

# FCR 4

Office of the President  
September 16, 2003

Members, Board of Trustees:

## PATENT ASSIGNMENT REPORT

Recommendation: that the patent assignment report for the period May 1, 2003 through July 31, 2003 be accepted.

Background: FCR 5, dated March 4, 1997, authorized that all future copyright and patent filings and prosecutions be conducted by the University of Kentucky Research Foundation (UKRF), and that the Vice President for Research and Graduate Studies or his designee be authorized to execute any needed documents to obtain appropriate patent or copyright protection. Quarterly reports on patent and copyright applications are to be submitted to the Finance Committee of the Board.

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Action taken:  Approved     Disapproved     Other \_\_\_\_\_

PATENT ASSIGNMENT  
QUARTERLY FOR THE PERIOD MAY 1, 2003 THROUGH JULY 31, 2003

Patents

The following assignments on behalf of the Board of Trustees to the University of Kentucky Research Foundation have been executed:

1. U.S. Patent Serial Number: 10/445,320, filed May 27, 2003, titled "COMPOSITIONS AND METHODS FOR DETECTING AND TREATING ATHEROSCLEROSIS." Inventors: Dr. Nancy R. Webb and Dr. Frederick C. DeBeer." The present invention provides methods for detecting atherosclerotic plaque and quantifying the amount of Group V sPLA<sub>2</sub> in plasma. These methods can be used to assess the risk of cardiovascular pathology in a patient.
2. U.S. Patent Serial Number: (to be assigned), filed July 21, 2003, titled "RECOMBINANT STOKESIA EPOXYGENASE GENE." Inventors: Drs. David Hildebrand and Tomoko Hatanaka. This invention provides a chimeric gene comprising an isolated nucleic acid molecule encoding a delta 12-fatty acid epoxygenase enzyme and transgenic plants containing the chimeric gene. Expression of the chimeric 12-epoxygenase gene leads to altered levels of fatty acids in transformed cells.
3. U.S. Patent Serial Number: 10/419,261, filed April 21, 2003, titled "VECTORS AND METHODS FOR CANCER CELL-SPECIFIC GENE EXPRESSION." Inventors: Drs. David M. Kaetzel and Susan Kraner. This invention provides nucleic acid molecules and vectors comprising at least one ACE66 element operably linked to a promoter and a gene encoding an anti-cancer agent. The vectors and nucleic molecules are useful in the treatment of cancer.
4. U.S. Patent Serial Number: 10/421,955, filed April 24, 2003, titled "MODIFIED SOY PRODUCTS AND METHODS FOR REDUCING ODOR AND IMPROVING FLAVOR OF SOY PRODUCTS." Inventor: Dr. William L. Boatright. This invention provides a method for reducing odor in soy products and compositions containing soy products by adding or admixing a compound having one or more disulfide bonds to the soy product or composition. The disulfide compound includes a peptide containing at least cystine residue, a peptide or polypeptide containing at least one disulfide bond, L-cystine, D-cystine, DL-cystine and any combination thereof.