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The University of Mississippi

Interoffice Memorandum

SCHOOL OF PHARMACY OFFICE OF THE DEAN

University, MS 38677

Phone: (662) 915-7265 Fax: (662) 915-5704

TO: All School of Pharmacy Personnel

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

DATE: March 15, 2002

SUBJECT: Research News (#1)

The following **GRANTS/CONTRACTS** have recently been awarded:

1. **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 (National Institute on Drug Abuse-NIH), \$829,615.
2. **Dr. Ikhlas Khan** (P.I. – RIPS/NCNPR) – Optimizing Therapeutic Ratios for Herbs: Gingko as a Model (Beth Israel Deaconess Medical Center/NIH), \$96,845.
3. **Dr. Daneel Ferreira** (P.I. – NCNPR/RIPS) – Synthesis of Radio Labeled Condensed Tannin Precursors – Year 2 (The Samuel Roberts Nobel Foundation, Inc.), \$65,000 – 11/00-10/03.
4. **Dr. Mary Haasch** (P.I. – RIPS/ECHR) – Chemical Effects on Metabolism and Reproduction (NIEHS), \$42,395.
5. **Dr. Deborah King** (P.I. – Pharmacy Practice), **Dr. Kristopher Harrell** (Co-P.I.- Pharmacy Practice), Dr. Wofford (Co-P.I.), Dr. Jones (Co-P.I.), Dr. Wyatt (Co-P.I.) – The Morton Have-A-Heart Project, Assessment of Cardiovascular Disease Risk Factors in Rural Mississippi (Pfizer Foundation), \$125,000 – 24 months.

The following **PUBLICATIONS** have appeared:

1. E.A. Abourashed and **I.A. Khan** – “GC Determination of parthenolide in feverfew products”, *Pharmazie*, **56**, pp. 971-972, 2001.
2. M.A. Al-Yahya, F.S. El-Ferally, **D.C. Dunbar** and **I. Muhammad** – “*neo*-Clerodane diterpenoids from *Teucrium oliverianum* and structure revision of teucrolin E”, *Phytochemistry*, **59**, pp. 409-414, 2002.

3. L. Bennie, J. Coetzee, E. Malan and **D. Ferreira** – “Structure and stereochemistry of dimeric proteracacinidins possessing the rare C-4(C) C-5(D) interflavanyl linkage”, *Phytochemistry*, **59**, pp. 673-678, 2002.
4. **M. Ganzera** and **I.A. Khan** – “A Reversed Phase High Performance Liquid Chromatography Method for the Analysis of Boswellic Acids in *Boswellia serrata*”, *Planta Med*, **67**, pp. 778-780, 2001.
5. K.P. Latte, **D. Ferreira**, **M.S. Venkatraman**, and H. Kolodziej – “O-Galloyl-C-glycosylflavones from *Pelargonium reniforme*”, *Phytochemistry*, **59**, pp. 419-424, 2002.
6. **X.-C. Li**, D.L. Barnes and **I.A. Khan** – “A New Lignan Glycoside from *Eleutherococcus senticosus*”, *Planta Med*, **67**, pp. 776-778, 2001.
7. **J. R. Mikell**, **M. Ganzera** and **I.A. Khan** – “Analysis of sesquiterpenes in *Valeriana officinalis* by capillary electrophoresis”, *Pharmazie*, **56**, pp. 946-948, 2001.
8. **I. Muhammad**, **J. Zhao**, **D.C. Dunbar** and **I.A. Khan** – “Constituents of *Lepidium meyenii* ‘maca’”, *Phytochemistry*, **59**, pp. 105-110, 2002.
9. **N. Vyas**, **B.A. Avery**, **M.A. Avery** and **C.M. Wyandt** – “Carrier-Mediated Partitioning of Artemisinin into *Plasmodium falciparum*-Infected Erythrocytes”, *Antimicrobial Agents and Chemotherapy*, **46**, pp. 105-109, 2002.
10. **K.L. Willett**, D. Wassenberg, L. Lienesch, W. Reichert and R.T. DiGiulio – “In Vivo and in Vitro Inhibition of CYP1A-Dependent Activity in *Fundulus heteroclitus* by the Polynuclear Aromatic Hydrocarbon Fluoranthene”, *Toxicology and Applied Pharmacology*, **177**, pp. 264-271, 2001.
11. **J. Zhao**, **I. Muhammad**, **D.C. Dunbar**, **I.A. Khan**, **N.H. Fischer** and F.R. Fronczek – “Three ginkgolide hydrates from *Ginkgo biloba* L.: ginkgolide A mono-hydrate, ginkgolide C sesquihydrate and ginkgolide J dihydrate, all determined at 120 K”, *Acta Crystallographica*, **58**, pp. 195-198, 2002.

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

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: 1

US Patent Applications Pending: 8

Recent Patents Granted:

Patent #: 6,353,011

“1,2-Dithiolane Derivatives”

Mitchell A. Avery et.al.

Issued: March 5, 2002