TO: All School of Pharmacy Personnel

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

DATE: June 27, 2002

SUBJECT: Research News (#2)

The following GRANTS/CONTRACTS have recently been awarded:

3. **Dr. Deborah Gochfeld** (P.I. – RIPS/NCNPR) – Antimicrobial Activity of Scleractinian Corals (University of Mississippi Faculty Small Grants), $3,000, 2002.
6. **Dr. Christopher McCurdy** (P.I. – Medicinal Chemistry) – Design and Synthesis of ORL-1 Receptor Ligands (University of Mississippi Faculty Small Grants), $5,000, 2002.
8. **Dr. Michael Repka** (P.I. – Pharmaceutics) – Trans-Nail Patch Matrix System for Delivery of Antifungal Medicaments (University of Mississippi Faculty Small Grants), $5,000, 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:  3
U.S. Patent Applications Pending:  10
Recent Patents Granted: Patent #: 6,365,416
“How Method of Preparing Delta-9-Tetrahydoncannabinol”
Dr. Mahmoud ElSohly and Dr. Samir Ross
Issued: April 2, 2002

Patent #: 6,376,511
“8-Aminoquinolines”
Dr. Dhammika Nanayakkara
Issued: April 23, 2002

The following SPECIAL ANNOUNCEMENTS are also listed:

- Dr. Mary Haasch served as a member of NIH/NIEHS NCRR Comparative Medicine Review Committee, February 7-8, 2002 in Bethesda, Maryland.

- Dr. Mary Haasch also served on the Editorial Board of a new international on-line journal, Comparative Hepatology, 2002.

- Ms. Nan Johnson (NCNPR/Medicinal Plant Garden) received the 2002 Sustainable Agriculture Award from the Mississippi 2020 Network, an organization that promotes economic and environmental sustainability in the state. The award is in recognition of her long-standing efforts in the promotion of organic agriculture.
$2,500 has been funded to Dr. John Williamson and Ms. Jennifer Elzy by the American Society of Pharmacognosy for a research proposal, “Optimization of the Bioconversion of 10-Deoxyartemisinin by *Mucor ramannianus* Using Fractional Factorial Methods: Illustration of How Whole-Cell Microbial Transformations Can be Integrated into Organic Synthesis as Useful Reagents”. Ms. Elzy is an undergraduate Biochemistry major working with Dr. Williamson.

**Mr. Vernon Rayford** (P-4 Student) and **Dr. Jordan Zjawiony** were awarded a 2002 American Foundation for Pharmaceutical Education Gateway Research Scholarship in the amount of $5,000. At the conclusion of Vernon’s research project in June 2003, he is required to submit a final report, which will be included in the annual publication “2002-2003 AFPE Scholars, Fellows and Pharmacy Faculty New Investigators”.

The following awards have been presented: (a) **Mr. Srinivas Annavarapu** (Pharmacology Graduate Student) received the Teaching Assistant Award from the third year Pharmacy class during School of Pharmacy Honors Day, April 4, 2002; (b) **Dr. John Rimoldi** received the P-3 Faculty Teacher of the Year Award during Honors Day; (c) **Dr. Tomoko Mineno** (Medicinal Chemistry) and **Dr. Saurabh Sewak** (Pharmacy Administration) received the Graduate Student Achievement Awards during Honors Day; (d) **Ms. Supriya Bavadekar** (Pharmacology Graduate Student) received the Best Poster Award in the Health Research Area at the Sigma Xi Poster Competition in April.

The following Poster Presentations were made during the Society of Toxicology Annual Meeting in Nashville, Tennessee, March 17-21, 2002: (a) **Ms. Rooha Contractor**, **Dr. Kristie Willett**, S. Li, T. Chiang and C. Foran – “Differences in Methylation Patterns of the Estrogen Receptor and Aromatase Genes in *Japanese Medaka*”; (b) **Mr. James Weston**, D. Huggett, C. Foran and **Dr. Marc Slattery** – “Effects of the Selective Serotonin Reuptake Inhibitor, Prozac, on the Reproduction of *Japanese Medaka*”; (c) **Dr. Mary Haasch**, M. Johnston and S. Codi – “Environmental Induction of CYPIA- and CYP2K1-Like Proteins in Two Tropical Fish Species by Produced Formation Water on the Northwest Shelf of Australia”; (d) **Ms. Christine Metzger**, R. Di Giulio and **Dr. Kristine Willett** – “CYP1B mRNA Expression in Two Related Catfish Species”; (e) L. Zhang, **Dr. Ikhlas Khan** and C. Foran – “Estrogenic Responses to Genistein in *Japanese Medaka (oryzias latipes)*”.

**Dr. Kristie Willett** presented a poster, “Environmental Contaminants that Affect CYP1B Gene Expression in Channel Catfish (*Ictalurus punctatus*)” during the Annual Mississippi Water Resources Conference, April 23-24, 2002.

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