Interoffice Memorandum
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TO: All School of Pharmacy Personnel
FROM: Charles D. Hufford, Associate Dean for Research and Graduate Programs
DATE: January 21, 2003
SUBJECT: Research News (#1)

The following GRANTS/CONTRACTS have recently been awarded:

1. **Dr. Kim Adcock** (P.I. – Pharmacy Practice) – The Effects of Inhaled Fluticasone on Inflammatory Mediators in Neonates at Risk for Chronic Lung Disease (American College of Clinical Pharmacy – Aventis Allergy/Asthma Research) - $2,402.00.

2. **Dr. Charles Burandt** (P.I. – RIPS/NCNPR) and **Mr. Greg Swain** (Co-P.I. – RIPS/NCNPR) – Cultivation of Medicinal Plants on Small Mississippi Farms (Alcorn State University) - $100,000.00 – July 1, 2002-June 30, 2005.

3. **Dr. Joseph Byrd** (P.I. – Pharmacy Practice) – Agreement for Teaching, Patient Care and Clinical Research: Dr. Deborah King (University of Mississippi Internal Medicine Associates) – $12,000.00 – January 1, 2003-December 31, 2003.


5. **Dr. Mark Hamann** (P.I. – Pharmacognosy) – Unrestricted Research on Marine Natural Products (Sequoia Sciences) – $3,000.00 – December 1, 2002-November 30, 2003.

6. **Dr. Mark Hamann** (P.I. – Pharmacognosy) – Marine Natural, Semisynthetic and Synthetic Products as Leads for Drug Discovery Oncology (PharmaMar) - $78,750.00 – October 1, 2002-September 30, 2003.


8. **Dr. Rita Moraes** (P.I. – RIPS/NCNPR) –American Mayapple and Eastern Red Cedar as Potential Domestic Sources of the Anti-Cancer Compound Podophyllotoxin (Mississippi State University/U.S. Department of Agriculture) - $53,438.00.

10. **Dr. John Schetz** (P.I. – Pharmacology) – Drug Interaction Sites on Dopamine and Serotonin Receptors (University of Mississippi Medical Center/National Institutes of Health/COBRE) - $230,827.00 – June 1, 2002-June 1, 2003.

11. **Dr. Larry Walker** (P.I. – RIPS/NCNPR) – Natural Products Acting via New Anti-Fungal Targets (Georgetown University/National Institutes of Health) - $303,715.00 – May 1, 2002-April 30, 2003.


13. **Dr. Kristine Willett** (P.I. – Pharmacology) – Characterization of Flavonoids’ Ability to Decrease CYP1B1 Activity (American Association of Colleges of Pharmacy/New Investigators Program) - $10,000 – December 1, 2002-November 30, 2003.


15. **Dr. Jordan Zjawiony** (P.I.- Pharmacognosy) – Contract for Student Participation on “Neuroendocrinology of the Skin and Connective Tissue: Steroidogenesis” Project (University of Tennessee/National Institutes of Health) - $4,800.00 – October 1, 2002-July 31, 2003.

16. **Dr. Jordan Zjawiony** (P.I.- Pharmacognosy) – High Performance Liquid Chromatograph for Research on Utilization of Natural Products in Agriculture and Forestry (U.S. Department of Agriculture) - $25,000.00 – July 1, 2002-December 31, 2002.

The following PUBLICATIONS have appeared:


**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 2002: | 10 |
| US Patent Applications Pending: | 16 |
| Recent Patents Granted: | N/A |
| Patents Recently Assigned to UM: | • PATENT NUMBER: 6,087,385 |
| | • PATENT TITLE: Flavonoid derivatives |
| | • INVENTORS: Pershadsingh; Harrihar A., **Avery; Mitchell A.** |
| | • PATENT NUMBER: 6,204,288 |
| | • PATENT TITLE: 1,2-Dithiolane Derivatives |
| | • INVENTORS: Pershadsingh; Harrihar A., **Avery; Mitchell A.** |
| | • PATENT NUMBER: 6,353,011 |
| | • PATENT TITLE: 1,2-Dithiolane Derivatives |
| | • INVENTORS: Pershadsingh; Harrihar A., **Avery; Mitchell A.** |
| | • PATENT NUMBER: 6,369,098 |
| | • PATENT TITLE: Dithiolane derivatives |
| | • INVENTORS: Pershadsingh; Harrihar A., **Avery; Mitchell A.** |

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

- **Dr. Walter Chambliss** was elected Fellow of the American Pharmaceutical Association and will be recognized at the APhA Annual Meeting in March 2003.
- **Dr. Mahmoud ElSohly** was presented the 2002 Distinguished Alumni Award by the University of Pittsburgh.
- **Dr. Leigh Ann Ramsey**, Assistant Professor of Pharmacy Practice, has recently been notified by the Board of Pharmaceutical Specialties (BPS) that she passed the board certification exam in Pharmacotherapy. Effective January 1, 2003, she became the fourth full-time, regular faculty member of the School of Pharmacy to become credentialed as a Specialist by the BPS. Only 2,068
In the country are credentialed in this specialty area. Leigh Ann practices at the Pharmaceutical Care Clinic at the Jackson Medical Mall.

- Faculty and Students of the Pharmaceutics Department made presentations at the Annual Meeting of the American Association of Pharmaceutical Scientists in Toronto, Canada - November 10-14, 2002. This is the most important meeting for the Pharmaceutics discipline, with approximately 10,000 in attendance. The department was well represented in a variety of research areas covered by the presentations as shown below:
  
  
  
  
  
e. **S. Prodduturi and M.A. Repka** – “Drug Content and Adhesive Uniformity of Hot-Melt Extruded Hydroxypropyl Cellulose Films Containing Clotrimazole”
  
  
g. **S. P. Stodghill and N. Pavuluri** – “Thermal Analytical Methods in the Physical Characterization of Select Nutraceuticals”
  
h. **C. Illapakurthy and C. M. Wyandt** – “Competitive Inclusion Comlexation in a Weak Acid/Drug/Cyclodextrin System at Different pHs”
  
i. **C. Illapakurthy, Y. A. Sabnis, S. P. Stodghill, and C. M. Wyandt** – “Prediction of Comlexation Free Energies Between Various Drugs and Hydroxypropyl Beta Cyclodextrin Using Molecular Modeling”
  
j. **S. Cheboyina and C. M. Wyandt** – “Freeze Pelletization Technique for the Preparation of Oral Immediate and Controlled Release Matrix Pellets”
  
k. **V. S. Rudraraju and C. M. Wyandt** – “Rheological Characterization of Microcrystalline Cellulose/Sodium Carboxymethylcellulose Hydrogels: Cause of Thixotropy”
  
l. **V. S. Rudraraju and C. M. Wyandt** – “Rheological Characterization of Thixotropic Hydrogels: Shear Thinning Behavior”
  
  
n. **K. Dutta, B. A. Avery and C. M. Wyandt** – “Preformulation Evaluation of a Novel Antimalarial Drug”.

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