TO: All School of Pharmacy Personnel

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

DATE: May 17, 2001

SUBJECT: Research News (#2)

The following GRANTS/CONTRACTS have recently been awarded:

1. Dr. Alice Clark (P.I. – RIPS/NCNPR) and Dr. Larry Walker (Co-P.I. - RIPS/NCNPR) – Development of Natural Products from Plants and Microbes for Replacement of Synthetic Pesticides (Amendment 7) (USDA), $1,673,161 – 2001.

2. Dr. Mahmoud ElSohly (P.I. – RIPS/NCNPR) and Dr. Samir Ross (Co-P.I. – RIPS/NCNPR) – Production, Analysis and Distribution of Cannabis and Marijuana Cigarettes (Amendment 3) (NIDA), $809,361 – 12/1/00-11/30/01.

3. Dr. Mahmoud ElSohly (P.I. – RIPS/NCNPR) and Dr. Samir Ross (Co-P.I. – RIPS/NCNPR) – Production, Analysis and Distribution of Cannabis and Marijuana Cigarettes (Modification 4) (NIDA), $162,212 – 12/1/00-11/30/01.

4. Dr. Mahmoud ElSohly (P.I. – RIPS/NCNPR), Dr. Larry Walker (Co-P.I. – RIPS/NCNPR) and Dr. Ikhlas Khan (Co-P.I. – RIPS/NCNPR) – Appropriate Quality Control Procedures of Herbal Drugs in Egypt (USAID Funds via Foreign Relations Coordination Unit, Egypt), $40,000.

5. Dr. Christy Foran (P.I. - RIPS/ECHR) – Use of a Transgenerational Model to Evaluate Threshold Effects of Endocrine Disrupting Chemicals (U.S. Environmental Protection Agency), $127,773.

6. Dr. Mark Hamann (P.I. - Pharmacognosy) – A Sponge Taxonomy Workshop and Novel Approaches to the Classification of Species in the Phylum Porifera (Mississippi/Alabama Sea Grant College Program), $2500.

7. Dr. Charles Hufford (P.I. – RIPS/NCNPR) – NMR Spectral Data for King Saud University (King Saud University), $10,000.

9. **Dr. Dale Nagle** (P.I. – Pharmacognosy) - Control of Blue-green Algae in Aquaculture Ponds (Year 3) (Mississippi State University/Southern Regional Aquaculture Center), $20,000.

10. **Dr. Dale Nagle** (P.I. – Pharmacognosy) - Discovery of New Drugs that Target Hypoxic Breast Tumor Cells (U.S. Army Medical Research Acquisition Activity Award), $72,000.

11. **Dr. John Rimoldi** (P.I. – Medicinal Chemistry) – Computer Software Predictor of Physiochemical Parameters: An Alternative to Laboratory Experiments (UM Educational Technology Grant Program), $2350.

12. **Dr. David Rogers** (P.I. – Pharmacy Practice) – Molecular Mechanisms of Echinocandin Antifungal Resistance in a Saccharomyces Cerevisiae Model (Merck & Co., Inc.), $23, 250 – 10/00-10/01.


14. **Dr. Marc Slattery** (P.I. – Pharmacognosy) – Hybridization of Soft Corals – Combinational Genetics & Drug Discovery (Mississippi/Alabama Sea Grant College Program), $15,233 – 12/00-12/01.

15. **Dr. Mickey Smith** (P.I. – Pharmacy Administration) – Diversity Recruitment Initiative (Pfizer, Inc.), $9,224 – 2/01-12/01.

16. **Dr. Larry Walker** (P.I. – NCNPR) and **Dr. Alice Clark** (Co-P.I. – NCNPR) – Natural Products Acting via New Anti-Fungal Targets (Modification 1) (Georgetown University/National Cancer Institute), $168,744.


18. **Dr. John Williamson** (P.I. – Medicinal Chemistry) – UM’s Biomedical Research Internship Program (National Institute of General Medical Sciences), $175,636 – 2/01-1/02.

19. **Dr. John Williamson** (P.I. – Medicinal Chemistry) – Multimedia Tool Box for Science-Related Courses (UM Educational Technology Grant Program), $5500.

20. **Dr. Yu-Dong Zhou** (P.I. – RIPS/NCNPR) – Natural Products as Modulators of Therapeutic Angiogenesis in Ischemic Diseases (American Society of Pharmacognosy Research Starter Grant), $7500.

21. **Dr. Jordan Zjawiony** (P.I. – Pharmacognosy) and **Dr. Mark Hamann** (Co-P.I. – Pharmacognosy) – Design and Synthesis of New Anticancer and Antitubercular Agents Based on Marine Natural Product, puupehenone (Mississippi/Alabama Sea Grant Consortium), $49,968 – 2/01-1/04.

The following **PUBLICATIONS** have appeared:


The following **TECHNOLOGY TRANSFER** transactions have occurred:

In the interest of protecting confidential information, the titles of invention disclosures and patent applications will not be published until after a patent has issued. Inventors outside of the School of Pharmacy will not be published until after a patent has issued.

**INVENTION DISCLOSURES FILED IN 2001**
- Michael Repka, Mahmoud ElSohly et. al.

**PATENT APPLICATIONS PENDING**
- Ghandehari et. al.
- David Pasco, Nirmal Pugh, Mahmoud ElSohly, Samir Ross
- David Pasco, Nirmal Pugh, Mahmoud ElSohly, Samir Ross
- Mark Hamann, Khalid ElSayed, et. al.
- Mitchell A. Avery
- Mitchell A. Avery et. al.
- Mahmoud ElSohly, Samir Ross, et. al.
- N. P. Dhammika Nanayakkara et. al.

**RECENT PATENTS GRANTED:**

“Method of Screening Agents as Candidates for Drugs or Sources of Drugs”
David Pasco et. al..
USSN: 09/355,940
Issued: March 13, 2001

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

- Jean Baker has been elected to the University’s Staff Council as a representative for a three year term, ending in February 2004.
- Dr. Walt Chambliss was selected by the Office of the Inspector General of the American Pharmaceutical Association to participate in a focus group during the APhA Meeting in San Francisco in March. The Office of the Inspector General is conducting a study, in cooperation with the FDA, on the extent to which product labeling serves as a safeguard for the elderly taking dietary supplements.
- Dr. Steve Duke was named Outstanding Senior Research Scientist of 2000 by the Agricultural Research Service, chief scientific research agency of the U.S. Dept. of Agriculture.
- Dr. Melissa Flagg, Post Doctoral Research Associate, has been selected as an American Association for the Advancement of Science Fellow in the Office of the Science and Technology Advisor to the Secretary of State in the U.S. State Department, effective September 2001.
• Dr. Mark Hamann has been selected to receive the Outstanding Researcher Award in the School of Pharmacy for 2001.
• Dr. Ikhlas Khan has been selected as guest co-editor from the USA for a special issue of *J. Chromatography B*. He was also chosen as a participant in the two WHO Meetings to be held in Canada in July, 2001.
• Deborah Lincoln, Undergraduate Student, has been awarded an American Society of Pharmacognosy Undergraduate Research Grant in the amount of $2500 to pursue her studies on molecular modeling.
• Vernon Rayford, Undergraduate Student, has been awarded a Goldwater Scholarship.
• The 2001 Graduate Student Achievement Awards were presented to Nirmal D. C. Pugh (Pharmacognosy) and Saurabh S. Sewak (Pharmacy Administration).

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:   Interim Dean Robert D. Sindelar  
      Dean Designate Barbara G. Wells  
      Ms. Barbara Lago  
      Ms. Beverly Urbanek  
      Ms. Dabney Weems