



TOMMASO CAUDULLO

NEUROBIOLOGIST

EDUCATION

PHD IN NEUROBIOLOGY



2019 - Present

“Novelty detection and efficient coding in the zebrafish homolog of piriform cortex”

Advisor: Prof. Dr. Rainer W. Friedrich

Institution: Friedrich Miescher Institute of Biomedical Research (FMI) - Basel (CH)

- Caudullo TC & Friedrich RW (in preparation)

M. SC. IN BIOLOGY



2016 - 2019

“Excitatory and inhibitory connectivity patterns in the stressed mouse hippocampus”

Advisor: Dr. Alessio Attardo

Institution: Max Plank Institute for Psychiatry - Munich (DE)
Ludwig Maximilian University (LMU) - Munich (DE)

- Caudullo TC et al. (in preparation)

B. SC. IN BIOLOGY



2013 - 2016

“Analysis and optogenetic perturbation of the hippocampal output to medial entorhinal cortex”

Advisor: Prof. Dr. Anton Sirota

Institution: Ludwig Maximilian University (LMU) - Munich (DE)

INTERNSHIPS

“Analysis of hippocampal time and place cell data”

2017 - 2018

Advisor: Dr. Kay Thurley

“Sequence replay in a model of hippocampal area CA3”

2016

Advisor: Prof. Dr. Christian Leibold

“IHC analysis of ion channel distribution in mouse S1 astrocytes”

2015

Advisor: Prof. Dr. Lars Kunz

Institution: Ludwig Maximilian University (LMU) - Munich (DE)

KEY RESEARCH SKILLS

- *Ex vivo* and *in vivo* 2p imaging of neuronal activity
- High-density extracellular ephys and optogenetics
- Physiological data analysis and image processing
- Neurosurgical procedures in rodents and fish
- Training and quantification of behavior

tommaso.caudullo@fmi.ch

+41 78 2373820

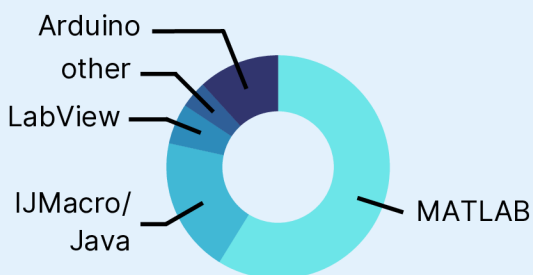
Basel (Switzerland)

REFERENCES AVAILABLE
UPON REQUEST

MY INTEREST

- Neuropil functional recordings
- Brain-wide computing
- Knowledge representation
- Sensory processing
- Brain-computer interfaces

TYPICAL PROGRAMMING



MORE ABOUT ME

- Training and outreach experience
- Fluent in 3 languages
- Veteran entomologist
- Experience in the service industry
- Volunteer work