

# Stanford

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## Mang Yu

Research Development Specialist, SoM Proposal Development Office

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#### BIO

Dr. Yu is contributing to growing the School of Medicine's portfolio of grants, especially those related to biomedical data science

<https://orcid.org/0000-0003-3302-3180>

#### 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

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#### PUBLICATIONS

- **Dynamin Related Protein 1 Differentially Regulates FcepsilonRI- and SP-induced Mast Cell Activation.** *The Journal of allergy and clinical immunology*  
Wang, Y., Yu, M., Matsushita, K., Liu, C., Ishihara, N., Nomura, M., Tsai, M., Galli, S. J.  
2022
- **Thirdhand smoke component can exacerbate a mouse asthma model through mast cells.** *The Journal of allergy and clinical immunology*  
Yu, M. n., Mukai, K. n., Tsai, M. n., Galli, S. J.  
2018
- **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
- **Prevalence of Nontraumatic Osteonecrosis of the Femoral Head and its Associated Risk Factors in the Chinese Population: Results from a Nationally Representative Survey** *CHINESE MEDICAL JOURNAL*  
Zhao, D., Yu, M., Hu, K., Wang, W., Yang, L., Wang, B., Gao, X., Guo, Y., Xu, Y., Wei, Y., Tian, S., Yang, F., Wang, et al  
2015; 128 (21): 2843-2850
- **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
- **Protective Effects of Calcineurin on Pancreatitis in Mice Depend on Cellular Source.** *Gastroenterology*  
Wen, L. n., Javed, T. A., Dobbs, A. K., Brown, R. n., Niu, M. n., Li, L. n., Khalid, A. n., Barakat, M. n., Xiao, X. n., Yimlamai, D. n., Konnikova, L. n., Yu, M. n., Byersdorfer, et al  
2020
- **[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
- **Development of multiple features of antigen-induced asthma pathology in a new strain of mast cell deficient BALB/c-KitW-sh/W-sh mice.** *Laboratory investigation; a journal of technical methods and pathology*  
Hernandez, J. D., Yu, M. n., Sibilano, R. n., Tsai, M. n., Galli, S. J.  
2019
- **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): 229-238
- **[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
- **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.