Research News: 2010, no. 2

University of Mississippi. School of Pharmacy

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TO: All School of Pharmacy and USDA Personnel

FROM: Charles D. Hufford, Associate Dean for Research and Graduate Programs

DATE: December 10, 2010

SUBJECT: Research News #2

The following GRANTS/CONTRACTS have recently been awarded:

1. Dr. Benjamin Banahan (P.I.-CPMM/RIPS), Dr. Yi Yang (Co-P.I.-Pharmacy Administration), Dr. John Bentley (Co-P.I.-Pharmacy Administration), and Dr. Patrick Pace (Co-P.I.-CPMM/RIPS). Database Study to Evaluate the Impact of Multiple Sclerosis in a Medicare Patient Population (EMD Serono, Inc.), $115,100, July 23, 2010-July 22, 2012.

2. Dr. Alicia Bouldin (P.I.-Pharmacy Administration), Dr. David McCaffrey (Co-P.I.-Pharmacy Administration), and Dr. Donna West-Strum (Co-P.I.-Pharmacy Administration). NCPA Survey: A Description of Consumers’ Experiences with Retail and Mail Order Pharmacy (National Community Pharmacists Association), $28,112, July 1, 2010-June 30, 2011.


7. Dr. Raymond Highsmith (P.I.-NIUST), Dr. Marc Slattery (Co-P.I.-Pharmacognosy), and Dr. Carol Lutken (Co-P.I.-Mississippi Mineral Resources Institute). NIUST Integrated Research and Technology Development: Year Four Science Plan and Budget FY 2010 (U.S. Department of Commerce, NOAA), $4,873,000, October 1, 2010-September 30, 2011.
8. **Dr. Melissa Jacob** (P.I.- NCNPR). Development of New Agents Against Cryptococcal Infections (Florida Agricultural and Mechanical University/NIH), $12,875, June 1, 2010-May 31, 2011.

9. **Dr. Seongbong Jo** (P.I.-Pharmaceutics). Hypoxia-Sensitive Multifunctional Nanoparticles for Targeted Drug Delivery to Breast Cancer (U.S. Army Medical Research Acquisition Activity), $107,131, September 1, 2010-August 31, 2011.


11. **Dr. Susan Manley** (P.I.- NCNPR), and **Dr. M. Khalid Ashfaq** (Co-P.I.- NCNPR). Production of Tolerance and Desensitization to Poison Ivy Urushiol – Year 2 (ElSohly Laboratories, Inc./NIH/National Institute of Arthritis and Musculoskeletal and Skin Disease), $158,217, September 1, 2010-August 31, 2011.


14. **Dr. Michael Repka** (P.I.-Pharmaceutics), and **Dr. Soumyajit Majumdar** (Co-P.I.-Pharmaceutics). Center for Thermal Pharmaceutical Processing FY10-11 (Department of Health and Human Services, Health Resources and Services Administration [HRSA]), $594,000, September 1, 2010-August 31, 2012.


16. **Dr. Michael Repka** (P.I.-Pharmaceutics), and **Dr. Soumyajit Majumdar** (Co-P.I.-Pharmaceutics). Transmucosal Intra-Oral Drug Delivery Systems for THC – Supplement (ElSohly Laboratories, Inc./NIH), $51,354, June 1, 2010-May 31, 2011.

17. **Dr. Daniel Riche** (P.I.-Pharmacy Practice). Effect of Pterostilbene on Cholesterol, Blood Pressure, and Oxidative Stress (ChromaDex, Inc.), $76,473, August 1, 2010-March 31, 2012.


19. **Dr. Leigh Ann Ross** (P.I.-Pharmacy Practice). University of Mississippi, School of Pharmacy and Baptist Memorial Hospital/North Mississippi Agreement FY10-11 (Baptist Memorial Hospital/North Mississippi), $73,530, August 3, 2010-August 2, 2011.

