

The Mole Street Journal

Volume 7, Issue 6

Commencement 2008



First Ranked Senior Scholars

Three chemistry majors — **Natalie Jee Anderson**, **Nicole Hart McClellan** and **Blake Anthony Williams** were among 36 U of A students recognized for earning a 4.0 GPA for a baccalaureate degree with all course work being completed on campus.

Senior Honors Citation

Zach Donnell was one of two recipients of the 2008 Senior Honor Citation awards by the Arkansas Alumni Association. The award recognizes a senior who exhibits outstanding academic achievement, campus and community involvement and leadership.



Hantz Honors Award

Eric Flagg received the Harold D. Hantz Departmental Honors Award by the Fulbright College Honors program. The award recognizes the top graduate in the honors track through an endowment from the Hantz family.



Top left from left: Whitney Tharp, Tara Teff, Kristin Nagle, Natalie Anderson and Hibbut-Ur-Rauf Naseem. Top right from left: Fredisha Manning and Nicole Nooner. Above from left: Chris Schmeller, Lindsey Pharis, Nicole McClellan and Nathan Green.

Anderson Named Alpha Chi Sigma Scholar

Natalie Jee Anderson has been named the Alpha Chi Sigma Scholar for 2008. This national award was established in 1914 "To emphasize the belief that to encourage scholarship is one way to strive for the advancement of chemistry."

Anderson is a member of the Alpha Sigma Chapter of Alpha Chi Sigma, and only one of three chapter members to receive the award since 1978. No other chapter has exceeded that number. The two brothers to receive the award were Joseph R. Jacobs, Jr. (1991) and Matthew Lohse (2004).

The award will be presented at the biennial conclave of the fraternity at the University of Indiana in July.



Faculty News

Research News

“A Light Scattering Study of the Interaction of Fibroblast Growth Factor (Fgf) with its Receptor,” was published in the *Biophysical Journal*, authors Pallavi Sharma, D. Rajalingam, T. K. S. Kumar and S. Singh. *Biophysical Journal* 94(9):71-3 (May, 2008).

On the Go

Bob Gawley gave lectures at Ludwig Maximilian University, Munich, and the University of Regensburg in May.

Matt McIntosh will serve on an NIH study section in Washington D.C. June 26.

56th ASMS Conference on Mass Spectrometry - Denver, June 1-4

The following poster presentations will be made.

Coy Batoy “Elucidation of the Impact of Met30 on the Phospholipid Profile of *Saccharomyces Cerevisiae* using Matrix Assisted Laser Desorption/Ionization Mass Spectrometry.”

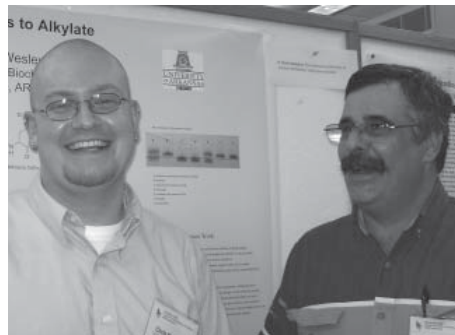
Jennifer Gidden “Following the Oxidation and Thermal Decomposition of Edible Oils Using MALDI-TOF Mass Spectrometry.”

Rohana Liyanage “Measurement of Protein Structure and Folding Differences Associated with Systematic Mutations of the Protein Staphylococcal Nuclease Using HX-HPLC-ESI-MS.”

Sasa Miladinovic “LDI-FTMS Analysis of Thin Films Deposited on Silicon by Plasma Polymerization of Acetylene.”

Jack Lay and **Charles Wilkins** will attend.

COBRE Symposium



The NIH NCRR COBRE Center for Protein Structure and Function – 2008 Symposium took place on campus May 15. The event included short talks and 34 poster presentations, as well as meetings with external advisory board members. <http://protein.uark.edu/>



Above: Undergraduate Emily Edwards with mentor Paul Adams. Above left: Anne Froyd-Rankenbergh with advisory board member Olaf Andersen. At left: Graduate students Chris Saunders and Chris Mazzanti.

Honor Graduates

Departmental Honors Students

Departmental Honors students must complete honors courses, satisfy all departmental requirements and write and defend an honors thesis.

Drew Bockenfeld *Magna Cum Laude*

Mentor Wesley Stites

Sherri Ann Brixey *Cum Laude*

Mentor T.K.S. Kumar

Sam Burns *Cum Laude*

Mentor Bob Gawley

Chris Carter *Magna Cum Laude*

Mentor David Paul

Rachel Ellis *Cum Laude*

Mentor Denise Greathouse

Eric Flagg *Summa Cum Laude*

Mentor Roger Koeppel

Khalil Ibrahim *Summa Cum Laude*

Mentor T.K.S. Kumar

Meg Mainord-McDaniel *Cum Laude*

Mentor David McNabb (BIOS)

Kristin Nagle *Summa Cum Laude*

Mentor Wesley Stites

Heba Naseem *Cum Laude*

Mentor Wesley Stites

Sean Stevens *Summa*

Mentor Bob Gawley

Whitney Tharp *Magna Cum Laude*

Mentor Joshua Sakon

Four-Year Scholars

Four-Year Scholars take most of their core courses at the honors level (including fifteen hours of upper-level colloquia), meet all departmental requirements and write and defend an honors thesis.

