ANNOUNCEMENT

Shu-Jing Caroline Wei Memorial Summer Fellowship

The Shu-Jing Caroline Wei Memorial Summer Scholarship Program supports summer research projects by undergraduate students who attend school in New Jersey or are residents of the state. The purpose of this program is to give undergraduate students an opportunity to do research in the area of cancer biology and prevention. Research will be performed in one of the laboratories in the Susan Lehman Cullman Laboratory for Cancer Research. A description of our faculty’s research interests is attached. This is a 12-week program from June 1, 2010 to August 23, 2010 and provides a $2,500 stipend.

Applications should be sent to Dr. Renping Zhou, Chair of the Program Committee, Department of Chemical Biology, Susan Lehman Cullman Laboratory for Cancer Research, Ernest Mario School of Pharmacy, 164 Frelinghuysen Road, Piscataway, New Jersey 08854-8020, and should include a one-page research proposal, curriculum vitae, an official copy of your college transcript(s) and two letters of recommendation. Research proposals can be developed together with a Principal Investigator from the Susan Lehman Cullman Laboratory for Cancer Research or independently by the applicants. The deadline for application submission is March 26, 2010. For further information, please contact Dr. Zhou by email at rzhou@rci.rutgers.edu.

Applications will be evaluated through a peer review committee with the following criteria: a) the ability of the applicant to develop research ideas and a proposal, and b) the research potential of the student.

January 20, 2010
DEPARTMENT OF CHEMICAL BIOLOGY
SUSAN LEHMAN CULLMAN LABORATORY FOR CANCER RESEARCH

Research Interests of the Faculty

Chung S. Yang, Professor II and Chairman, Department of Chemical Biology, Room 109 (732-445-5360) email: csyang@rci.rutgers.edu
Mechanisms of carcinogenesis and its prevention, including studies in animal models for esophageal adenocarcinomas, lung cancer, and colon cancer; investigating mechanisms of inhibition of carcinogenesis by tea constituents, tocopherols, and other agents as well as their combination; collaborative human oral, colon, and prostate cancer studies with tea polyphenols, tocopherols, and other agents.

Allan H. Conney, Garbe Professor of Cancer and Leukemia Research, New Jersey Professor of Pharmacology, and Director of the Susan Lehman Cullman Laboratory for Cancer Research, Room 129 (732-445-4940) email: aconney@rci.rutgers.edu
Mechanisms of cancer causation and its prevention by dietary chemicals, drugs and exercise; factors influencing the metabolism and action of drugs, carcinogens, environmental chemicals and steroid hormones; anticancer properties of chemopreventive agents and exercise.

Suzie Chen, Professor — Room 213 (732-445-3400 x227), email: suziec@rci.rutgers.edu
Molecular mechanisms of melanoma development using a transgenic mouse model system. Involvement of Grm1, a G-protein-coupled receptor in control of cell growth and cell differentiation.

Mou-Tuan Huang, Research Professor — Room 113 (732-445-3400 x252), email: mthuang@rci.rutgers.edu
Cancer chemoprevention; factors influencing tumor initiation and promotion; ultraviolet light carcinogenesis; mechanisms of inhibition of inflammation and carcinogenesis; arachidonic acid metabolism; respiratory burst; inflammation and tumor promotion.

Fang Liu, Associate Professor, Department of Chemical Biology and Resident Faculty Member, Center for Advanced Biotechnology and Medicine, CABM, Room 103 (732-235-5372) email: fangliu@cabm.rutgers.edu
TGF-beta signal transduction, transcriptional regulation, cell cycle control, and their roles in tumorigenesis.

Yao-Ping Lu, Associate Research Professor — Room 107 (732-445-3400 x284), email: sago@rci.rutgers.edu
Mechanisms of ultraviolet light-induced skin carcinogenesis and its prevention by caffeine, physical exercise and lowering tissue fat.

Audrey Minden, Associate Professor — Room 205 (732-445-3400 x253), email: aminden@rci.rutgers.edu
Mammalian signal transduction pathways that regulate cell growth and development; functions of Rho GTPase mediated signaling pathways in cancer and in normal mammalian development.

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Research Interests of the Faculty (continued)

Nanjoo Suh, Associate Professor — Room 254 (732-445-3400 x226)
email: nsuh@rci.rutgers.edu
Mechanistic study of cancer prevention with natural and synthetic agents such as triterpenoids, vitamin D analogs, blueberry stilbenes, and other chemopreventive agents in cancer cell lines as well as in animal models of breast and colon cancer; molecular mechanism studies targeting inflammatory genes such as inducible nitric oxide synthase (iNOS), inducible cyclooxygenase (COX-2), and NF-kB in carcinogenesis.

Paul E. Thomas, Professor — EOHSI, Room 428 (732-445-0142)
email: pethomas@eohsi.rutgers.edu
Proteomics; breast cancer mechanism and prevention research; monoclonal and polyclonal antibodies to cytochrome P-450 isozymes as a means to study their tissue distribution, regulation of expression, membrane topology, structure/function and epitope mapping; mechanisms of drug and xenobiotic toxicity.

Xi Zheng, Assistant Research Professor — Room 209 (732-445-3400 x233)
email: xizheng@rci.rutgers.edu
Anticancer effects of the phorbol ester, 12-O-tetradecanoylphorbol-13-acetate (TPA) and other naturally occurring compounds; development of effective combinations of anticancer agents for the treatment of leukemia, prostate cancer and pancreas cancer; inhibitory effects of dietary chemicals, drugs and exercise on the development of prostate cancer.

Renping Zhou, Professor — Room 217 (732-445-3400 x264)
email: rzhou@rci.rutgers.edu
Molecular mechanisms of cell differentiation; function of growth factors and their receptors in the nervous system during embryonic development and carcinogenesis; involvement of growth factors in Parkinson’s Disease.