20. **Dr. Leigh Ann Ross** (P.I.-Pharmacy Practice), **Dr. Barbara Wells** (Co-P.I.-Dean’s Office), and **Dr. Lauren Bloodworth** (Co-P.I.-Pharmacy Practice). Delta Pharmacy Patient Care Management Project (Delta Health Alliance/HRSA), $1,500,000, July 1, 2010-June 30, 2011.


22. **Dr. Leigh Ann Ross** (P.I.-Pharmacy Practice), and **Dr. Lauren Bloodworth** (Co-P.I.-Pharmacy Practice). Better Living Utilizing Electronic Systems (BLUES) in the Mississippi Delta (Delta Health Alliance/U.S. Department of Health and Human Services), $500,000, April 1, 2010-March 31, 2013.
23. **Dr. James Sims** (P.I.-Pharmacognosy). Biosynthetic Routes to Drug Development for AIDS Ol Mt – Year 2 (NIH/National Institute of Allergy and Infectious Diseases), $47,606, September 11, 2010-September 1, 2011.

24. Dr. Gregory Tschumper (P.I.-Chemistry), Dr. Amal Dass, Dr. Nathan Hammer, Dr. Keith Hollis, Dr. Randy Wadkins (Co-P.I.’s.-Chemistry); Dr. Yixin Chen (Co-P.I.-Computer and Information Science); **Dr. Robert Doerksen** (Co-P.I.-Medicinal Chemistry); and Dr. Maxine Harper (Co-P.I.-Center for Educational Research and Evaluation). Modeling and Simulation of Complex Systems (Mississippi State University/National Science Foundation), $375,125, September 1, 2009-August 31, 2011.


27. **Dean Barbara Wells** (P.I.-Pharmacy). Walgreens Diversity Scholarship 2010-2012 (Walgreens), $10,000, November 18, 2010-November 17, 2012.


The following **PUBLICATIONS** have appeared:


64. Wei Wang, Zulfiqar Ali, Xing-Cong Li, Yunheng Shen, and Ikhlas A. Khan, “18,19-Secooleanane Type Triterpene Glycosyl Esters from the Bark of *Terminalia arjuna*”, *Planta Med.*, 76 (2010) 903-908.


**TECHNOLOGY TRANSFER** transactions:

(Or the interest of protecting confidential information, the names and titles associated with School of Pharmacy invention disclosures and patent applications will no longer be published until after a patent has issued.)

Research Disclosures Filed since July, 2010: 1

U. S. Patent Applications Pending: 22

Recent U. S. Patents Granted: 1

*High Molecular Weight Polysaccharide from Aloe Vera with Immunostimulatory Activity [CON];* 7,767,655, issued 8/3/10,

Inventors: David Pasco, Nirmal Pugh, Mahmoud ElSohly, Samir Ross

The following **SPECIAL ANNOUNCEMENTS** are also listed:

- **Dr. Daneel Ferreira** received the International Tannin Award at the 7th Tannin Conference/GA Joint Meeting in Berlin. The award is in recognition of his life-long contributions to the chemistry of condensed tannins (proanthocyanidins).
• **Dr. Ikhlás Khan** was recently awarded Guest Professorship at the University of Soochowin and Heilongjiang University of Chinese Medicine. **Dr. Khan** was also elected as Vice Chairman (TCM Pharmaceutical Analysis) of World Federation of Chinese Medicine Societies.


• **Dr. Larry Walker** and **Dr. Babu Tekwani** traveled to Geneva, Switzerland, in September to present some of their research team’s work to the Expert Scientific Advisory Committee of the Medicines for Malaria Venture. The researchers hope to continue to receive funding for their project, which focuses on reducing the toxicity of Primaquine.


Please continue to send me important research and graduate information so that I might share it with your faculty colleagues.

cc:    Dean Barbara G. Wells  
       Ms. Dabney Weems  
       Dr. Robin Buchannon, Office of Research