

The Mole Street Journal

Department of Chemistry and Biochemistry

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Special points of interest:

- ABI marks 10 years in operation
- Fall Commencement Returns!
- Stenken appointed to NIH study section
- Undergraduate Fall Scholarships announced

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ABI Reaches Ten Year Mark



Front row, L-R: Soumitra Maity, Ryan Shinabery, Charles Wilkins, Ingrid Fritsch, Denise Greathouse, Matt McIntosh, Khaled Al-Shurman
2nd row: Jiang Wang, Nabih Masri, Nan Zheng, Julie Stenken, Cole Deaton, Matt Jackson, Chris Clark, Ryan Tian
3rd row: Wes Stites, Neil Allison, Jim Hinton, Thad Vasicek, Cynthia Sides, Suresh Kumar
4th row: Frank Millett, Bob Gawley

University of Arkansas Department of Chemistry and Biochemistry professors who have been involved with ABI include those pictured, plus Paul Adams, Joshua Sakon, Colin Heyes, Jack Lay and Roger Koeppel.

Participating institutions and their approximate funding for the first 10 years are:

- UAF \$16.9 million
- UA Div. of Agri. \$16.9 million
- ASU \$31.6 million
- ACH Research Institute \$14.8 million
- UAMS \$29.5 million

The Arkansas Biosciences Institute (ABI) has been in operation for 10 years. It is an agricultural and biomedical research consortium of the Arkansas Tobacco Settlement Proceeds Act of 2000, dedicated to improving the health of Arkansas. ABI-supported investigators explore many different body and cellular processes in their search for answers to challenging basic science and health related questions.

Executive Director is Dr. Robert E. McGehee, Jr. of UAMS. The ABI Institutional director for UAF is Dr. Roger Koeppel, II.

Fall Commencement Returns

Approximately 800 University of Arkansas graduates walked the stage at Barnhill Arena in the first fall commencement since 1971. Walking on December 17 were graduates from the end of summer 2011 and fall semester 2011. The fall commencement has been revived due to student and parent request, and increasing enrollment at the university.

Receiving Ph.D. degrees from the department of Chemistry and Biochemistry were Anupama Aggarwal (advisor Ingrid Fritsch), Abigail Albright (advisor Bob Gawley), Timothy Kum Beng (advisor Bob Gawley), Aaron M. Beuterbaugh (advisor Neil Allison), Silvana Susana Dormi (advisor Matt McIntosh), Lindsay N. Rutherford (advisor Suresh-Kumar

Thallapuram) and William S. Tyree (advisor Bob Gawley)

Also walking were Nicole Vanderbush, Ph.D. (advisor Dan Davis) from CEMB, Mariana Lynn Hayes (B.A. Criminal Justice, minor in Social Work), daughter of David & Victoria Hayes, and Stephanie G. Adams, wife of Dr. Paul Adams, receiving her Doctor of Education under the direction of Dr. Michael T. Miller.



Professor Julie Stenken

Faculty News

Julie Stenken has been appointed to the Biomaterials and Biointerfaces (BMB) study section at the NIH. Her four year term runs July 1, 2012 through June 30, 2016. She will be serving "ad Hoc" on this panel in January in San Francisco.

Paul Adams was invited to serve on the Macromolecular Structure and Function B (MFSB) study section at the NIH.

Research News

"Treatment for Chemotherapy-induced Alopecia in Mice using

Parathyroid Hormone Agonists and Antagonists Linked to a Collagen Binding Domain," authored by R. Katikaneni, T. Ponnappakkam, H. Suda, S. Miyata, **J. Sakon**, O. Matsushita, and R.C. Gensure will be published in the journal *In. J. Cancer*, 2011 Nov. 30. doi: 10.1002/ijc.27379. [Epub ahead of print]

"Phosphatidylserine externalization and membrane blebbing are involved in the non-classical export of FGF1," authored by A. Kirov, H. Al-Hashimi, P.

Solomon, **T. Tran**, C. Mazur, P.E. Thorpe, P.J. Sims, F. Tarrantini, **T.K.S. Kumar** and I. Prudovsky will be published in the *J. Cell. Biochem.*, doi: 10/1002/jcb.23425.

"Cloning of WAP domain proteins," Book chapter in *Molecular Cloning-Selected Applications in Medicine & Biology*, Ed. G.B. Brown, pp 59-72, published by In Tech, NY, USA & Rijeka, Croatia. Authored by **S. Jayanthi, B. Kachel, J. Greer**, I. Prudovsky and **T.K.S. Kumar**.

Departmental Holiday Potluck

The department celebrated its annual Holiday Potluck on dead day, Dec. 9. Pictures are courtesy of Denise Greathouse.



Jennifer Gidden



Brian Walker and Kyla Morris



Jacqueline and Scott Morris



Eric Taylor, Bea Kachel, Roland Njabon, Leanne Mathurin, Barry Sharp and Cameron Crane

Student News—Fall Scholarships Awarded

Fall Scholarships were awarded to 29 undergraduate chemistry students, totaling more than \$36,000.

The Amis Scholarship, awarded to undergraduate chemistry and biochemistry majors, was given to **Timothy Burnside**. Timothy is a junior from Van Buren, Ark.

Receiving the Dupont Scholarship were seniors **Sara Schneider** and **Galen Tobey**. Sara is from Maumelle, Ark. and Galen is from Texarkana, Texas. The Dupont Scholarship is granted to students at any level who are Chemistry or Biochemistry majors. Selection is based upon the application, transcript, SAT/ACT scores, letters of recommendation and recommendations by the faculty of this department.

The Octa N. High Scholars are **Ann Johnson**, a junior from Fayetteville, Ark., **Shumon Hasan**, a senior

from Fayetteville, Ark., and senior **Ethan McBride**, also a Fayetteville resident.

