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University of Mississippi. School of Pharmacy

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The following GRANTS/CONTRACTS have recently been awarded:

1. **Dr. Mitchell Avery** (P.I. – Medicinal Chemistry), **Dr. John Williamson** (Co-P.I. – Medicinal Chemistry), **Dr. John Rimoldi** (Co-P.I. – Medicinal Chemistry) – Development and Testing of New Medicines for Treatment of Emerging Infectious Diseases (DHHS/Centers for Disease Control and Prevention), $1,500,000.00 – September 15, 2004-September 14, 2005.

2. **Dr. Mitchell Avery** (P.I. – Medicinal Chemistry), **Dr. John Williamson** (Co-P.I. – Medicinal Chemistry), **Dr. John Rimoldi** (Co-P.I. – Medicinal Chemistry) – Development and Testing of New Antimalarial Drugs (DHHS/Centers for Disease Control and Prevention), $3,000,000.00 – August 1, 2004-July 31, 2005.


5. **Dr. John Cleary** (P.I. – Pharmacy Practice) – Pharmacogenomics of Natural Products with Antifungal Activity (National Institutes of Health), $313,331.00 – July 1, 2004-June 30, 2005.


7. **Dr. Ikhlas Khan** (P.I. – RIPS/NCNPR) – Optimizing Therapeutic Ratios of Herbs: Gingko as a Model (Harvard Medical School/National Institutes of Health), $44,001.00 – July 1, 2004-June 30, 2005 (Sub-contract).

8. **Dr. Ikhlas Khan** (P.I. – RIPS/NCNPR) and **Dr. Troy Smillie** (Co-P.I. – RIPS/NCNPR) – Phytotoxins from Asian Soybean Rust Phakopsora pachyrhizi (Mississippi State University NSF proposal), $74,681.00 – October 1, 2004-March 31, 2005.


11. **Dr. Larry Walker** (P.I. – RIPS/NCNPR) and **Dr. Ikhas Khan** (Co-P.I. – RIPS/NCNPR) – Botanical Dietary Supplements: Science-Base for Authentication and Analysis (Food and Drug Administration), $831,547.00 – September 30, 2004-September 29, 2005.

12. **Dr. Larry Walker** (P.I. – RIPS/NCNPR) and **Dr. Ikhas Khan** (Co-P.I. – RIPS/NCNPR) – Botanical Dietary Supplements: Science-Base for Authentication and Analysis/Supplemental Funding (Food and Drug Administration), $493,453.00 – September 30, 2004-September 29, 2005.

13. **Dr. Barbara Wells** (P.I. – RIPS/School of Pharmacy) and **Dr. Charles Huffod** (Co-P.I. RIPS/School of Pharmacy) – National Center for Natural Products Research – Phase II (Dept. of Health and Human Services Heath Resources and Services Administration), $1,781,329.00 – July 1, 2004-June 30, 2005.


16. **Dr. John Williamson** (P.I. – Medicinal Chemistry) – IGERT – Entrepreneurship at the Interface of Polymer Science and Medicinal Chemistry (The University of Southern Mississippi/National Science Foundation), $299,760.00 – October 1, 2004-September 30, 2005.

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 2004: 10
Patent Applications Pending: 29
Recent Patents Granted: 1

“Dihydroartemisinin and dihydroartemisitene dimers as anti-cancer and anti-infective agents”
US Patent #: 6,790,863
Mahmoud A. ElSohly, Samir A. Ross, Ahmed M. Galal
September 14, 2001

The following SPECIAL ANNOUNCEMENTS are also listed:
- The research of Robert J. Doerksen (Medicinal Chemistry and RIPS) on computational approaches to effective and selective antimicrobial oligomers was featured recently in the Society Journal of the American Society for Microbiology (July 2004) and in Business Week (April 19, 2004).
- The American Association of Pharmaceutical Scientists Annual Southern Regional Meeting (AAPS SRDG) was held May 17-18, 2004 at the University of Tennessee Health Science Center, Memphis, TN. The following Podium and Poster presentations were presented:
  Podium Presentation: Suneela Prodduturi, Melissa Jacob, Steven Stodghill, Michael Repka – “Characterization of hot-melt extruded films containing antifungals for oral candidiasis”.
  Poster Presentations: (1) Praveen Mididoddi, Steven Stodghill, Michael Repka – “Influence of ’etching’ on the permeability of ketoconazole through the human nail”, (2) Sreekhar Cheboyina, Christy Wyandt – “Evaluation of the effect of drug solubility on the characteristics
of matrix pellets prepared by the freeze pelletization technique”. (3) **Amit Shah, John Williamson, Christy Wyandt** – “Pre-formulation studies of a novel anti-tumor agent”.

Pharmaceutics graduate students received the following awards for their exceptional presentations: **Suneela Prodduturi** – Outstanding Podium Presentation award; **Praveen Mididoddi** – Outstanding Poster Presentation award.

The next AAPS SRDG Annual meeting will be held here at Ole Miss in May 2005.

- The following presentation was made during the American Association of Pharmaceutical Scientists (AAPS) Meeting in Baltimore, MD, November 2004: **Amit Shah, John Williamson, Steven Stodghill** and **Christy Wyandt** – “Characterization of novel tubulin binding agent and its comparison with taxol”.
- **John Williamson** participated in the Special Emphasis Panel, National Cooperative Drug Discovery Groups for Cancer (NCDDG) Chemistry/Natural Products Review Panel, National Cancer Institute, National Institutes of Health, Gaithersburg, MD October 27-29, 2004.
- **Dr. Williamson** has also been invited to participate in: (a) Special Emphasis Panel, United States Department of Agriculture, Cooperative State Research, Education, and Extension Service, Small Business Innovation Research Program (SBIR), Rural & Community Development, January 2005; and (b) Special Emphasis Panel, the Integrative Graduate Education and Research Traineeship (IGERT) program, National Science Foundation (NSF), Arlington, VA January 27-28, 2005.

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