Yau-Huei WEI Ph.D.

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Dr. Wei is Professor and Director at Center for Mitochondrial Research and Medicine, Changhua Christian Hospital, Changhua City, Taiwan. He is interested in induced pluripotent stem cells and their derived neurons as cell models for studies of the mitochondrial disease MERRF syndrome.

EDUCATION

- **1980** : Ph.D. in Biochemistry/Chemistry, State University of New York at Albany, New York, USA
- **1974** : B.S. in Agricultural Chemistry, National Taiwan University, Taipei, Taiwan

EXPERTISE

- Reprogramming and differentiation of PSCs
- Neuronal differentiation from iPSCs
- Mitochondrial disease MERRF syndrome

OTHERS

Dr. Wei is the Associate Editor of the journal Bioenergetics Communications and was recruited as the Founding President of Mackay Medical College, a position he currently holds

ACADEMIC APPOINTMENTS

- **2017 - 2019** : Chair of the Executive Review Board of Science & Technology Programs, Office of Science and Technology, Executive Yuan, Taiwan
- **2009 - 2017** : President, Mackay Medical College, New Taipei City, Taiwan
- **2006 - 2009** : Distinguished Professor and Dean of Academic Affairs, National Yang-Ming University
- **2001 - 2005** : Director General, Department of Life Sciences, National Science Council, Executive Yuan, Taiwan
- **1996 - 2000** : Professor and Director, Center for Cellular and Molecular Biology, National Yang-Ming University, Taipei, Taiwan
- **1981 - 1985** : Associate Professor, Department of Biochemistry, National Yang-Ming Medical College, Taipei, Taiwan

AWARDS AND HONORS

- **1996** : Received the William Evans Fellowship from the University of Otago, New Zealand

SELECTED PUBLICATIONS

1. Wu, Y.T., Tay, H.Y., Liao, H.H., Yang, J.T., Ma, Y.S., Wei, Y.H. 2023. Mitochondrial impairment and synaptic dysfunction are associated with neurological defects in iPSCs-derived cortical neurons of MERRF patients. ***Journal of Biomedical Science***. 30(1): 70.
2. Wu, Y.T., Chi, K.T., Lan, Y.W., Chan, J.C., Ma, Y.S., Wei, Y.H. 2018. Depletion of Sirt3 leads to the impairment of adipogenic differentiation and insulin resistance via interfering mitochondrial function of adipose-derived human mesenchymal stem cells. ***Free Radical Research***. 52: 1398-1415.
3. Hsu, Y.C., Wu, Y.T., Tsai, C.L., Wei, Y.H. 2018. Current understanding and future perspectives of the roles of sirtuins in the reprogramming and differentiation of pluripotent stem cells. ***Experimental Biology and Medicine***. 243: 563-575.