

About the Speaker

Chung S. Yang is a Distinguished Professor and the John L. Colaizzi Endowed Chair in the Department of Chemical Biology at the Ernest Mario School of Pharmacy of Rutgers University. Dr. Yang received his B.S. degree from National Taiwan University and his Ph.D. degree in biochemistry and molecular biology from Cornell University. After postdoctoral training at Scripps Institute and Yale University, he began his teaching/research career at New Jersey Medical School in 1971. He moved to Rutgers University in 1988 as a Distinguished Professor and served as Chair of the Department of Chemical Biology from 2002 to 2010.

Dr. Yang's major research interests are in the prevention of cancer and other diseases by tea, tocopherols (vitamin E) and other agents. In the 1980s, he co-initiated the large scale US-China Collaborative Nutritional Prevention Studies for esophageal cancer prevention in Linxian, China. He then characterized the molecular alterations of human esophageal cancer and created animal models for esophageal, colon and prostate cancers. Recently, he has extended his tea studies to the prevention of metabolic syndrome and related chronic diseases. He is also interacting with many scientists in China, including mentoring young scientists.

Dr. Yang has been actively serving on journal editorial boards and grant review committees. He has more than 500 publications and trained over 100 graduate students, postdoctoral fellows and research associates. In 2010 he was elected as a Fellow of the American Association of the Advancement of Science.

The Institute for
Physical Science & Technology
and
the Department of Physics
are pleased to present

21st Annual Shih-I Pai Lecture

*“U.S. Training
of Chinese Scientists
and Its Impact”*

CHUNG S. YANG

PH. D.
RUTGERS UNIVERSITY

TUESDAY, OCTOBER 20, 2015

3:00 p.m.
Reception

James A. Yorke
Rotunda
Mathematics Building

4:00 p.m.
Lecture

Physics Lecture Hall
Room 1412
Physics Building

University of Maryland
College Park, Maryland 20742

U.S. Training of Chinese Scientists and Its Impact

Abstract

In the 19th century, the agrarian Chinese society and the Manchu government could not defend China against the invasion of the industrialized Western powers. After a series of humiliating defeats, the Chinese leaders realized the need to learn Western industry and military technology. The government thereafter selected top students for training abroad. Many of the scholars, such as Hu Shi and Zhu Kenzhen who came to the U.S. in 1910, made a major impact in China, not only in science and education but also in cultural movement and societal change.

This lecture will highlight the stories of Professor Shih-I Pai and his contemporaries, who came from China to the U.S. to study in the 1930s and 1940s, and their contributions to both China and the U.S. This group of scientists included the gifted inventor Yao-Tzu Li, the famous rocket scientist Qian Hsuen and the Nobel laureates Chen-Ning Yang and Tsung-Dao Lee. After the normalization of diplomatic relationships between the U.S. and China in the mid-1970s, there has been tremendous scientific interactions, and many U.S.-trained Chinese scientists have actively contributed to the advancement of science and technology. I will highlight some activities in the biomedical field that I witnessed. In conclusion, U.S-trained Chinese scientists contributed greatly to the scientific development in both the U.S. and China and to societal change in China. They continue to benefit not only the U.S. and China, but the entire world.



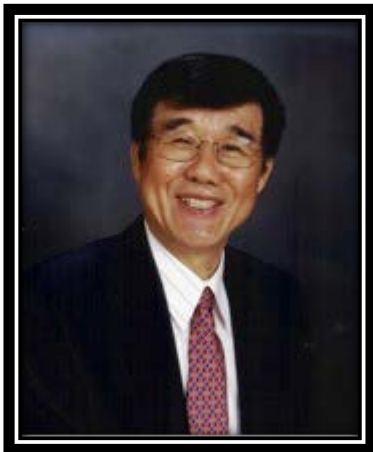
Presenting
Distinguished Speaker

CHUNG S. YANG
PH. D.

Distinguished Professor
and John L. Colaizzi Chair in Pharmacy
Department of Chemical Biology

Director
Center for Cancer Prevention Research
Ernest Mario School of Pharmacy

Rutgers,
The State University
of
New Jersey



About the Shih-I Pai Lecture Series

Dr. Shih-I Pai (1913-1996) served on the faculty of the University of Maryland at College Park beginning in 1949, and retired with Emeritus status in 1983. He was the recipient of a Centennial Medal from the A. James Clark School of Engineering and was a founding member of the Institute for Fluid Dynamics and Applied Mathematics (now the Institute for Physical Science and Technology). Dr. Pai authored 14 books and 130 articles in the field of aerodynamics, fluid dynamics and viscous flow, for which he received international recognition. The lecture series honors Professor Pai's many contributions to UMCP, and is supported by contributions to the University of Maryland Foundation.



Previous lecturers in this series

Johanna M. H. (Anneke) Levelt Sengers
Ellen D. Williams
Sir Michael Berry
Andreas Acrivos
James A. Yorke
Simon Asher Levin
Eugenia Kalnay
Vera C. Rubin
Nancy J. Kopell
Susan W. Kieffer
Albert J. Libchaber
David Ruelle
Grigory Barenblatt
Katepalli Sreenivasan
Guenter Ahlers
Harry Swinney
Leo P. Kadanoff
Y.T. Li
Jurgen Zierep
Y.C. Bertram Fung



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Tuesday
October 20,
2015

University of Maryland
College Park