

Development of infrared fish tracking.

Position: Internship/Master thesis, ~ 2 months duration, starting as soon as March 2017

Description: We are searching for a highly motivated Master student who will implement stable video tracking of fish position in an aquarium, under varying illumination conditions. S-he will design a setup where fish movements will be recorded using a near infrared-enhanced camera upon near-infrared illumination. S-he will also design a software enabling off and/or on-line video tracking enabling robust fish detection.

S-he will profit from the dynamic and international scientific environment in the Yaksi laboratory (www.yaksilab.com) at the Kavli Institute for Systems Neuroscience, Trondheim, Norway.

Requirements: The applicant must have a background in optic engineering and computational skills (Matlab, Python or C++). S-he should have English proficiency, be energetic, able to work independently and a problem solver.

Contact: If interested, contact Dr. Kermen (florence.kermen@ntnu.no) and Prof. Yaksi (emre.yaksi@ntnu.no)