

# 201<sup>st</sup> WPI-IIIS Seminar

## Neuroimmune interaction mediating social interaction

There is a growing concept that immune pathways, originally evolved to protect against pathogens, have also been adapted to influence neural circuits involved in behavior. However, the exact molecular mechanisms governing this interaction between the immune and nervous systems remain largely unexplored, partly due to the inherent complexities of both systems. In this seminar, Dr. Ishikawa will discuss how Interleukin-17 ligands and receptors, primarily recognized as immune effector molecules, regulate cortical activities to modulate social behaviors. Her findings illustrate cytokines' pivotal role in bridging the immune and central nervous systems.



## Dr. Tomoe Ishikawa

Simons Center for the Social Brain,  
Massachusetts Institute of Technology

Date: **Monday, July 22, 2024**

Time: **10:00 – 11:00**

Venue: **1F Auditorium, IIIS Building**

**\* On-site participation only**



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