



**Name** Dah-Yuu Lu, PhD  
**Current Positions** Professor, School of Medicine  
Head of Pharmacology department

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**Personal Website**

### Education

**Master, National Taiwan University (2001)**  
**PhD in National Taiwan University (2007)**  
**Postdoc in Pharmacology, National Taiwan University (2008)**

### Expertise

Pharmacology; Neuroscience; Tumor biology; Animal behaviors; New drug development; Signal transduction; Neuroimmunology

### Research Interests

The research themes in my lab aim to decipher the inflammatory responses important for neurodegenerative diseases, animal behaviors and tumor progression. We have combined the biochemical approaches and disease mouse model to address the relevant signaling regulation in neurodegeneration, cognitive dysfunction and cancer progression. Several areas of the research are actively studied in my lab.

### Selected Grants:

Exploring the effects of fibric acid derivatives of lipid lowering drugs on glioblastoma progression MOST 109-2320-B-468-005- 2020/08/01~2021/07/31  
Exploring the communication between the Immune System and brain in social-defeat stress MOST108-2320-B-039-015- 2019/08/01~2020/07/31  
Targeting Sirtuin 1 on modulating the microenvironment of glioblastoma multiforme: melatonin as example MOST108-2320-B-468-003- 2019/08/01~2020/07/31

### Selected Publications

SIRT1 activation by minocycline on regulation of microglial polarization homeostasis  
Ling-Hsuan Wu, Bor-Ren Huang, Sheng-Wei Lai, Chingju Lin, Hsiao-Yun Lin, Liang-Yo Yang, Dah-Yuu Lu  
*Aging* (Albany NY) 2020 Sep 30  
Monocarboxylate Transporter 4 Regulates Glioblastoma Motility and Monocyte Binding Ability  
Sheng-Wei Lai, Hui-Jung Lin, Yu-Shu Liu, Liang-Yo Yang, Dah-Yuu Lu *Cancers* (Basel) 2020 Feb;  
Characterization of a novel adult murine immortalized microglial cell line and its activation by amyloid-beta  
Ryan C. McCarthy, Dah-Yuu Lu, Ahmed Alkhateeb, Andrew M. Gardeck, Chih-Hao Lee, Marianne Wessling-Resnick *J Neuroinflammation*. 2016; 13: 21. Published online 2016 Jan