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Department of Chemistry and Physics

Departmental Newsletter
Volume 3 (Spring 2007)

New Hires

The 2006-2007 academic year has one of continued growth for the department. Dr. Rachel Smith will be joining our department starting in the Summer 2007 term. Her area of specialization is organic chemistry.

Dr. Teague Retires

Dr. Harold Teague retired this semester after 35 years of service to UNCP. A retirement party was held in his honor on April 25, during which he reflected upon his years of service. Special thanks should go to Jose D'Arruda and Carolyn Parsons for planning this event.



Dr. D'Arruda Wins BOG Award

Dr. Jose D'Arruda was awarded the coveted UNC Board of Governors Award for Teaching Excellence this semester. He has been a member of the faculty of The University of North Carolina at Pembroke for 32 years. Among other things, he founded the Region IV Science Fair in 1980 and remains a co-chair and was instrumental in the construction of the University's new observatory.



Student Awards

The student awards ceremony was held on April 04, 2007. Let us take the time to congratulate our award winners:

Megan Grimsley – American Institute of Chemists Outstanding Senior Award

James Smith – Professional Promise Award

Chad Riggsbee and Stephanie Baker – Continuing in Chemistry Award

Donna Gilchrist – CRC Freshman Chemistry Award

Kristen Arnett – Undergraduate Research Award

Brayam Pinilla - Outstanding Pre-Engineering Student Award

Sabrina Fletcher - Einstein Achievement in Physics

Spring 2007 Graduates

Due to continued growth at UNCP, the 2006-2007 academic year has so far given us one of our largest graduating classes. Let us take the time to honor these students for their achievements.

Saul Abarca	Jamie Harris	Dwight Oxendine
Charlotte Branch	Kayla Hunt	Laura Oxendine
Dezia Chavis	Ron Hunt	Indee Smith
Dominique Cooper	Amy Hutton	James Smith
Erica Dellinger	Adam Jernigan	Johnithan White
Sabrina Fletcher	Ashley Locklear	Melvin Woodland
Jamia Gaines-Paige	Ezra Locklear	
Megan Grimsley	Nefertari McKoy	
Jamie Hardee	Michael Messick	

Gamma Sigma Epsilon Inducts New Members

The Spring 2006 induction ceremony was held on Tuesday February 20. The following students were inducted into this prestigious honor society.

Amy Avirett	Sarah Hymbaugh	Lisa Walters
Ashley Chavis	William Joshua Johnson	Kelly Leanne Williamson
Lisa Devane	Joshua Locklear	Melvin Woodland
Sarah Gabell	Latasha Oxendine	
Jamie Harris	Chad Wesley Riggsbee	
Tracy Herring	James Sibbett	

UNCP Students Attend PURC Forum

A number of students from our department attended the first PURC (Pembroke Undergraduate Research and Creativity Center Advisory Council) forum, held on April 16, 2007. The students, with their presentation titles, are listed below.

Kristen Arnett (Dr. Paul Flowers)

Toward Development of a Fiber-Optic Spectroelectrochemical Fluorescence Sensor for in-situ Metal Ion Determinations

Stephanie Baker (Dr. Mark McClure)

Applications of Two-Dimensional NMR to the Study of Cobalt(III) Complexes Containing Tris(2-aminoethyl)amine and propylenediamine

Alex Britt (Dr. Cornelia Tirla)

Synthesis of a Novel Organic Ligand from Citric Acid to Chelate Copper Ion

Kalyn Dukes and Brian McMullen (Dr. Cornelia Tirla)
A Study of the [6+4] Cycloaddition Reaction

Jamie Hardee (Dr. Paul Flowers)
Development of a Sensitive Gas Chromatographic Method for the Determination of Atmospheric Carbon Dioxide

Adam Jernigan (Dr. Thomas Dooling)
The Detection of Radioisotopes Using a Thin Scintillating Fiber in a Spiral

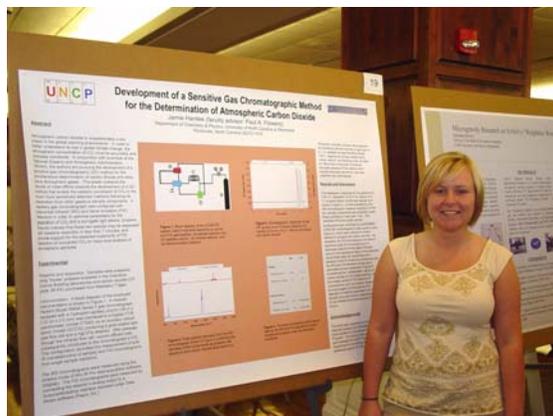
Joshua Locklear and Jamie Harris (Dr. Meredith Storms)
HPLC Determination of Metformin and Pioglitazone in Human Serum using Solid-Phase Extraction

Shannon Moynihan, Jessica Ortiz, and Melvin Woodland (Dr. Siva Mandjiny)
Production of Biodiesel from Vegetable Oil by Transesterification Process with Methanol

Some pictures from this event are attached below.



