

**ZOU Xiang**  
**(Professor)**



**QUALIFICATIONS:**

Docent, Sahlgrenska Academy, University of Gothenburg, Sweden, 2011

PhD, Uppsala University, Uppsala, Sweden, 2001

MMed, Chinese Academy of Preventive Medicine, Beijing, China, 1993

BSc, Nankai University, Tianjin, China, 1988

**BRIEF OUTLINE OF EXPERIENCE AND POSTS HELD:**

Since July 2022	Professor, Department of Health Technology and Informatics, Hong Kong Polytechnic University, Hong Kong
Jun 2016 – Jun 2022	Associate professor, Department of Health Technology and Informatics, Hong Kong Polytechnic University, Hong Kong
Aug 2011– May 2016	Associate professor, Department of Microbiology and Immunology, University of Gothenburg, Sweden
Feb 2008 – Jul 2011	Assistant professor, Department of Microbiology and Immunology, University of Gothenburg, Sweden
Sep 2004 – Jan 2008	Postdoctoral research fellow, Department of Medicine, CIMR, University of Cambridge, UK
Jun 2001 – Aug 2004	Project leader, a collaborative project between Innoventus Project Company and Uppsala University, Uppsala, Sweden
Sep 1993 – Aug 1996	Lecturer, Nanjing University Medical School, Nanjing, China
Aug 1988 – Aug 1990	Technician, Center for Disease Control, Nanjing, China

## RESEARCH INTERESTS:

Dr Zou Xiang is a research immunologist with particular expertise and research interests in mast cell biology and mucosal immunology, and a proven capacity to apply this to make substantial contributions to our understanding of allergy, mucosal vaccination, and other clinically important questions.

## SERVICE TO PROFESSIONAL & SCIENTIFIC BODIES, CONSULTANCIES:

- Founding member, Scandinavian Mast Cell Research Network (MacNet)
- Member, European Mast Cell and Basophil Research Network (EMBRN)

## AWARDS AND PATENTS:

- 2008            MIVAC Young Investigator Award, jointly sponsored by the Mucosal Immunobiology and Vaccine Center (MIVAC), Gothenburg, and the Swedish Foundation for Strategic Research (SSF)
- 2006            The Viking Prize, the Scandinavian Society of Immunology

## REPRESENTATIVE PUBLICATIONS:

Wu T, Yan S, Yeh YW, Fang Y, **Xiang Z**. Fc $\gamma$ R-dependent apoptosis regulates tissue persistence of major mast cell subsets in mice. *Eur J Immunol*. 2023. In press.

Sen Chaudhuri A, Yeh YW, Zewdie O, Li NS, Sun JB, Jin T, Wei B, Holmgren J, **Xiang Z**. S100A4 exerts robust mucosal adjuvant activity for co-administered antigens in mice. *Mucosal Immunol*. 2022;21:1–12.

**Xiang Z**. Mining gold out of a limited source of ore. *Cytometry*. 2022;101(2):114-116. (Invited commentary)

Yeh YW, Sen Chaudhuri A, Zhou L, Fang Y, Boysen P, **Xiang Z**. Mast Cells Are Identified in the Lung Parenchyma of Wild Mice, Which Can Be Recapitulated in Naturalized Laboratory Mice. *Front Immunol*. 2021;12:736692.

Wu T, Ma L, Jin X, He J, Chen K, Zhang D, Yuan R, Yang J, Zhong Q, Zhou H, **Xiang Z**#, Fang Y#. S100A4 Is Critical for a Mouse Model of Allergic Asthma by Impacting Mast Cell Activation. *Front Immunol*. 2021;12:692733. *#Corresponding author*.

Sun JB, Holmgren J, Larena M, Terrinoni M, Fang Y, Bresnick AR, **Xiang Z**. Deficiency in Calcium-Binding Protein S100A4 Impairs the Adjuvant Action of Cholera Toxin. *Front Immunol*. 2017;8:1119.

Sun JB, Holmgren J, Cragg MS, **Xiang Z**. Lack of Fc Gamma Receptor IIIA Promotes Rather than Suppresses Humoral and Cellular Immune Responses after Mucosal or Parenteral Immunization with Antigen and Adjuvants. *Scand J Immunol*. 2017;85(4):264-271.

Wang R, Yin X, Zhang H, Wang J, Chen L, Chen J, Han X, **Xiang Z**#, Li D#. Effects of a Moderately Lower Temperature on the Proliferation and Degranulation of Rat Mast Cells. *J Immunol Res*. 2016;2016:8439594. *#These authors share senior authorship*.

Ding J, Fang Y, **Xiang Z**. Antigen/IgG immune complex-primed mucosal mast cells mediate antigen-specific activation of co-cultured T cells. *Immunology*. 2015;144(3):387-394.

Bruhn S, Fang Y, Barrenäs F, Gustafsson M, Zhang H, Konstantinell A, Krönke A, Sönnichsen B, Bresnick A, Dulyaninova N, Wang H, Zhao Y, Klingelhöfer J, Ambartsumian N, Beck MK, Nestor C, Bona E, **Xiang Z**#, Benson M#. A generally applicable translational strategy identifies S100A4 as a candidate gene in allergy. *Sci Transl Med*. 2014;6(218):218ra4. *#These authors share senior authorship*.

Fang Y, Zhang T, Lidell L, Xu X, Lycke N, **Xiang Z**. The immune complex CTA1-DD/IgG adjuvant specifically targets connective tissue mast cells through FcγRIIIA and augments anti-HPV immunity after nasal immunization. *Mucosal Immunol*. 2013;6(6):1168-78.

Fang Y, Larsson L, Bruhns P, **Xiang Z**. Apoptosis of mouse mast cells is reciprocally regulated by the IgG receptors FcγRIIB and FcγRIIIA. *Allergy*. 2012;67(10):1233-40.

Fang Y, Larsson L, Mattsson J, Lycke N, **Xiang Z**. Mast cells contribute to the mucosal adjuvant effect of CTA1-DD after IgG-complex formation. *J Immunol*. 2010;185(5):2935-41.