

## Hong Liu, MD, PhD

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**Research interest:** Clinical and experimental studies of infectious diseases, such as leprosy, fungal infectious diseases, auto-immune blistering diseases, and severe cutaneous adverse drug reactions

Dr. Hong Liu is the vice director of Shandong Provincial Dermatovenereology Key Laboratory. She has presided five national research programs, including one National Science Fund for Excellent Youth Investigator and one National "863" Yong Investigator Program. As the first/corresponding author, she has published over 30 papers, including those in high profile journals such as *Nature Genetics*, *Nature Comm*, *JAMA Dermatology*, *American Journal of Human Genetics*, and *Journal of Investigative Dermatology*. As a major participant, she has received awards for the first prize of Shandong Provincial Science and Technology Progress (2011), the first prize of Shandong Provincial Nature and Science (2015), and the first prize of Shandong Provincial Technology and Invention (2018). She obtained three National Invention Patents and four International Invention Patents, and was selected for the "National Hundred-Thousand-Ten Thousand Project" and honored with National Outstanding Young and Middle-aged Expert, Shandong Provincial Outstanding Young and Middle-aged Expert and Young experts For Taishan Scholars with excellent achievements.

## Selected publications

1. **Liu H**, Irwanto A, Fu X'A, et al. Discovery of six new susceptibility loci and analysis of pleiotropic effects in leprosy. *Nat Genet.* 2015;47(3):267-71. doi: 10.1038/ng.3212.
2. **Liu H**, Irwanto A, Tian H, et al. Identification of IL18RAP/IL18R1 and IL12B as Lep-ro-sy Risk Genes Demonstrates Shared Pathogenesis between Inflammation and Infectious Diseases. *Am J Human Genet.* 2012 91(5):935-41.
3. **Liu H**, Wang ZZ, Li Y, et al. Genome-Wide Analysis of Protein-Coding Variants in Leprosy. *J Invest Dermatol.* 2017 Dec;137(12):2544-2551
4. **Liu H**, Wang ZZ, Bao FF, et al. Evaluation of Prospective HLA-B\*13:01 screening to prevent dapsone hypersensitivity syndrome. *JAMA Dermatol.* 2019 Jun 1;155(6): 666-672.
5. **Liu H**, Bao F, Irwanto A, et al. Association study of TOLL and CARD with leprosy susceptibility in the Chinese population. *Hum Mol Genet.* 2013 Jun 19.
6. Wang ZZ, **Liu H\***, Zhang FR\*. A Large-scale Genome-wide Association and Meta-analysis Identified Four Novel Susceptibility Loci for leprosy. *Nat Commun.* 2016 Dec 15; 7:13760
7. Sun Y, **Liu H\***, Zhang FR\*. The HLA-DQB1\*03:01 is associated with Bullous Pemph-igoid in the Han Chinese population. *J Invest Dermatol.* 2018 Aug;138(8): 1874-1877.
8. Li LL, You JB, **Liu H\***. Variants of CARD14 are predisposing factors for generalized pustular psoriasis (GPP) with psoriasis Vulgaris but not for GPP alone in a Chinese population. *Br J Dermatol.* 2019 Feb;180(2):425-426. doi: 10.1111/bjd.17392.
9. **Liu H**, Chuan W, et al. Case report of two cases with fever, rash, and organ involve-ement during the treatment of leprosy. *PLoS Neglected Tropical Diseases.* 2014 Aug 28;8(8): e3130. doi: 10.1371/journal.pntd.0003130.
10. Zhang FR\*, **Liu H**, Irwanto A, et al. HLA-B\*13:01 and Dapsone-induced Hyper-sensitivity Syndrome. *N Engl J Med* 2013 Oct 24;369(17):1620-8. doi: 10.1056/NEJMoa1213096