Research News: 2004, no. 2

University of Mississippi. School of Pharmacy

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The University of Mississippi

Interoffice Memorandum

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TO: All School of Pharmacy Personnel
FROM: Charles D. Hufford, Associate Dean for Research and Graduate Programs
DATE: July 28, 2004
SUBJECT: Research News (# 2)

The following GRANTS/CONTRACTS have recently been awarded:
2. **Dr. Joseph Byrd** (P.I. – Pharmacy Practice) – Agreement for Teaching, Patient Care and Clinical Research Services (University of Mississippi Medical Center Department of Pediatrics), $22,008.00 – July 1, 2004-June 30, 2005.
4. **Dr. Dale Nagle** (P.I. – Pharmacognosy); **Dr. Yu-Dong Zhou** (Co-P.I. – RIPS/NCNPR); **Dr. Xing-Cong Li** (Co-P.I. – RIPS/NCNPR); and **Dr. Ameeta Agarwal** (Co-P.I. – RIPS/NCNPR) – Anticancer Drug Discovery that Targets Tumor Hypoxia (National Institutes of Health/National Cancer Institute), $264,758.00 – April 1, 2004-March 31, 2005.
5. **Dr. Dhammika Nanayakkara** (P.I. – RIPS/NCNPR) and **Dr. Babu Tekwani** (Co-P.I. – RIPS/NCNPR) – New Antimalarials from Plant-Pathogenic Fungi (National Institutes of Health), $211,945.00 – June 1, 2004-May 31, 2005.
7. **Dr. Michael Repka** (P.I. – Pharmaceutics) and **Dr. Steven Stodghill** (Co-P.I. – Pharmaceutics) – Antifungal Denture Adhesive Film for Oral and Pharyngeal Candidiasis (National Institutes of Health/Small Business Innovation Research/MIKKUR, Inc.), $39,240.00 – March 1, 2004-February 28, 2005.
8. **Dr. Marc Slattery** (P.I. – Pharmacognosy) – Chemical Mixtures: Consequences of WNV Eradication on Water Quality (Mississippi State University/U.S. Geological Survey), $16,540.00 – March 1, 2003 (Modified May, 2004).


10. **Dr. Larry Walker** (P.I. – RIPS/NCNPR), **Dr. Walter Chambliss** (Co-P.I. – RIPS/NCNPR) and **Dr. Marc Slattery** (P.I. – Pharmacognosy) – New Drugs from Marine Natural Resources of Jamaican Reefs (National Institutes of Health/International Cooperative Biodiversity Groups), $181,947.00 – May 1, 2004-April 30, 2005.

11. **Dr. Sean Wilson** (P.I. – Pharmacology) – Asthma and EC Coupling in Airway Smooth Muscle Cells (National Institutes of Health/National Institute of Allergy and Infectious Diseases), $72,500.00 – August 1, 2004-July 30, 2005.

12. **Dr. Sean Wilson** (P.I. – Pharmacology) – Asthma and EC Coupling in Airway Smooth Muscle Cells (National Institutes of Health/National Institute of Allergy and Infectious Diseases), $39,212.00 – August 1, 2004-July 30, 2005.

The following **PUBLICATIONS** have appeared:


46. R. Worthy, Deborah King and Thomas Harrell – “Morton Middle School Fifth Grade versus Forest Middle School Fifth Grade: Which School has the Higher Blood Pressures, Height Percentiles, and BMI Percentiles?”, *Ninth Annual SHRP Research*, 2004.


**TECHNOLOGY TRANSFER transactions:**

(In 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.)

- Invention Disclosures Filed in 2004: 6
- Patent Applications Pending: 31
- Recent Patents Granted: 0
The following SPECIAL ANNOUNCEMENTS are also listed:

- **Dr. Hemant Lata** (NCNPR) was the invited speaker for EMBRAPA, Brazilian Ministry of Agriculture, July 8, 2004. **Dr. Lata** also was featured for her research on *Podophyllum peltatum* during a broadcast on Mississippi Public Broadcasting Channel, June 8, 2004. This was a collaboration of the Agronomy laboratory at NCNPR and Mississippi State University.

- Two University of Mississippi graduate students have been honored by the America Society of Pharmacognosy and will present their work at the 2004 International Congress on Natural Products Research in Phoenix, Arizona:
  - **Kaleem A. Mohammed** was awarded the 2004 Graduate Student Award, which is presented to one student each year and consists of a cash award plus travel expenses to the annual meeting. Mr. Mohammed’s research project is "Laurenditerpenol, a New Diterpene from the Tropical Marine Alga *Laurencia intricata* Potently Inhibits HIF-1 Activation-Mediated Hypoxic Signaling in Breast Tumor Cells."
  - **Flor Mora** received an ASP Travel Award to attend the annual meeting and allow her to present her work: "Physalins Activate Peroxisome Proliferator-Activated Receptor-γ (PPARγ) in Breast Tumor Cells." Mr. Mohammed and Ms. Mora are Pharmacognosy Graduate Students working on Ph.D. degrees under the supervision of **Dr. Dale Nagle**.

- The University of Mississippi chapter of Sigma Xi, the Scientific Research Society, hosted a Student Research Poster Symposium in April 2004. Two Pharmacology graduate students were chosen as award winners:
  - **Heather Webb** – Health Science division and **Amit Chaudhary** – Biological Sciences division. Each winner received a plaque recognizing their “Best in Category” award, as well as a one-year membership in the national Sigma Xi organization, sponsored by the local chapter. Ms. Webb is working on a Ph.D. degree under the supervision of **Dr. Anthony Verlangieri**. Mr. Chaudhary is working on a Ph.D. degree under the supervision of **Dr. Kristine Willett**.

Please continue to send me important research and graduate information so that I might share it with your faculty colleagues. **THIS INFORMATION IS NOW BEING POSTED ON THE SCHOOL OF PHARMACY WEB PAGE!** Thank you.

**cc:** Dean Barbara G. Wells
Ms. Dabney Weems