

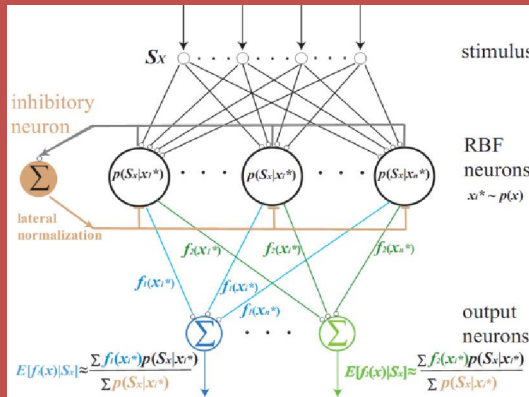


# Neural implementation of hierarchical Bayesian inference by importance sampling 1091

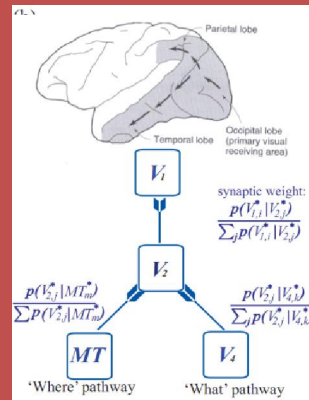
Lei Shi, Thomas Griffiths

## Neural networks for hierarchical Bayes

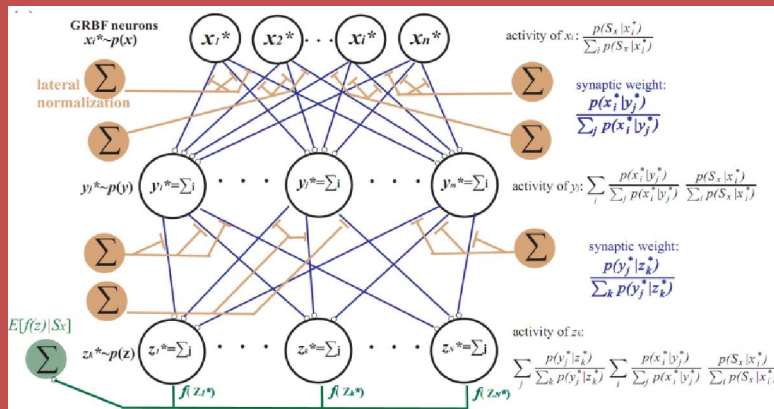
I Building block: importance sampler



I Brain: hierarchical in nature

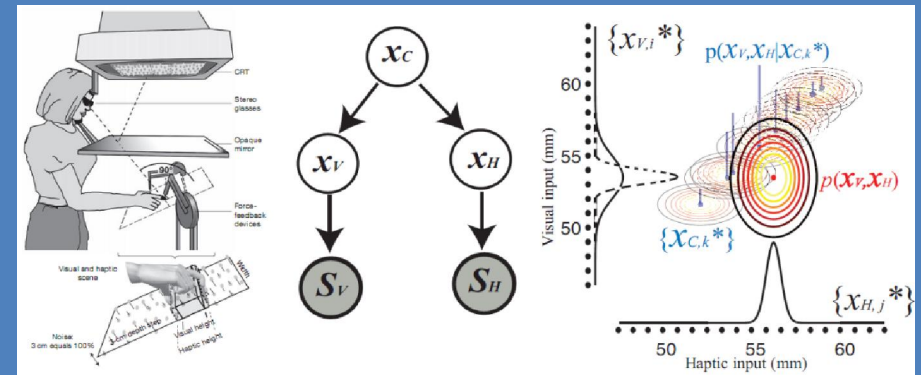


I Hierarchical inference by recursive importance sampling



## Applications in neuroscience

I Combination of cues from sensory modalities



I Explaining oblique effect in visual perception

