

Curriculum Vitae

Xinhua Yu PD, Dr. rer. nat.
d.o.b. January 1st, 1974, in Jiangxi, China

University Education

2015 Habilitation Immunology, University of Lübeck, Germany
2006 Doctorate Genetics, University of Rostock, Germany
1999–2002 Studies of Genetics (Master degree), Peking Union Medical College, China
1991–1995 Studies of Molecular biology (Bachelor degree), Wuhan University, China

Scientific Career

Since 2019 Head, Division of Pulmonary Immune Diseases, Research Center Borstel, Germany
2015–2019 Head, Liaison Group of Autoimmunity in the Lung, Research Center Borstel, Germany
2015–2019 Head, Xiamen-Borstel Joint Laboratory of Autoimmunity, Xiamen University, China
2011–2019 Guest Professor of Immunology, Medical College of Xiamen University, China
2008–2015 Independent young scientist, Research Center Borstel, Germany
2006–2008 Postdoctoral Fellow, Faculty of Medicine, University of Rostock, Germany

Awards and Honors

No

Citation Record

Total citations: 2,981; h-index:33; h-index since 2021: 23 (Google Scholar Jan. 23th, 2026)

Top-10 selected Publications

Huang R, Li X, Lu Z, Xu J, Lin D, Fu Y, Liang Y, Petersen F, Li X, Zhou Q, **Yu X**. Thalassemia carriers exhibit reduced expression of the receptor for the malarial parasite *Plasmodium vivax* on erythrocytes. **Blood Adv.** 2025;9(7):1738-1741. doi: [10.1182/bloodadvances.2024014792](https://doi.org/10.1182/bloodadvances.2024014792).

Ma A, Huang R, Guo J, Wang G, Huang H, Li X, Zhong S, Huang Y, Lin S, Lin Y, Zhou Q, Krauss-Etschmann S, Petersen F, Wang Z, **Yu X**. Association of combined pulmonary fibrosis and emphysema in rheumatoid arthritis with high titer of rheumatoid factor and autoimmunity to the lung. **Front Immunol.** 2025;16:1514552. doi: [10.3389/fimmu.2025.1514552](https://doi.org/10.3389/fimmu.2025.1514552).

Shu Y, Huang R, Li Q, Lu Y, Yin J, Li H, Lan Z, Zheng X, Ye J, Long Y, Wang Z, Xiao L, Zhou Q, Liu X, Fu Y, Chen H, Chen J, Zhou Y, Zhou J, Zhang L, Zhou J, Jiang Y, Peng F, Lu Z, Petersen F, Qiu W, **Yu X**. Autoimmune Glial Fibrillary Acidic Protein Astrocytopathy Is Associated with HLA-A*3303 and HLA-DPB1*0501. **Ann Neurol.** 2024;95(5):901-906. doi: [10.1002/ana.26899](https://doi.org/10.1002/ana.26899).

Yu X, Wax J, Riemekasten G, Petersen F. Functional autoantibodies: Definition, mechanisms, origin and contributions to autoimmune and non-autoimmune disorders. **Autoimmun Rev.** 2023;22(9):103386. doi: [10.1016/j.autrev.2023.103386](https://doi.org/10.1016/j.autrev.2023.103386).

Yue X, Yin J, Wang X, Heidecke H, Hackel AM, Dong X, Kasper B, Wen L, Zhang L, Schulze-Forster K, Junker J, Grasshoff H, Müller A, Wallukat G, Schimke I, Zeiner J, Deckstein LM, Mertens N, Kerstein-Staehle A, Hundt JE, Kostenis E, **Yu X**, Riemekasten G, Petersen F. Induced antibodies directed to the angiotensin receptor type 1 provoke skin and lung inflammation, dermal fibrosis and act species overarching. **Ann Rheum Dis.** 2022;81(9):1281-1289. doi: [10.1136/annrheumdis-2021-222088](https://doi.org/10.1136/annrheumdis-2021-222088).

Chen Y, Li S, Huang R, Zhang Z, Petersen F, Zheng J, **Yu X**. Comprehensive meta-analysis reveals an association of the HLA-DRB1*1602 allele with autoimmune diseases mediated predominantly by autoantibodies. **Autoimmun Rev.** 2020 Jun;19(6):102532. doi: [10.1016/j.autrev.2020.102532](https://doi.org/10.1016/j.autrev.2020.102532).

Shu Y, Qiu W, Zheng J, Sun X, Yin J, Yang X, Yue X, Chen C, Deng Z, Li S, Yang Y, Peng F, Lu Z, Hu X, Petersen F, **Yu X**. HLA class II allele DRB1*16:02 is associated with anti-NMDAR encephalitis. **J Neurol Neurosurg Psychiatry.** 2019;90(6):652-658. doi: [10.1136/jnnp-2018-319714](https://doi.org/10.1136/jnnp-2018-319714).

Yu X, Akbarzadeh R, Pieper M, Scholzen T, Gehrig S, Schultz C, Zillikens D, König P, Petersen F. Neutrophil Adhesion Is a Prerequisite for Antibody-Mediated Proteolytic Tissue Damage in Experimental Models of Epidermolysis Bullosa Acquisita. **J Invest Dermatol.** 2018 Sep;138(9):1990-1998. doi: [10.1016/j.jid.2018.03.1499](https://doi.org/10.1016/j.jid.2018.03.1499).

Petersen F, Yue X, Riemekasten G, **Yu X**. Dysregulated homeostasis of target tissues or autoantigens - A novel principle in autoimmunity. **Autoimmun Rev.** 2017;16(6):602-611. doi: [10.1016/j.autrev.2017.04.006](https://doi.org/10.1016/j.autrev.2017.04.006).

Yu X, Gimsa U, Wester-Rosenlöf L, Kanitz E, Otten W, Kunz M, Ibrahim SM. Dissecting the effects of mtDNA variations on complex traits using mouse conplastic strains. **Genome Res.** 2009;19(1):159-65. doi: [10.1101/gr.078865.108](https://doi.org/10.1101/gr.078865.108).