The Fry Scholars are selected for their outstanding academic achievement in chemistry and biochemistry courses. Junior **Kelsey Sparks**, from Ward, Ark., and seniors **Anna Fielder** of Bella Vista, Ark. and **Ettore Rastelli** of Galveston, Texas were recognized.

The William Noyce scholarship is awarded based upon scholastic ability, professional promise, and financial need. Receiving this award were seniors **Ethan Latimer**, of Fayetteville, Ark., **Matthew McMahon**, of Carellton, Texas and **Devin O'Dea** from Tulsa, Okla. Receiving the Siegel Scholarship are seniors **Stephen Dalby**, from Little Rock Ark. and **Arshan Dehbozorgi**, from Joplin, Missouri.

The Chemistry and Biochemistry Department Scholarship was established to recognize outstanding, full time Chemistry and Biochemistry majors. Sophomores **Samuel McLelland** from North Little Rock, Ark., and **Joseph Plugge**, from Hartman, Ark. were recipients.

The Sacks Scholarship was awarded to seniors **Gayatri Suresh Kumar** of Fayetteville and **Ashely Rosenberg** of Englewood, Col.; juniors **Liselle Trim** and **Colby Smith** from Fayetteville, **Ross Harmon** of Fort Smith, Ark., **Casey Henderson** and **Alta Johnson**, both of Eureka Springs, Ark. and **Chase Ross** from Broken Arrow, Okla.; and sophomores **Sushanth Kumar** of Fayetteville and **Keaton Piper** from Springfield, Missouri. Congratulations to all awardees.



David Clay married Jenna Brie Conlon on October 29, 2011 at Miromar Lakes near Ft. Myers, Florida. Jenna is from Ridgefield, Connecticut and received her B.A. from Holy Cross in Worcester, Massachusetts in 2006. She majored in sociology and Spanish, and is now a marketing director at GE Capital. David is a Ph.D. candidate in the department of Chemistry and Biochemistry. His advisor is Matt McIntosh. He is from Rogers, Arkansas and received a B.A. from Hendrix College with a major in Biology.

Fry Memorial Service

The memorial service for University Professor Emeritus Art Fry will take place on February 19, 2012 at 2:00 p.m., in the Convocation Room at Butterfield Trail Village. Butterfield

Trail is located at 1923 E. Joyce Boulevard, Fayetteville, Arkansas 72703. There will be a buffet reception to follow, in the lobby. Dr. Fry passed away on August

23, 2011. He was 90 years old. Dr. Fry's last graduate student, Dr. Rabi Musah from the Univ. at Albany, plans on attending and will possibly present a department seminar while here.

News from Fulbright IT

Matt James will be interning in Fulbright IT from Northwest Technical Institute over the winter months. He arrived December 19th and will be here through mid-January. He's required to earn 160 hours of on-the-job-training in

order to graduate from his program. He will be learning the inner-workings of IT support, Smart Classroom assembly and support, as well as hardware and software setup. Please help him feel welcome!



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We're on the web!
Chemistry.uark.edu/4842.php
&
Department of Chemistry and
Biochemistry University of Arkansas

Safety Tip: By Bill Durham

Washing dishes
can be therapeutic. It gives you
time to consider
how best to proceed
and it clears the way
for that next step.


Department of Chemistry
and Biochemistry

Excellence in the Central Science

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.

CUME Dates 2011-2012

Fall

September 9
September 30
October 14
November 4
December 2

Spring

January 27
February 17
March 2
April 6
April 27

Calendar of Events

January

- 2 University closed
- 3 Organic Candidate Seminar
- 9 Organic Candidate Seminar
- 11-23 Open registration
- 12 Physical Chem Candidate Seminar
- 16 MLK Day, university closed
- 16 Last day to withdraw from all spring 2012 classes without penalty
- 17 Classes begin, spring 2012
- 17 Physical Chem Candidate Seminar
- 19 Physical Chem Candidate Seminar
- 23 Last day to register for a spring 2012 course
- 23 Dept. Seminar—Feng (Seymour) Wang, Boston Univ.
- 27 CUME
- 30 Last day to drop a full semester course without a "W"
- 31 Dept. Seminar—Aaron Aponick, U of FL

February

- 6 Dept. Seminar—Masaru Kuno, Univ. of Notre Dame
- 13 Dept. Seminar—Jiali Gao, Univ. of Minnesota
- 15 Defense deadline/turn in Dissertation to grad school to avoid having to register for spring classes
- 17 CUME
- 19 Art Fry Memorial Service, Butterfield Trail Village, Fayetteville
- 20 Org. Seminar—Rabi Musaf, Univ. at Albany (tentative)
- 21 Dept. Seminar—Steven Burke, Univ. of Wisconsin, Madison (Note Tuesday date)

Library Hours

CHBC Library (CHEM 225)
<http://libinfo.uark.edu/chemistry>
575-2557

Hours during winter break December 17—January 17

| | |
|-------------------------------|---------------------|
| Friday—Monday, Dec. 23-Jan. 2 | CLOSED |
| Tuesday—Friday, Jan. 3-6 | 8:00 a.m.—5:00 p.m. |
| Monday—Friday, Jan 9-13 | 8:00 a.m.—5:00 p.m. |
| Monday, Jan. 16 (MLK Day) | CLOSED |

Tuesday, Jan. 17 SPRING HOURS BEGIN

| | |
|---------------------|---------------------|
| Monday-Thursday | 8:00 a.m.—9:00 p.m. |
| Friday | 8:00 a.m.—6:00 p.m. |
| Saturday and Sunday | CLOSED |

