


特定非営利活動法人 日本免疫学会  
2024年度 前期 Tadamitsu Kishimoto International Travel Award  
研究発表報告書

申請者氏名	李 静(Jing Li)	会員番号	0036661	
申請者の所属・職名	Department of Microbiology and Immunology, Tohoku University Graduate School of Medicine. Doctoral student			
出席会議名	IMMUNOLOGY2024			
発表論文タイトル	Regulatory T cells tonically inhibit spontaneous activation of naturally arising memory-phenotype CD4 <sup>+</sup> T lymphocytes			

実施結果:

I was honored to be invited to the Chicago American Associated Immunologist conference to present my research by poster. Thanks to this opportunity, I opened my eyes to the latest research in the world. Many studies I heard about focus on the function of CD8<sup>+</sup> cells or CD8<sup>+</sup> memory cells in tumors and immunotherapy, but less about CD4<sup>+</sup> T cells. That make me feel the greatest potential of CD4<sup>+</sup> T cells research in the future. For my poster presentation, I showed that the inhibitory role of Tregs in memory phenotype (MP) cell proliferation and differentiation in the peripheral organs. Foreign researchers were interested in my research and asked me a lot of questions. Specifically, I believe that the following outcomes were achieved: 1. The poster discussion helped me understand the shortcomings of my research and improved my studies and papers. 2. The studies that came out of the conference, such as the effect of  $\gamma$ C cytokines on the maintenance of CD8<sup>+</sup> memory, prompted me to think about next steps in my project. 3. I got additional results from other researchers working on memory phenotype cells that supported my research. More importantly, communication in English were good challenge for me. I would like to utilize the experience I gained here to my future research activities.

This is my first time to participated in the American Society for Immunology and I gained a lot of valuable experience. In front of many excellent researchers, I found that it is very important to communicate my research results in a short period of time and to explain complex contents in simple language. In addition, I am deeply aware of the fact that I am not at a high level compared to other researchers, so I should work harder in the future.

Thank you very much for your support during my participation in this international conference.