Natalie Anderson *Summa Cum Laude*

Mentor Roger Koeppel

Randy Carney *Summa Cum Laude*

Mentor Xiaogang Peng

Zach Donnell *Summa Cum Laude*

Mentor Denise Greathouse

Nicole McClellan *Summa Cum Laude*

Mentor Denise Greathouse

Chris Sichmeller *Magna Cum Laude*

Mentor Xiaogang Peng

Blake Williams *Magna Cum Laude*

Mentor Matt McIntosh

Adam Zimmerman

Mentor Joshua Sakon

June Safety Tip

Familiarize yourself with the hazards of the materials with which you work

REU/INBRE

The department is hosting 10 NSF Research Experience for Undergraduates (REU) students. It is the 20th consecutive year for the department to host the REU program.

The department is also hosting four of 16 students state-wide selected for the IDeA Network of Biomedical Research Excellence (INBRE) summer research fellowship.

Both 10-week summer programs provide students with a hands-on experience in a chosen research.

INBRE is funded by the National Center for Research Resources (NCRR), under the Institutional Development Award (IDeA) Program of the National Institutes of Health (NIH). Other institutions hosting Arkansas INBRE students are UALR and UAMS.



Ivy Fitzgerald
Agnes Scott College
Hometown: Hood River, Ore.
REU Mentor: T. K. S. Kumar



Christena Hooten
University of Arkansas
Hometown: Texarkana, Ark.
REU Mentor: Ingrid Fritsch



Christopher Ladner
Spring Hill College
Hometown: Gautier, Miss.
REU Mentor: Julie Stenken



William Newhart
Missouri Western State University
Hometown: Helena, Mo.
REU Mentor: Julie Stenken



Sean Nomoto
University of Wisconsin - River Falls
Hometown: Emerald, Wis.
REU Mentor: Ryan Tian



Nikita Patton
Bennett College for Women
Hometown: Louisville, Ky.
REU Mentor: Paul Adams



Ashley Ramsey
University of Arkansas at Monticello
Hometown: Columbia, La.
REU Mentor: Wes Stites



Michelle Reed
Adams State College
Hometown: Longmont, Colo.
REU Mentor: David Paul



Scott Robotham
Nebraska Wesleyan University
Hometown: Lincoln, Neb.
REU Mentor: Charles Wilkins



Andrew Ward
University of Detroit Mercy
Hometown: New Baltimore, Mich.
REU Mentor: Bob Gawley



Holly Crouch
Arkansas Tech University
Hometown: London, Ark.
INBRE Mentor: Jeannine Durdik (BIOS)



Ashley Fredrick
Arkansas Tech University
Hometown: Green Forest, Ark.
INBRE Mentor: Matt McIntosh



Faith Hurd
University of Arkansas at Pine Bluff
Hometown: Dermott, Ark.
INBRE Mentor: Denise Greathouse



Joel Starch
John Brown University
Hometown: Melvern, Kansas
INBRE Mentor: Wes Stites

Summer Calendar of Events

June

- 16..... Last day to add a session 1 course with a "W"
 27..... Last day of summer session 1
 30..... Classes begin for summer session 2

July

- 01..... Last day to register to add a session 2 course
 03..... Last day to drop a session 2 course without a mark of "W"
 04..... Independence Day - U of A CLOSED
 23..... HHMI poster session
 24..... REU poster session
 28..... Last day to drop a session 2 course with a mark of "W"

August

- 08..... Last day of session 2
 08..... Last day to officially withdraw from all session 2 courses

Fall At-A-Glance

August

- 15..... Undergraduate admission deadline for fall
 24..... Last day to withdraw from
 25..... First day of fall classes
 29..... Last day to register or add a course

September

- 01..... Labor Day - U of A CLOSED
 08..... Fall Seminar Series begins
 13..... Symposium to Honor Charles L. Wilkins

November

- 7-8 INBRE conference
 26..... Fall break - no classes
 27..... Thanksgiving - U of A CLOSED
 28..... U of A CLOSED

December

- 09..... Last day of fall classes
 10..... Dead day - no classes
 11-17 Final Exams
 24-31 U of A CLOSED

New Student Orientation

New undergraduates will be in the Chemistry Building as part of new student orientation from 3:15 p.m. to 4 p.m. on the dates below.

June 9, 10, 11, 12, 16, 17, 18, 19, 23, 24, 25, 26 and August 18

June Birthdays

- 03.....Lorraine Brewer
 09.....David Hayes
 26.....Taher Yousaf
 26.....Chris Ladner (REU)
 28.....Samrat Thapa
 29.....Wally Cordes

The publishing of birthdays is not intended to invade the privacy of anyone. If you prefer not to be included, please let us know.

Library Hours

Chemistry and Biochemistry

Summer Hours

- Monday - Thursday.... 8 a.m. to 6 p.m.
 Friday 8 a.m. to 5 p.m.
 Saturday CLOSED
 Sunday..... CLOSED

Exceptions to Summer Hours

July 4CLOSED

Fall hours begin August 25

<http://libinfo.uark.edu/chemistry/>

The department of chemistry and biochemistry at the University of Arkansas strives for excellence in research, teaching and service in chemistry—the central science.

We aspire to positions of leadership regarding the discovery of new scientific knowledge, the training of students, and the economic development of the State of Arkansas.

We seek to recruit and retain a diverse group of the best faculty, students and staff to address the challenges of the future through interdisciplinary and multidisciplinary research and education.