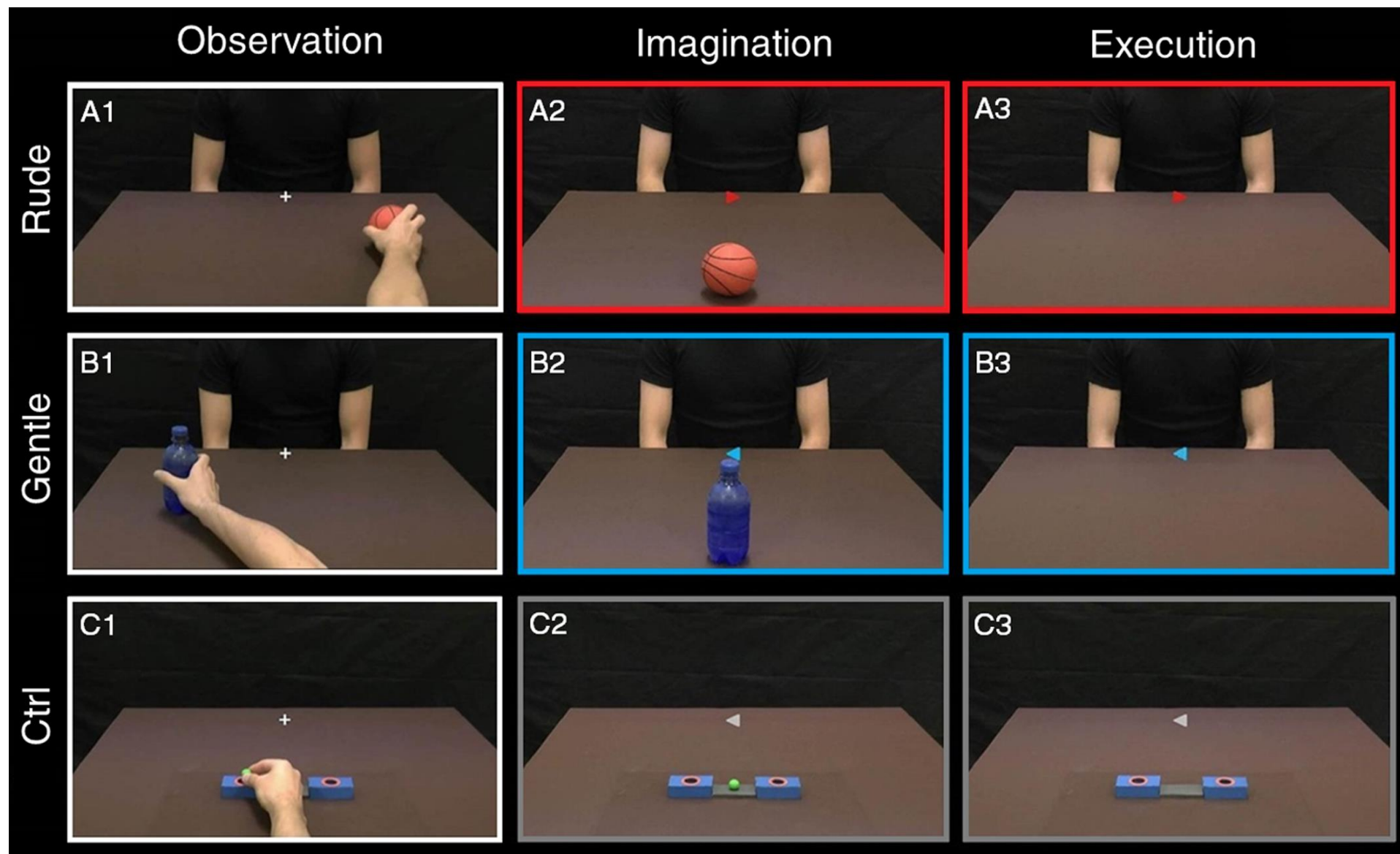
