80 word summary

Title: How asymmetries in the feedforward signals are exploited by target neurons to elaborate feature selectivity

In my thesis, we examined orientation selectivity and spatial frequency tuning of neurons in the visual pathway of macaques and tree shrews. While many models have been proposed to explain the feature selectivities of neurons, we explore the possibility that these selectivities originate from mild biases established early on in the visual pathway. Such a mechanism may also explain the spatial organization of the various feature selectivities in the visual cortex.