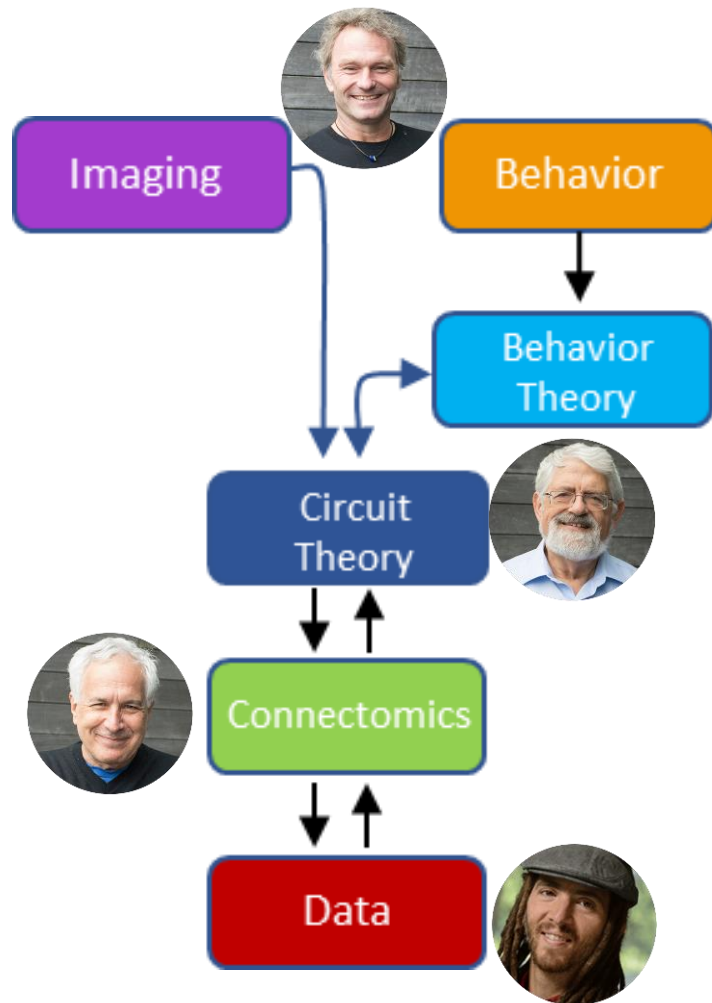
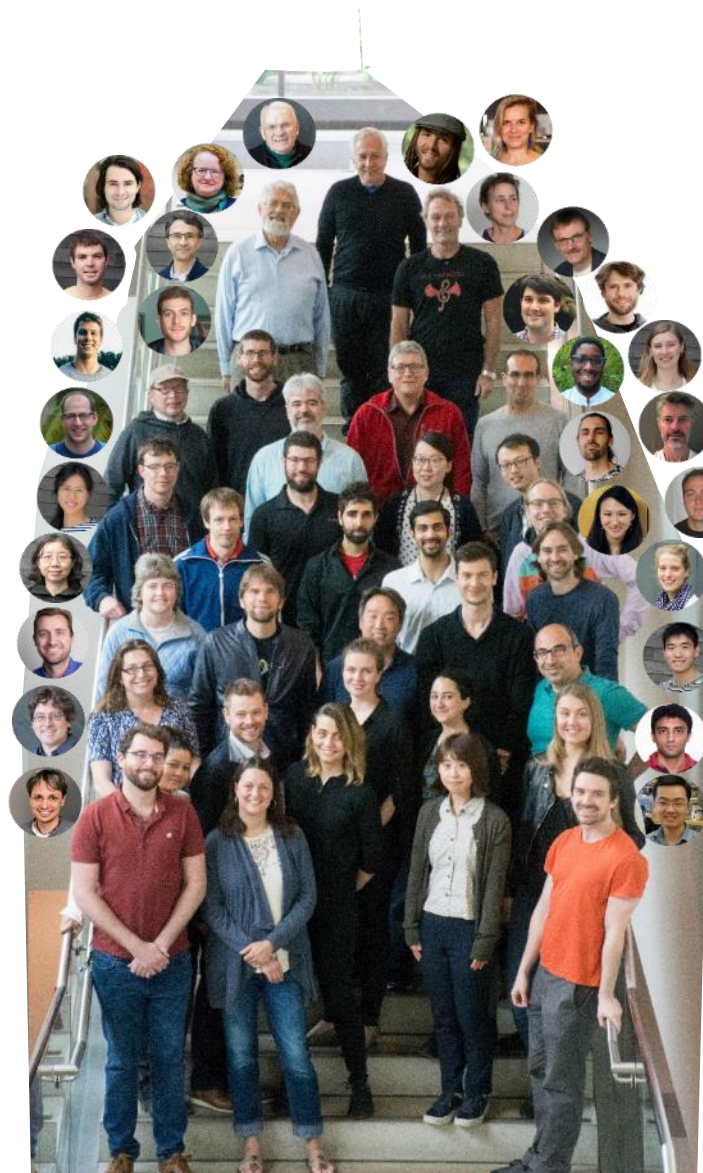