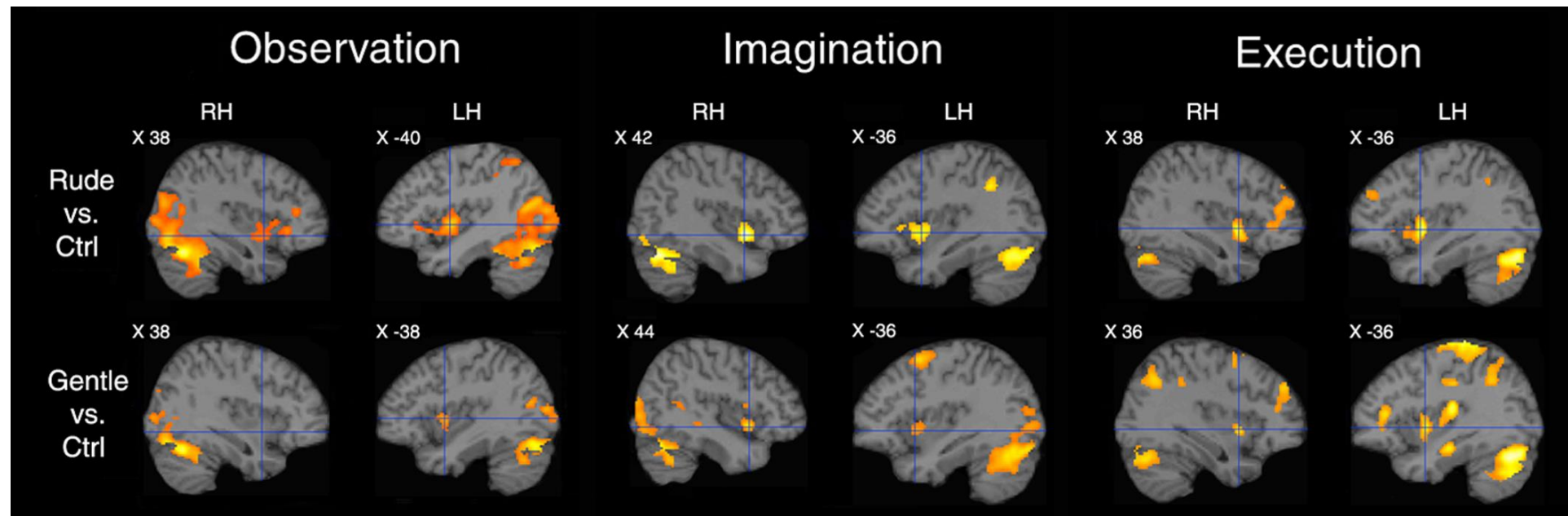


