summer. Fellows will each receive a stipend of \$5,500 with an additional \$600 for research associated supplies and/or travel costs.

Fellows are required to present the results of their research or internship during the following academic year at a local, regional, or national conference. [READ FULL STORY](#)

2023 DNAS Chlapaty Fellows:



JENNA B. (C'23)



JESSICCA D.



RYAN K.



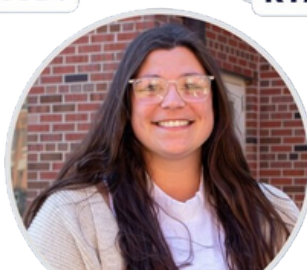
MAKENZIE K.



AZARIAH M.



BEN M.



SARA N.



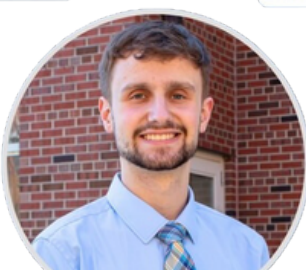
AHREND R. (C'22)



SAMANTHA S.



LINDSEY S.



SEAN W.



EMERSON W.



MARYN W. (C'23)



EVAN W.

HAPPY RETIREMENT!



DNAS
CHEMISTRY

DR. KEN TURNER

What is next for you?

In this threshold space of beginning my retirement, I am trying to catch my breath and reflect on 42 years of teaching.

What will you miss most about UD?

I will miss (and already miss) my wonderful colleagues and the amazing students of DNAS and UD. That is what I miss the most.

DNAS: Past, Present, and Future



Lara Fluhr
Class of 2002

Tell us a little about yourself.

Born and raised in Jacksonville, IL, I visited UD while a senior in high school and began as a student in 1998. I met my husband while in college and Jeremy I married in 2005. We decided to stay in Dubuque after graduation. I started working in the admission office at UD in 2003 and have been here for the past 20 years! I have 2 children, 13 year old son, Braylen, and 10 year old daughter, Haley and 1 dog, Max. I love being outside walking and exercising, red wine, spring and summertime, watching baseball and softball, camping, and reading!

What are your goals?

Personal- to raise happy/health kids that appreciate and respect the world around them and all of the living things that live in it, even their parents. Professional- to assist the University in filling our campus with students that appreciate the opportunities provided to them and to take advantage of those opportunities to help them become contributing members of their communities.

Why UD?

When visiting colleges Dubuque really stood out due to its location, it was away from home, and the Science program. I loved my high school science classes and my teacher was GREAT, which inspired me to pursue Environmental Science in my college education. I fell in love with the small size, opportunities with Science at UD and in Dubuque with the Mississippi River, and campus. I still remember my campus tour and my tour guide!

What is one book you would recommend to everyone to read?

Immortal Life of Henrietta Lacks



Akim Baba Traore
Class of 2025

Tell us a little about yourself.

I am a biology major with recent interest in philosophy. I was born and raised in Togo, West Africa then I moved to East moline, IL in 2016 at the age of thirteen. I am a dual athlete; I have participated in soccer in which my position is striker. I also participate in Track and Field in which I run the 100m and my personal favorite triple jump. I enjoy watching TV shows, Soccer, Basketball, and triple jump.

What are your future plans?

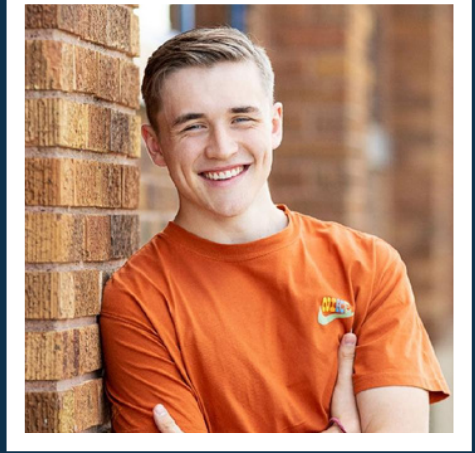
For now, the plan is to finish my undergraduate degree. And since I have always had an interest in the medical field, the plan is to either go into a PA program and become a physician assistant with a focus in emergency medicine or go to medical school and become a physician. As of now I have been leaning toward medical school.

Why UD?

I chose UD because it provides the type of connection between professors and students that I believe can allow me to grow as a student, UD has a very welcoming and bond building environment that can help build relationships beyond academics, and from my experience specifically within the science department so many opportunities are provided for students to better themselves within their classrooms and within their personal career plans.

What is one book you recommend to everyone?

12 rules for life by Jordan B. Peterson on for the better.



Asher Beermann
Class of 2027

Tell us a little about yourself.

My name is Asher Beermann and I am a senior at Union High School. I am Involved In Track, Soccer, Choir, Cross Country, and several other programs offered by my school. In my free time, I like to spend time outdoors, play card games, read, and spend time with my friends and family.

What are your future plans?

This upcoming year I will be beginning my schooling at the University of Dubuque. I will be pursuing a double major in Biology and Environmental Science. I also plan to continue my athletic career by running on the UD track team. Beyond that, I am looking forward to exploring potential career options and getting to know my fellow classmates over the next few years!

Why UD?

Over the last few years, I have had numerous opportunities to visit the University of Dubuque for football games, track meets, and choir concerts and I just loved the environment at each one. The people are simply just so friendly! And to put the cherry on top they have a wonderful science department and track team!

What is one book you would recommend to everyone to read?

I would recommend Peirce Brown's Red Rising. It is a wonderful Science Fiction novel that follows the journey of a former worker who rises up the ranks of his futuristic society in hopes of toppling it. It is a perfect start to an amazing series!

FAREWELL!



DNAS
ENVIRONMENTAL
SCIENCE

DR. JAKE GODFREY

What will you miss most about UD?

The students and faculty. I can't emphasize enough how amazing everyone has been here over the past year. The faculty (including outside DNAS) at UD are amazing and extremely welcoming. Students here are also just on a level of their own. Those students that I've been lucky enough to work with have really reinvigorated my passion in academia, and really make me hopeful for the future when they take the reins.

HAVE A GREAT SUMMER!



Adam Hoffman
Dept. Head



Kelly Grussendorf
Asst. Dept. Head



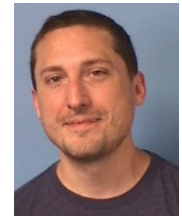
Amandeep
Arora



Joshua
Chamberland



Dale
Easley



Jake
Godfrey



Lalith
Jayawickrama



Adam
Kleinschmit



David
Koch



Rasika
Mudalige



Mark
Sinton



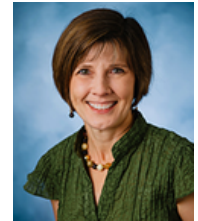
Richard
Smith



Ken
Turner



Gerald
Zuercher



Michele
Zuercher

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