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## NEWSLETTER



September  
2017

Chemistry and Physics Department, Oxendine Science Building – Room 3101, Pembroke, NC 28372  
[chem\\_phy@uncp.edu](mailto:chem_phy@uncp.edu) 910/521-6247

### **DR. TIM RITTER**

Dr. Ritter visited the department on September 1<sup>st</sup>. Everyone was glad to see and visit with him at the pizza luncheon. We were glad you were able to make the trip, Dr. Ritter. We miss you.



### **DEPARTMENT LUNCHEON for DR. QUINTON RICE**

Starting off the new semester, the faculty and staff had lunch together in welcoming our newest member, Dr. Quinton Rice – Assistant Professor of Physics, on September 6<sup>th</sup>. It was a great time for fellowship and enjoying a delicious meal of fried chicken, bar-b-que, and all of the fixings.





**8<sup>th</sup> INTERNATIONAL SCIENTIFIC FORUM, ISF CONFERENCE 2017**

INTERNATIONAL SCIENTIFIC FORUM  
**ISF 2017**  
UNIVERSITY OF NORTH CAROLINA AT  
PEMBROKE, USA  
7-8 SEPTEMBER 2017  
BY EUROPEAN SCIENTIFIC INSTITUTE, ESI  
[WWW.EUINSTITUTE.NET](http://WWW.EUINSTITUTE.NET) [WWW.EUJOURNAL.ORG](http://WWW.EUJOURNAL.ORG)

The organizing committee, Dr. Leonard Holmes and Mr. Devang Upadhyay did an excellent job in organizing the ISF International conference at UNC Pembroke on September 7<sup>th</sup>. Several faculty members of our department and faculty members of our University gave presentations at this conference. A special “thank you” goes to Dr. Jeff Frederick for his support and his wonderful welcome remarks and subsequent presentation. Congratulations to all. Job well done!



Dr. Jeff Frederick



Dr. Ben Bahr



Dr. Bill Brandon



Dr. Leonard Holmes



Mr. Devang Upadhyay



Dr. Rachel Smith



Dr. Cornelia Tirla

Congratulations to each and every one who participated in the conference. Job well done Dr. Frederick, Dr. Holmes and Mr. Upadhyay.





## ***THE VHX-6000 DIGITAL MICROSCOPE SYSTEM***

Dr. Paul Flowers did a demonstration on the VHX-6000 digital microscope system on Thursday, September 21<sup>st</sup> at 9:00 a.m. which was hosted by Bryce Thompson, the Digital Microscope Team of KEYENCE Corporation of America. The invitation went out to anyone who would be interested in seeing the demo. The VHX-6000 Digital Microscope System is very versatile. It bridges the gap between your stereoscope, metallurgical microscope, measuring microscope & SEM.

- Magnification range of 0.1x – 5000x.
- 20 times greater Depth Of Field than conventional microscopes
- 2D & 3D measurement capabilities
- Live Depth-Up Z-Scan
- Surface Profiles
- Particle counting/ ISO-16232 / ASTM Grain Size
- High Speed image stitching 100mm x 100mm
- Ring, Coaxial, and Transmitted light options

Thank you, Dr. Flowers, for the demonstration.



## ***SEMINAR at UNCP BIOTECH CENTER***

On September 21, 2017 at 3:00 pm, Dr. Ben Bahr, Biotechnology Research and Training Center, hosted a seminar on ***MODELING ALZHEIMER'S DISEASE FOLLOWING TRAUMATIC MECHANICAL INJURY OF HUMAM iPSC- DERIVED NEURONS***. The guest speaker was Rodrigo dos Santos Chaves, Ph.D., Sanford Consortium for Regenerative Medicine from the University of California, San Diego.



**Seminar at Biotech Center  
September 21 , 2017 3:00 pm**

***MODELING ALZHEIMER'S DISEASE  
FOLLOWING TRAUMATIC MECHANICAL  
INJURY OF HUMAM iPSC- DERIVED NEURONS***

*Rodrigo dos Santos Chaves, Ph.D.*

Sanford Consortium for Regenerative Medicine  
University of California, San Diego

Host: Karen LG Farizzato, Ph.D.

## SCIENCE EXPO

UNCP and the UNC Morehead Planetarium and Science Center present:

# Science EXPO

Sept. 23, 2017

1-4 p.m.

UC Annex Lawn



Carnival-style Community Event for ALL AGES!



COLLEGE OF ARTS  
AND SCIENCES



UNC  
MOREHEAD PLANETARIUM  
AND SCIENCE CENTER

IMPACTS

NORTH CAROLINA  
GlaxoSmithKline  
FOUNDATION



### **CHEMISTRY MERIT BADGE CLASS**

On September 23<sup>rd</sup>, Dr. Benjamin Killian spent time with the Chemistry Merit Badge Class in the science lab. He is doing many great things with the scouts.



## ***ANNUAL PEMBROKE DAY***

The 28<sup>th</sup> Annual Pembroke Day was held on September 27<sup>th</sup> from 10 a.m. - 2 p.m. The activities took place on the Quad. Everyone showed the Brave Spirit. There were many clubs, student organizations showcases, and vendors. Free lunch, health screenings, more than 100 businesses, non-profits, healthcare agencies, and entertainment was part of this event.