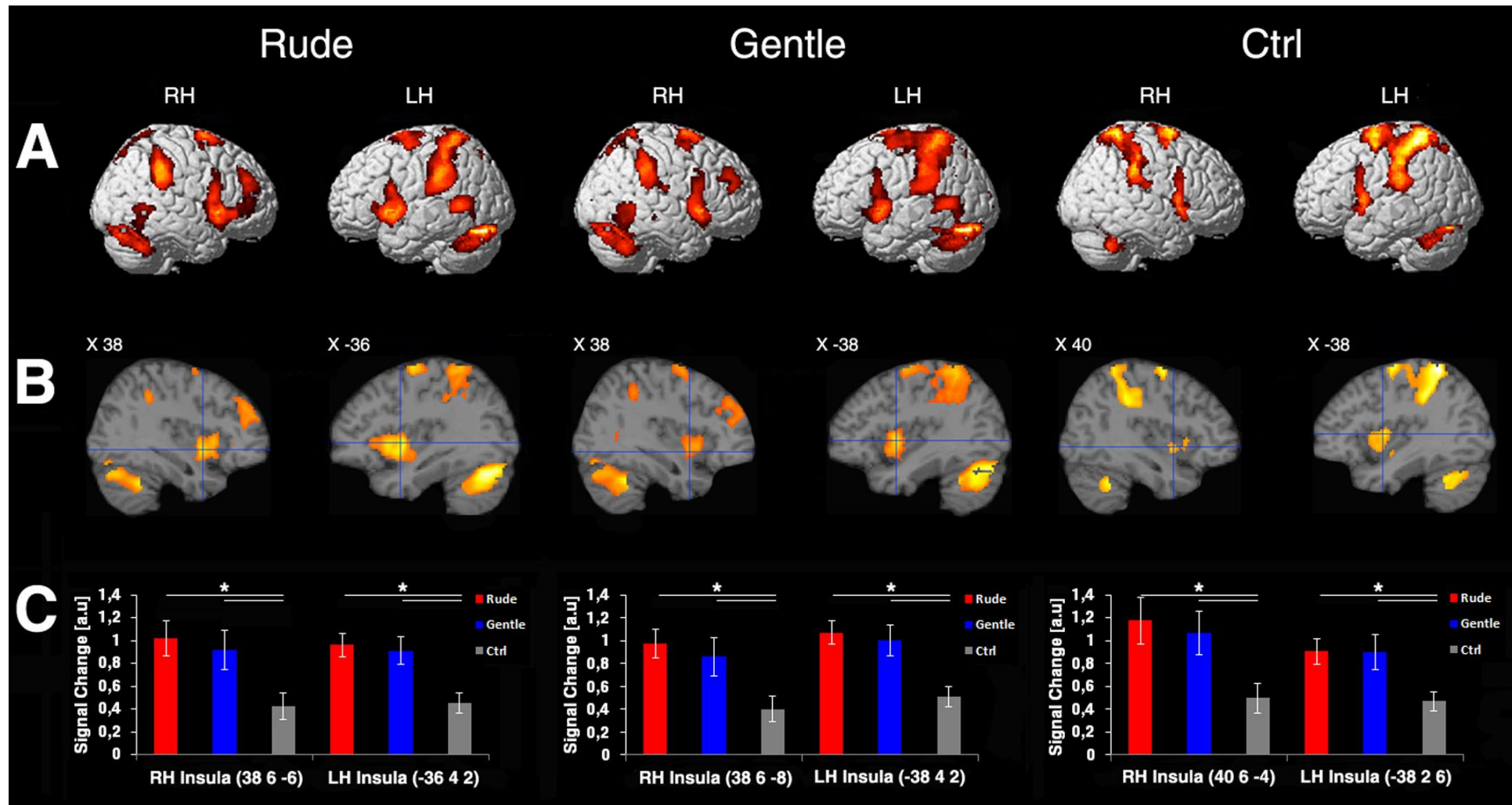
# Vitality forms e sistema specchio

It is a Gestalt that emerges from the theoretically separate experience of movement, force, space and intention, and that represents a constant and underlying lived experience in the personal life as well as the relationship with others.

