

# Stanford

---

## Mang Yu

Sr Res Scientist-Basic Life, Pediatrics - Gastroenterology

### Bio

---

#### BIO

Dr. Yu's research centers on the role of calcium-dependent calcineurin signaling in health and diseases.

#### EDUCATION AND CERTIFICATIONS

- MD, Liaoning Chinese Medical College, Shenyang, China , Medicine (1991)
- MS, Dalian Medical College, Dalian, China , Microbiology (1994)
- PhD, University of California, Davis , Immunology (2001)
- Postdoctoral Training, Stanford University School of Medicine (with Dr. Stephen J. Galli) , Cellular and Molecular Immunology (2004)
- Board Certificate, California Board of Acupuncture , Licensed Practitioner of Chinese Medicine (Acupuncture and Herbal Medicine) (2012)

#### PATENTS

- Mang Yu. "China P.Rep. Submerged fermentation of Cordyceps sinensis", China Patent Administration, Mar 14, 2001

#### LINKS

- new findings: <https://med.stanford.edu/news/all-news/2011/07/key-immune-substance-linked-to-asthma-study-finds.html>
- Thirdhand smoke: <https://scopeblog.stanford.edu/2018/05/07/third-hand-smoke-increases-asthma-severity-in-laboratory-mice/>

### Publications

---

#### PUBLICATIONS

- **Protective Effects of Calcineurin on Pancreatitis in Mice Depend on Cellular Source.** *Gastroenterology*  
Wen, L., Javed, T. A., Dobbs, A. K., Brown, R., Niu, M., Li, L., Khalid, A., Barakat, M., Xiao, X., Yimlamai, D., Konnikova, L., Yu, M., Byersdorfer, et al  
2020
- **Development of multiple features of antigen-induced asthma pathology in a new strain of mast cell deficient BALB/c-Kit<sup>W-sh/W-sh</sup> mice.** *Laboratory investigation; a journal of technical methods and pathology*  
Hernandez, J. D., Yu, M., Sibilano, R., Tsai, M., Galli, S. J.  
2019
- **[Effect of electroacupuncture of acupoints on the healthy limb (opposing needling) on acute skeletal muscle contusion in rats].** *Zhen ci yan jiu = Acupuncture research*  
Zhang, A. N., Xiong, M. F., Huang, S. Q., Tang, C. L., Zhao, D. D., Luo, A., Tan, C. F., Qiu, L., Dai, N., Yu, M.  
2019; 44 (5): 335–40
- **Thirdhand smoke component can exacerbate a mouse asthma model through mast cells.** *The Journal of allergy and clinical immunology*  
Yu, M., Mukai, K., Tsai, M., Galli, S. J.  
2018
- **[Effects of acupuncture at opposite acupoints on expression of hepatocyte growth factor in rats with skeletal muscle contusion].** *Zhongguo zhen jiu = Chinese acupuncture & moxibustion*  
Zhang, A., Huang, S., Tang, C., Luo, A., Zhao, D., Gao, R., Tan, C., An, H., Wu, M., Yu, M.

2018; 38 (1): 59–64

- **Exposure to tobacco smoke increases bone loss in spontaneously hypertensive rats.** *Inhalation toxicology*  
Xu, J., Qiu, X., Liang, Z., Smiley-Jewell, S., Lu, F., Yu, M., Pinkerton, K. E., Zhao, D., Shi, B.  
2018; 30 (6): 229–38
- **A TNFRSF14-Fc epsilon RI-mast cell pathway contributes to development of multiple features of asthma pathology in mice** *NATURE COMMUNICATIONS*  
Sibilano, R., Gaudenzio, N., DeGorter, M. K., Reber, L. L., Hernandez, J. D., Starkl, P. M., Zurek, O. W., Tsai, M., Zahner, S., Montgomery, S. B., Roers, A., Kronenberg, M., Yu, et al  
2016; 7
- **Identification of an IFN-gamma/mast cell axis in a mouse model of chronic asthma** *JOURNAL OF CLINICAL INVESTIGATION*  
Yu, M., Eckart, M. R., Morgan, A. A., Mukai, K., Butte, A. J., Tsai, M., Galli, S. J.  
2011; 121 (8): 3133-3143
- **Perinatal environmental tobacco smoke exposure alters the immune response and airway innervation in infant primates** *JOURNAL OF ALLERGY AND CLINICAL IMMUNOLOGY*  
Yu, M., Zheng, X., Peake, J., Joad, J. P., Pinkerton, K. E.  
2008; 122 (3): 640-647
- **Mast cells can promote the development of multiple features of chronic asthma in mice** *JOURNAL OF CLINICAL INVESTIGATION*  
Yu, M., Tsai, M., Tam, S., Jones, C., Zehnder, J., Galli, S. J.  
2006; 116 (6): 1633-1641
- **The role of interleukin-6 in pulmonary inflammation and injury induced by exposure to environmental air pollutants** *TOXICOLOGICAL SCIENCES*  
Yu, M., Zheng, X., Witschi, H., Pinkerton, K. E.  
2002; 68 (2): 488-497
- **Short-term exposure to aged and diluted sidestream cigarette smoke enhances ozone-induced lung injury in B6C3F1 mice** *TOXICOLOGICAL SCIENCES*  
Yu, M., Pinkerton, K. E., Witschi, H.  
2002; 65 (1): 99-106
- **The effects of phenethyl isothiocyanate, N-acetylcysteine and green tea on tobacco smoke-induced lung tumors in strain A/J mice** *CARCINOGENESIS*  
Witschi, H., Espiritu, I., Yu, M., Willits, N. H.  
1998; 19 (10): 1789-1794

## PRESENTATIONS

- Exposure to environmental tobacco smoke increases the sensitivity of the lungs to ozone-induced injury. In: American Thoracic Society International Conference, 1999, San Diego, U.S.A.
- Experimental therapy with Chinese herbal tablets Sanjin Pian on tumor-bearing mice. In: First Congress of the Federation of Immunological Societies of Asia-Oceania (MIMSA), 1996, Adelaide, Australia.
- Study on the immunotherapy with mannose sensitive hemagglutinin pilus+ *Pseudomonas aeruginosa* vaccine on tumor-bearing mice. In: The 13th Asia Pacific Cancer Conference, 1996, Penang, Malaysia.
- Development and application of *Pseudomonas aeruginosa* vaccine. In: The 4th National Conference of Microbiology and Immunology, 1994, Shanghai, China.