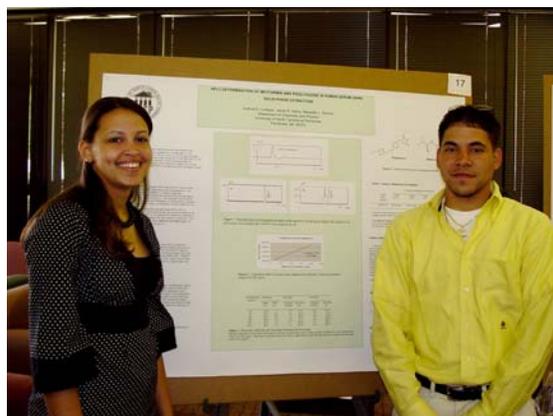
Melvin Woodland and Jessica Ortiz



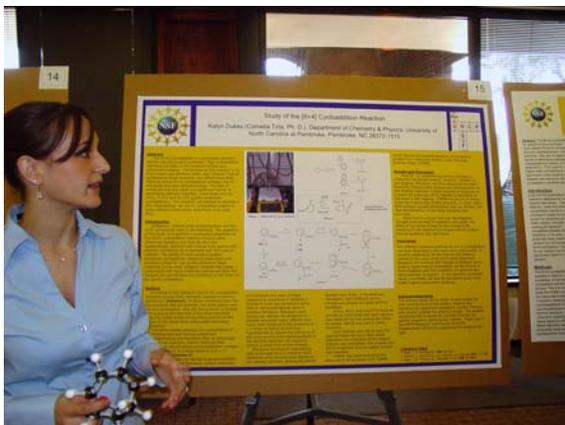
Jamie Hardee



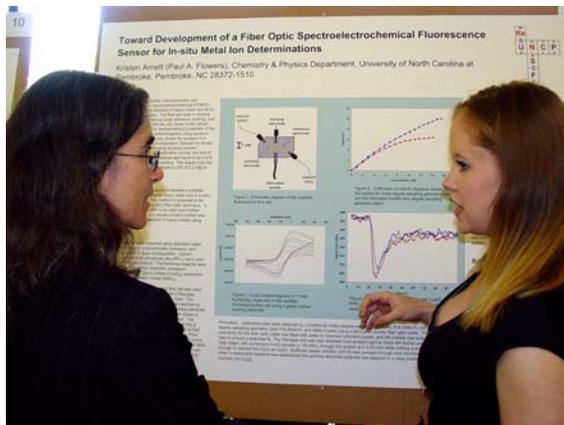
Stephanie Baker



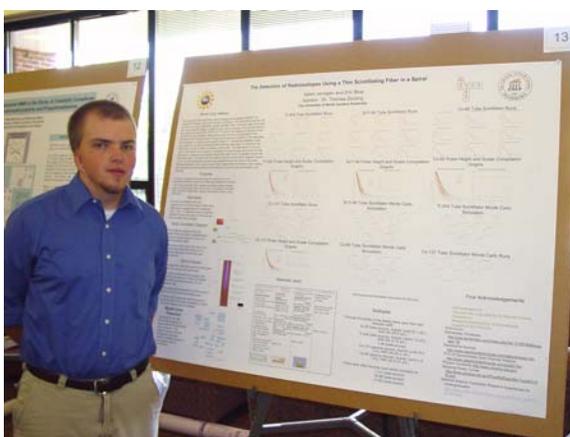
Jamie Harris and Joshua Locklear



Kalyn Dukes



Kristen Arnett



Adam Jernigan

UNCP Students attend “Research in the Capital”

A number of UNCP students attended “Research in the Capital” held in Raleigh on April 17. This event gave students the chance to present their research to state legislators. The students, with their presentation titles, are listed below.

Megan Grimsley and Tala Smith (Dr. Tim Ritter)
The Effects of Gravity on Enzyme Reaction Rates

Jason York and Michael Everhart (Dr. Jose D’Arruda)
Learning how to do CCD Photography in a Small College Observatory

Stephanie Baker (Dr. Mark McClure)
Applications of Two-Dimensional NMR to the Study of Cobalt(III) Complexes Containing Tris(2-aminoethyl)amine and ethylenediamine

Shown below are some pictures from this event.



Stephanie Baker



Tala Smith and Megan Grimsley



Michael Everhart



The Pembroke Crew

UNCP Student Kristen Arnett Presents Research at "Posters on the Hill"

Kristen Arnett was selected to represent UNCP at the NCUR (National Conference for Undergraduate Research) "Posters on the Hill" session in Washington DC this April. Shown on the right is her photo with North Carolina congressman Mike McIntyre. This is the first time a student from UNCP has been chosen to participate in this event.



Departmental Social

The department social honoring our graduating seniors was held on Wednesday, April 18. Special thanks should be extended to Shanna May Harrelson for planning the social, and to everyone who brought something. We had one of the best turnouts ever.



Dr. D'Arruda and Felicia Scott



Jamie Hardee



Nefertari McKoy and Shanna Harrelson



Tala Smith, Joshua Locklear, and Jamie Harris



Dominique Cooper



Sabrina Fletcher, Mike Everhart,
Dr. Tim Ritter, and Dr. Thomas Dooling



The Spring 2007 Instrumental Analysis Class



The Spring 2007 Seniors

A Note to Our Graduates (Present and Past)

If you are a graduate of the UNCP department of chemistry and physics, we want to hear from you! Please contact Shanna Harrelson (maysm@uncp.edu) and let us know where you are and what you are doing.