D. Stern, Vitality forms (2010)



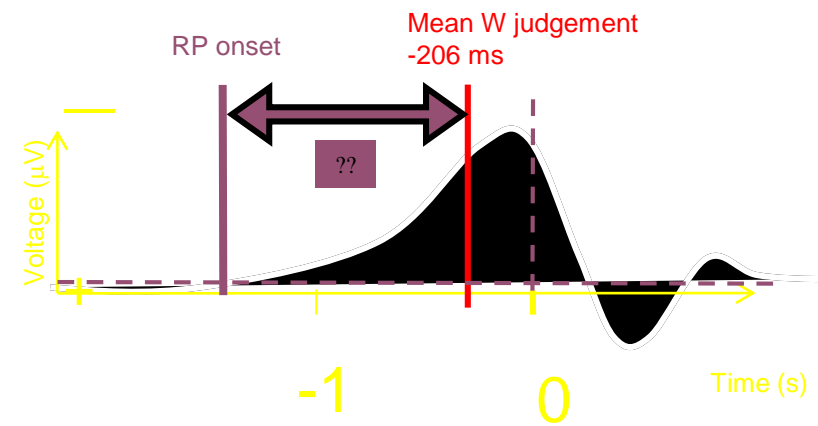
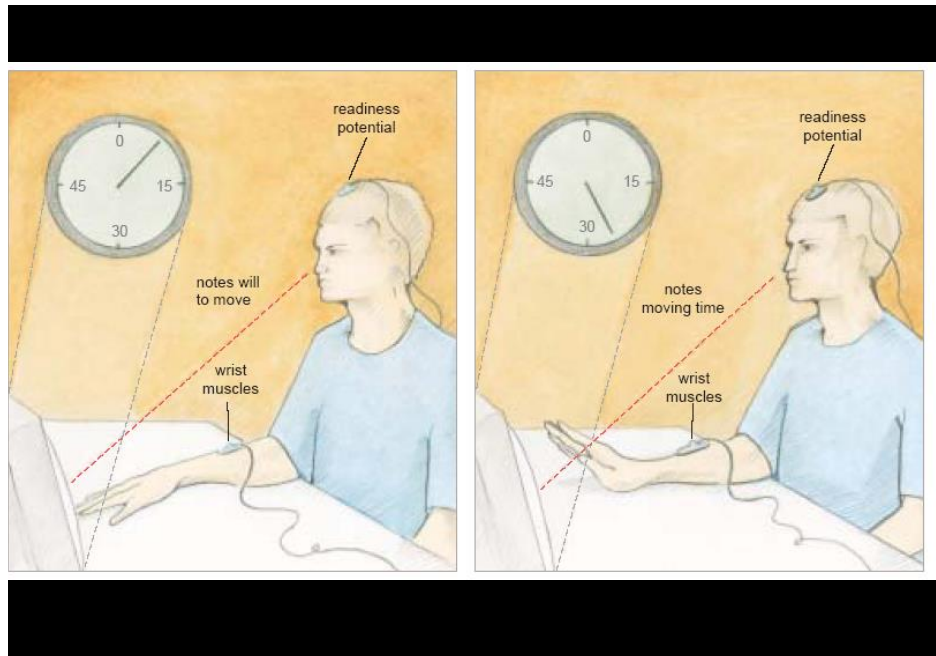
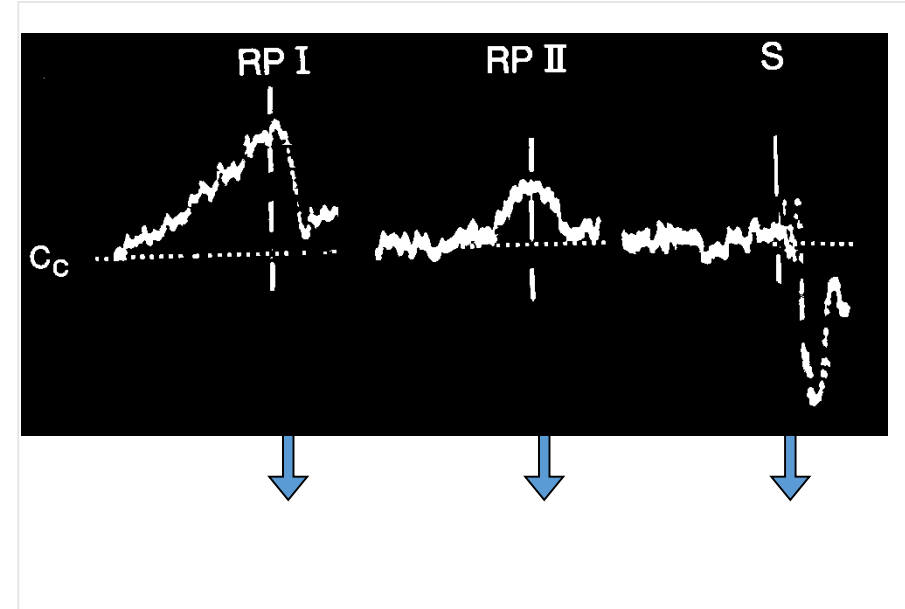




