



הנכם מוזמנים לסמינר עם

ד"ר טקאשי קוואשימה

פקולטה לביולוגיה, מכון ויצמן למדע

הסמינר יתקיים ביום ב' 15.6.20, כ"ג סיון תש"ף, בשעות 14.30-16.00
באופן מקוון

נושא ההרצאה:

How does serotonin help us learn?

Serotonin is a neurotransmitter that orchestrates neural activity across the brain during adaptive behaviors. Malfunction of the serotonin system affects learning abilities and often result in psychiatric disorders. Despite its importance, it remains mostly elusive how the serotonin system facilitates learning based on information from the external world. We use a tiny transparent fish as a model and apply advanced optics to visualize such working principles of the serotonin system. I will introduce what we have found in our study, along with the history and recent progress of the research field. We will also discuss its (potential) implications for educational methodologies.