

MCB Student Seminar

Prof. Gil Levkowitz's lab



Tuesday, February 15th, 2022 at 11:00

The seminar will start with an introduction by the PI.
Please follow the zoom link to enter:

<https://weizmann.zoom.us/j/93598471184?pwd=ZVBCaWRaMk9tZ3Rzb1ZhNTcyZ0hoUT09>



Dr. Amrutha Swaminathan

Will lecture about:

**To be more resilient to stress,
turn down the immune system!**

Individuals in a population respond differently to stress. While some are able to recover quickly and more efficiently, others are susceptible to the same stressors. Being in a state of stress for a prolonged period of time can result in conditions like anxiety and depression. In our effort to understand when and how these differences in recovering from stress are established, I used zebrafish as a model, since it is challenging to identify resilience in young mammals. I developed a new behavioural tool using zebrafish larvae and observed that resilience to stress is determined and exhibited early in life as a stable and inherited trait. I will present data demonstrating that the establishment of resilience involves centrally acting neuropeptides and peripheral innate immune factors.