Analisi di congiunzione tra le varie condizioni

Comprensione dell'intenzione

# Inizio “inconscio” dell’attività cerebrale e ruolo dell’ intenzione conscia nell’azione volontaria



Proposte di definizione di “Intenzione”:

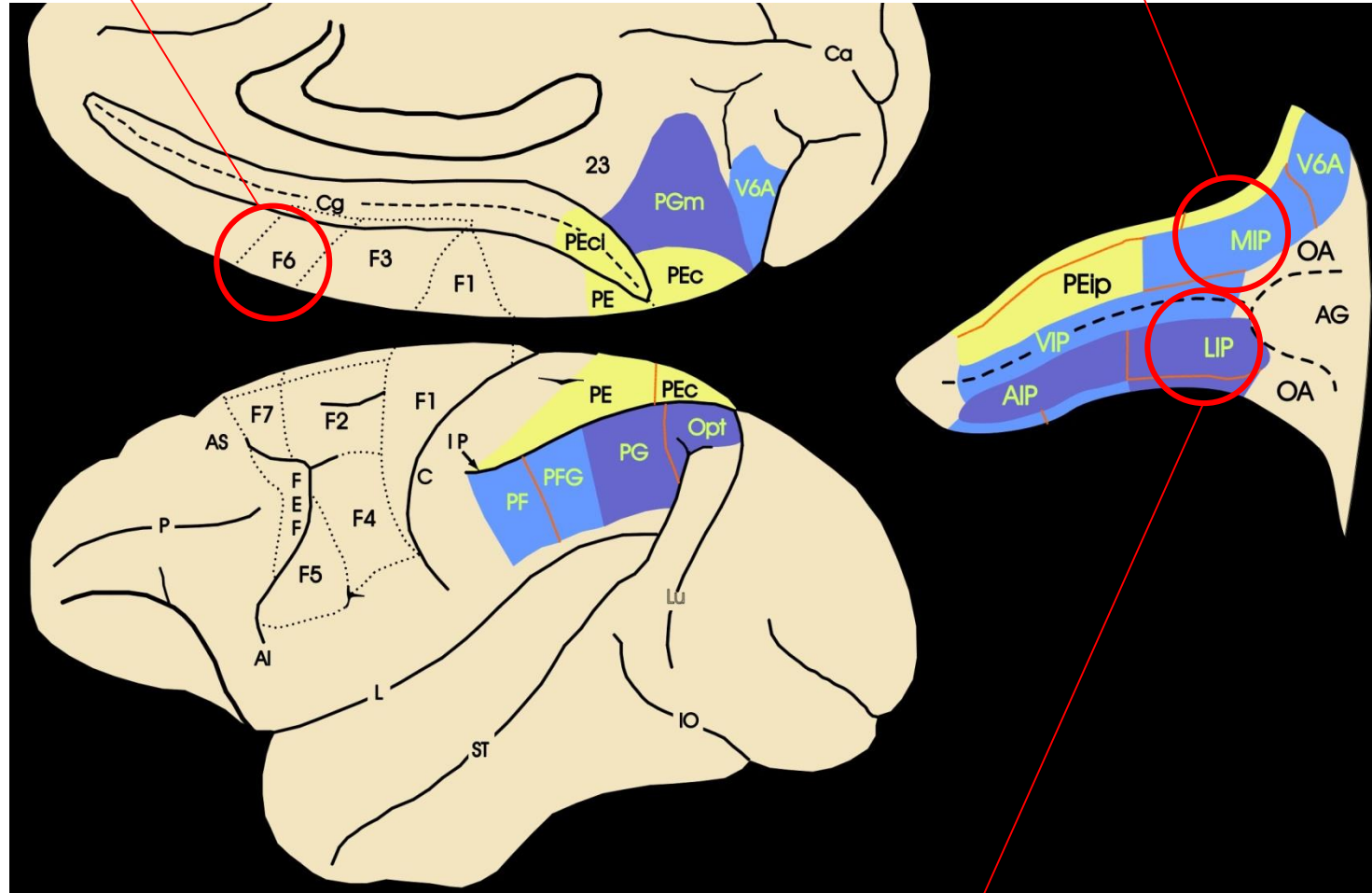
- *Searle, 1983*. Prior intention (svolgere un’azione in un momento successivo) e intention in action (lo stato interno che guida e controlla un atto)
- *Brand 1984* Intenzione prospettica e immediata
- *Mele 1992*. Intenzione prossimale e distale
- *Pacherie 2008*. Intenzioni prossimale, distale e motoria

