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TEMASEK LIFESCIENCES LABORATORY

28 June 2016 (Tuesday), 11am
The Auditorium (Level 1)
Hosted by: Dr YIN Zhongchao

MY MENTORS AT HIGHER INSTITUTIONS AND MY SCIENCE CAREER IN THE US

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Academic institutions are where one acquires knowledges and experiences that affect a person for the rest of his/her life. I shall introduce my academic supervisors/mentors in my talk and share with audience my valuable experiences attained while I was a student with them. Also, I shall analyze knowledges and skills acquired while I was pursuing my doctoral degree at the University of Illinois that later made my research flowingly. Finally I shall express my sincere appreciations to those conducting investigations nationally and internationally with me.

Hei-ti Hsu has a warm heart toward his homeland Taiwan as well as the Department of Plant Pathology (PPD) of Chung-Hsing University (NCHU) where he was awarded a BS degree in Agriculture in 1962. In 1966 he completed trainings at the International Rice Research Institute and received an MS degree in Plant Pathology from the University of The Philippines. He continued his studies in 1968 at the University of Illinois and was awarded a PhD degree in Plant Pathology specialized in plant virology in 1971. Since then he was a Plant Virologist at the American Type Culture Collection, and later he held a position as a Microbiologist at the Agricultural Research Service of the US Department of Agriculture in Beltsville, Maryland until his retirement in 2007. In addition to his scientific accomplishments in a career of nearly 40 years in research, he made enormous contribution in the field of plant pathology especially plant virology. During this time, he has published more than 150 refereed journal articles, invited reviews, and book chapters on various aspects of plant virology and immunology including virus-vector interaction, virus characterization, virus and disease detection, monoclonal antibodies, and induced immunotolerance. Dr. Hsu served on Editorial Boards for the American Phytopathological Society (Plant Disease from1980 to1982 and Phytopathology from 1988 to 1990) and three terms (1978-81; 1981-84; 1984-87) on the Plant Virus Subcommittee of the International Committee on Taxonomy of Viruses. He is recognized world-wide for his expertise on viral diseases of ornamental plants and as an international authority on utilization of monoclonal antibodies in plant sciences.

Recent Publications:

1. **Hsu, H.T.** 2009. Development of enzyme linked, tissue blot and dot blot immunoassays for plant virus detection. In: "Methods in Molecular Biology, Plant Pathology". (R. Burns, ed.), Vol. 508. Humana Press. Springer Science+Business Media, New York. pp. 15-25.
2. **Hsu, H.T.,** Chen, T.C., Chang, C.A., and Yeh, S.D. 2009. Preparation of immunogens and production of antibodies. In: "Methods in Molecular Biology, Plant Pathology". (R. Burns, ed.), Vol. 508. Humana Press. Springer Science+Business Media, New York. pp. 37-50.
3. Kamo, K., Aebig, J., Guaragna, M.A., James, C., **Hsu,H.T**., and Jordan, J. 2012. Gladiolus plants transformed with single-chain variable fragment antibodies to Cucumber mosaic virus. Plant Cell Tissue Organ Culture 110:13-21