

Mohd. Effendy bin Abd. Wahid was born in Banda Hilir, Melaka on 26th, October 1966. He completed his secondary education at Sekolah Dato' Seri Amar Di Raja, Muar, Johor. He was then pursuing for his Diploma in Animal Health and Production in 1984 at Universiti Pertanian Malaysia (UPM). After obtaining his diploma, he continued his study for Doctor in Veterinary Medicine and graduated in 1994. His passion for research and development motivated him to enroll for Ph.D study in the field of Veterinary Immuno-pathology in 1995. He was awarded the Best PhD Thesis Award by the Faculty of Veterinary Medicine, UPM in 1998. Effendy started his academic journey at UPM Terengganu (UPMT) in November 1998 at the Faculty of Science and Professional Arts. He joined the Faculty of Science and Technology in 2001 before accepted a Post-doctorate position at Chonnam National University, Kwang-ju, South Korea by Korean Institute of Science and Technology Evaluation and Planning (KISTEP) in 2003.



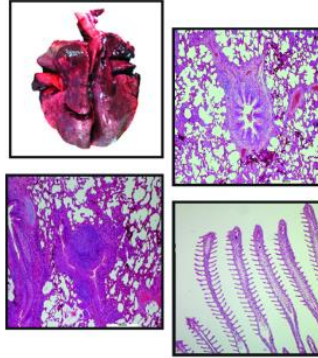
Effendy was appointed as the Head of Student Welfare and Development Centre at Division of Student Affairs, KUSTEM in 2004. He was then given a task to establish the Institute of Marine Biotechnology at the end of 2005, and appointed as the founding Director of the Institute of Marine Biotechnology from 2006 to 2013. During the tenure, he faced many challenges until the Ministry of Higher Education approved it on February 26th 2008. Effendy was then appointed as the Assistant Vice Chancellor (Research and Innovation Affairs) in 2013, and the first Deputy Vice Chancellor (Research and Innovation) for UMT in 2014. Effendy has great interest in research and innovation. Until present, he has taught eight different courses and still teaching a course at the school. He started his first research on histopathology of uterine involution and side effects of Kacip Fatimah at a small laboratory at INOS in 1999.

Since then, he has supervised and graduated 12 PhD, 24 Master Science and 180 final year students and published 60 scientific papers in various journals, particularly in microbiology, immunology and biotechnology. His works with his colleagues were also disseminated through more than 110 seminars, conferences and symposiums. Apart from that, Effendy also involved in writing books and monograph, and reviewing research papers and thesis. He also acquired two full patent rights on mucosal vaccine against pneumonic pasteurellosis in small ruminants and nutritious health drinks from golden sea cucumber extracts, and others that are still pending. Throughout his research activities, he was recognized with 13 Special Research Awards, 16 medals at International Research Competitions and 24 medals at national research exhibitions and competitions. He was awarded Excellent Scientist Award by the Ministry of Higher Education in 2005 and the first recipient of National Intellectual Property Award 2006 (Individual Category). At the moment, Effendy focus his research on development of novel adjuvants for mucosal vaccines, establishing of Seahorse sanctuary in Johor Darul Ta'zim and sustainable aquaculture management utilizing microalgae program with Japan International Collaboration Agency (JICA).

# INAUGURAL LECTURE

## UNIVERSITI MALAYSIA TERENGGANU

### Mucosal Immunity: Animal Vaccination and Disease Prophylaxis



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