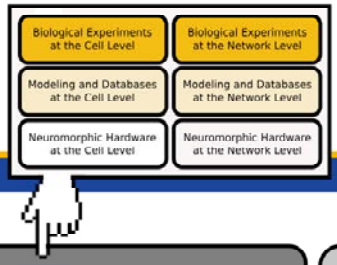


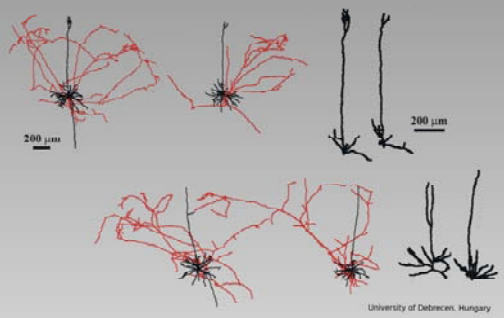
FACETS

Fast Analog Computing with Emergent Transient States

Biological Experiments | Theoretical Studies and Computer-based Models | High Precision Neuromorphic Hardware Systems | Large Scale Neuromorphic Hardware Systems

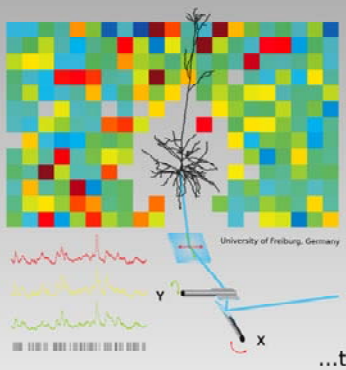
Revealing Structure and Function of Cortical Circuits to Discover New Computational Paradigms

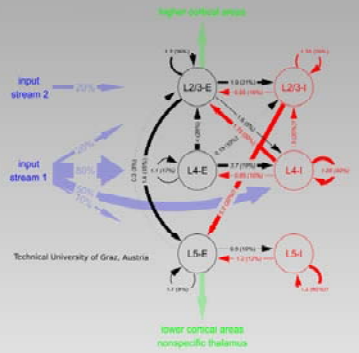
From single neuron morphology...



Understanding computational properties of single neurons

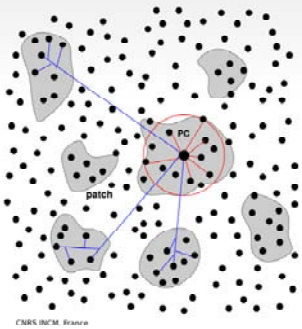
...towards functional connectivity...

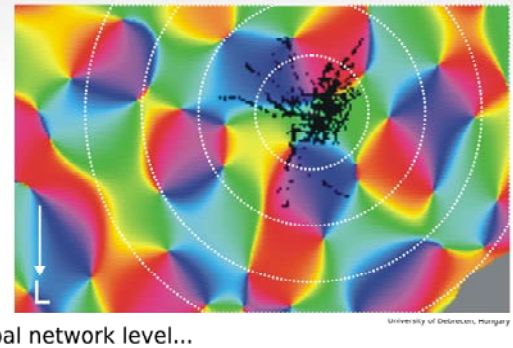




...their interactions in local circuits...

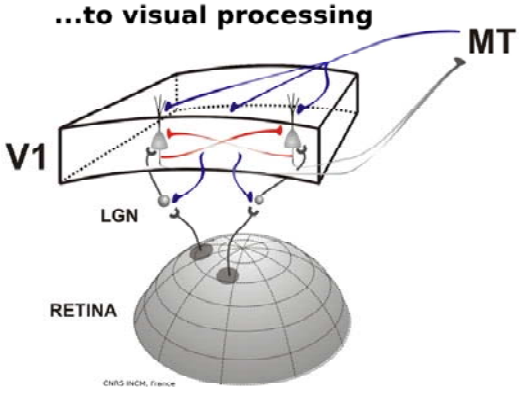
...to cortical maps...

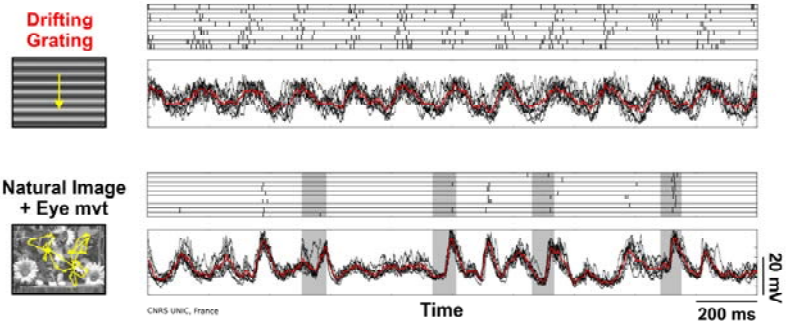




...on the global network level...

...to visual processing





...to understand the principles of sensory processing.

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