The Strategy



The Team



The Projects (Posters)

- 1 Hunting in 3D
- 2 Habituation and directionality of looming evoked escapes
- 3 Zebrafish and Medaka social interactions - a comparative study
- 4 The genetic and neural basis of social behavior
- 5 Habituation to dark flashes - the cellular mechanisms of escape
- 6 Random dots - behavioral assay
- 7 Electrophysiology in heat sensitive circuits
- 8 Functional and ultra-structural analysis of reorient mechanosensation in larval zebrafish
- 9 Information channels of visual processing in larval zebrafish
- 10 Multisensory detection of aversive salt-water by larval zebrafish
- 11 Scaling laws in animal brains - a comparative study using ultrastructural and functional analysis
- 12 Modeling the OMR
- 13 Probabilistic models of larval zebrafish behavior: structure on many scales
- 14 A predictive model of zebrafish prey motion estimation in three dimensions
- 15 Convergent temperature representations in artificial and biological neural networks
- 16 Convergent Sensorimotor Transformations in Larval Zebrafish
- 17 The neural basis of perceptual decision-making in larval zebrafish
- 18 Change of mind - how to avoid collision with obstacles
- 19 Learning to modulate innate behaviors
- 20 Hypothalamic oxytocin neurons drive defensive responses to noxious stimuli in zebrafish
- 21 A bidirectional network for appetite control in zebrafish
- 22 High-throughput screening for selective appetite modulators
- 23 Social isolation modulates appetite and defensive behavior via a oxytocinergic circuit in larval z
- 24 The Atlas Project
- 25 The Data core
- 26 Multiscale Atlas of the Larval Zebrafish Brain
- 27 Towards a connectome of the larval zebrafish
- 28 The rheotaxis curl detector - an ultrastructural analysis
- 29 Tectal and hindbrain circuitry - an ultrastructural and functional analysis
- 30 The automation of the EM pipeline - Fixation and Cutting
- 31 The automation of the EM pipeline - Imaging
- 32 The automation of the EM pipeline - Alignment and Tracing
- 33 Registration of LM and EM - exploiting the power of the zebrafish genetic toolkit
- 34 Genome editing to produce neuronal specific driver lines
- 35 Nimrod's poster
- 36 Ed's Poster - Overview of Machine Shop
- 37 Brett's Poster - Item's made for the U19
- 38 Claire's project
- 39 Dan Lee's project
- 40 Dave Mclean's project
- 41 Filippo's project
- 42 Organization of neurons that underlie rheotaxis
- 43 Misha's project
- 44 James' project
- 45 Urs' project
- 46 Structure-function relationship analysis of a brain circuit integrating visual information
- 47 Connie's project