

SFX 2014

Workshop on Serial Effects in Perception: Prediction, Priming and Adaptation

11th – 12th December 2014

Seminar Room

Institute of Neuroscience

CNR, Area della Ricerca

Via Moruzzi, 1, Pisa

for detailed information please visit:

www.pisavisionlab.org/sfx2014

Recent studies show that perception is determined both by the current sensory stimuli and the immediate past history. Why does the brain adjust to incorporate the past into current perception? Is this strategy detrimental or beneficial? What are the possible neural substrates? The workshop aims at encouraging discussion in the field gathering more than 10 distinguished researchers worldwide. Confirmed speakers are:

Geoff Boynton, David Burr, Gianluca Campana, Marco Cicchini, Floris de Lange, József Fiser, Peter Foldiak, Aldo Genovesio, Árni Kristjánsson, Larry Maloney, Pascal Mamassian, Isabelle Mareschal, Lars Muckli, Samuel Solomon, Peter Thompson, David Whitney

Participation to the workshop is free of charge. For more info: dave@in.cnr.it or cicchini@in.cnr.it

SERIAL EFFECTS WORKSHOP - 11th -12th December 2014

SCIENTIFIC PROGRAMME

	Start Time	Name	Surname	Title
THURSDAY	14:30	David	Burr	Opening
	14:45	David	Whitney	The Continuity Field (CF): a mechanism for perceptual stability via serial dependence
	15:15	Marco	Cicchini	Serial dependencies cause logarithmic-like compression of the numberline
	15:45	<i>DISCUSSION AND COFFEE BREAK</i>		
	16:15	Lars	Muckli	Cortical predictions during motion illusions
	16:45	Floris	de Lange	How do prior expectations change sensory processing?
	17:15	Aldo	Genovesio	Influence of trial history on prefrontal cortex activity
	17:45	<i>DISCUSSION</i>		
FRIDAY	09:00	Samuel	Solomon	Adaptation in the context of normalization
	09:30	Peter	Foldiak	Anti-Hebbian decorrelation as a model of sensory adaptation
	10:00	Peter	Thompson	Cross-modal transfer of the tilt-aftereffect from vision to touch
	10:30	<i>DISCUSSION AND COFFEE BREAK</i>		
	11:00	Árni	Kristjánsson	How attention priming dominates perception: Influences on attentional choice, crowding, masking and liking of stimuli.
	11:30	Gianluca	Campana	Probing the involvement of the earliest levels of cortical processing in motion extrapolation with rapid forms of visual motion priming and adaptation
	12:00	Pascal	Mamassian	Visual adaptation to changes in statistical properties of the environment
	12:30	<i>L U N C H</i>		
	13:30	Geoff	Boynton	Integrating Visual Information Over Time
	14:00	József	Fiser	Factors that influence judging and guessing about probabilistic event sequences
	14:30	Larry	Maloney	Patterns in noise: A Bayesian account of sequential effects with multiple possible worlds
	15:00	<i>FINAL DISCUSSION</i>		