



Neuronal Language of Perception  
21-22 September 2012



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SISSA - Trieste



International School for Advanced Studies

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**SISSA**  
**Via Bonomea, 265**  
**Trieste**



marco gigante  
tactile perception and learning lab

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Ehsan Arabzadeh	University of New South Wales, Sydney	Whisker system: population coding and behaviour
Carlos Brody	Princeton University	Optimal accumulation of evidence for decision-making in humans and rodents
Mathew Diamond	SISSA	Whiskers, neurons, and behavior in two tasks –texture and vibration
Christian Machens	Champalimaud Institute, Lisbon	Demixing the information contained in neural population responses
Miguel Maravall	Institute of Neurosciences, Alicante	Sensory response diversity and the thalamocortical transformation: possible roles of short-term plasticity
Rodrigo Quiroga	University of Leicester	Concept cells: the building blocks of declarative memory functions
Rasmus Petersen	University of Manchester	What the rat's whiskers tell the rat's cortex
Simon Rumpel	Research Inst. of Molec. Pathology, Vienna	Discrete dynamics in the auditory cortex

at 7:30 pm, Thursday, 20 September  
 visitors meet for dinner at **Antico Panada**, Via Rossini, 8 -- Trieste

Time	Friday	Saturday
	21 September	22 September
8:00 :01-30		
:31-00	<b>meet at 08.50</b>	
9:00 :01-30	<b>9.00, depart hotels in taxi</b>	<i>Video greeting. Prof. Martinelli</i>
:31-00	<b>check-in</b>	<i>where from here? – open discussion -</i>
10:00 :01-30	<b>Free time; Lab visit</b>	<i>where from here? – open discussion -</i>
:31-00	<b>Free time; Lab visit</b>	<b>Coffee break, 7<sup>th</sup> floor</b>
11:00 :01-30	<b>Coffee break, 6<sup>th</sup> floor terrace</b>	<i>where from here? – open discussion -</i>
:31-00	<b>Rasmus</b> - What the rat's whiskers tell the rat's cortex	<i>where from here? – open discussion -</i>
12:00 :01-30	<b>Miguel</b> - Sensory response diversity and the thalamocortical transformation: possible roles of short-term plasticity	<i>where from here? – open discussion -</i>
:31-00	<b>discussion</b>	<b>Departures</b>
13:00 :01-30	<b>Lunch, SISSA cafeteria</b>	Lunch at
:31-00	<b>Lunch</b>	<b>Pizzeria Nuova Mormorazione</b> for those with later departure
14:00 :01-30	<b>Lunch</b>	
:31-00	<b>Rodrigo</b> - Concept cells: the building blocks of declarative memory functions	
15:00 :01-30	<b>Christian</b> - Demixing the information contained in neural population responses	
:31-00	<b>Ehsan</b> - Whisker system: population coding and behaviour	
16:00 :01-30	<b>discussion</b>	
:31-00	<b>Coffee break</b>	
17:00 :01-30	<b>Simon</b> - Discrete dynamics in the auditory cortex	
:31-00	<b>Mathew</b> - Whiskers, neurons, and behavior in two tasks –texture and vibration	
18:00 :01-30	more <b>Mathew</b>	
:31-00	<b>Carlos</b> - Optimal accumulation of evidence for decision-making in humans and rodents	
19:00 :01-30	<b>discussion</b>	
:31-00	departure for <b>Milič agriturismo</b>	