Concetti unificanti: “Scopo” e “Mezzi” per raggiungerlo



Prontezza a muoversi  
Decisione di iniziare un atto motorio  
o un movimento

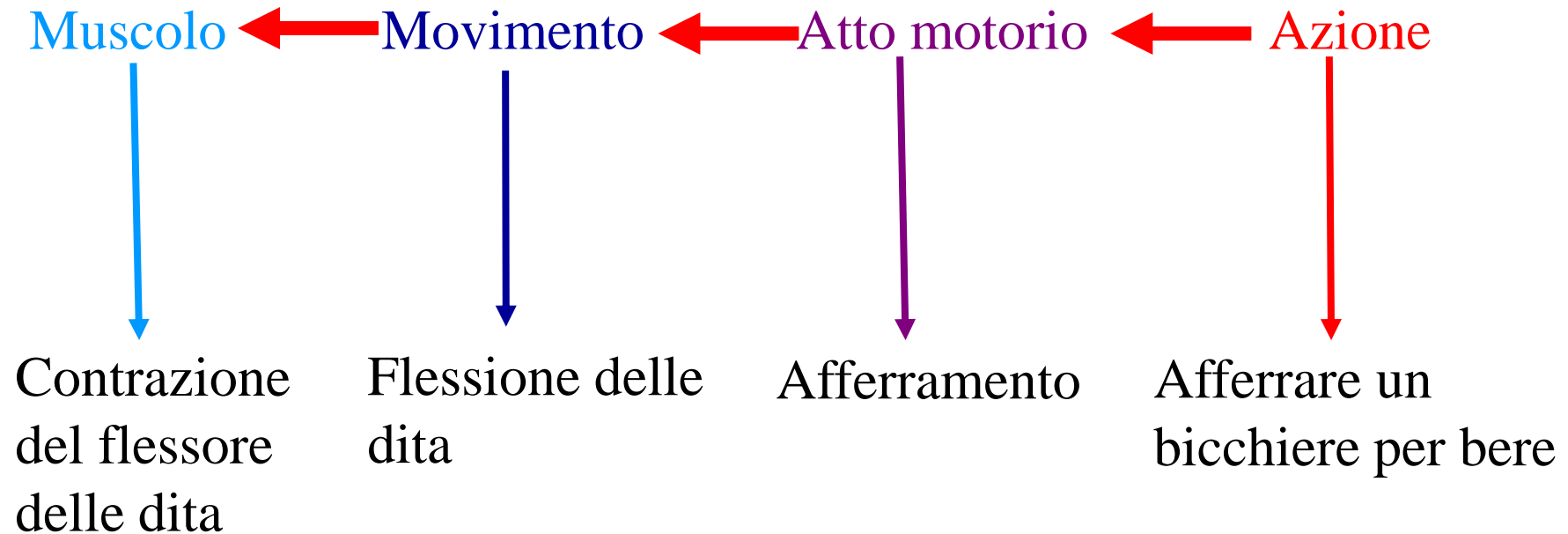
Preparazione di un movimento  
di raggiungimento



Preparazione di un movimento  
saccadico

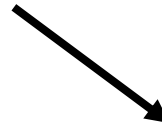
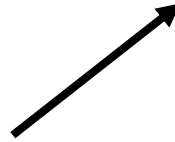


# Organizzazione dell'azione

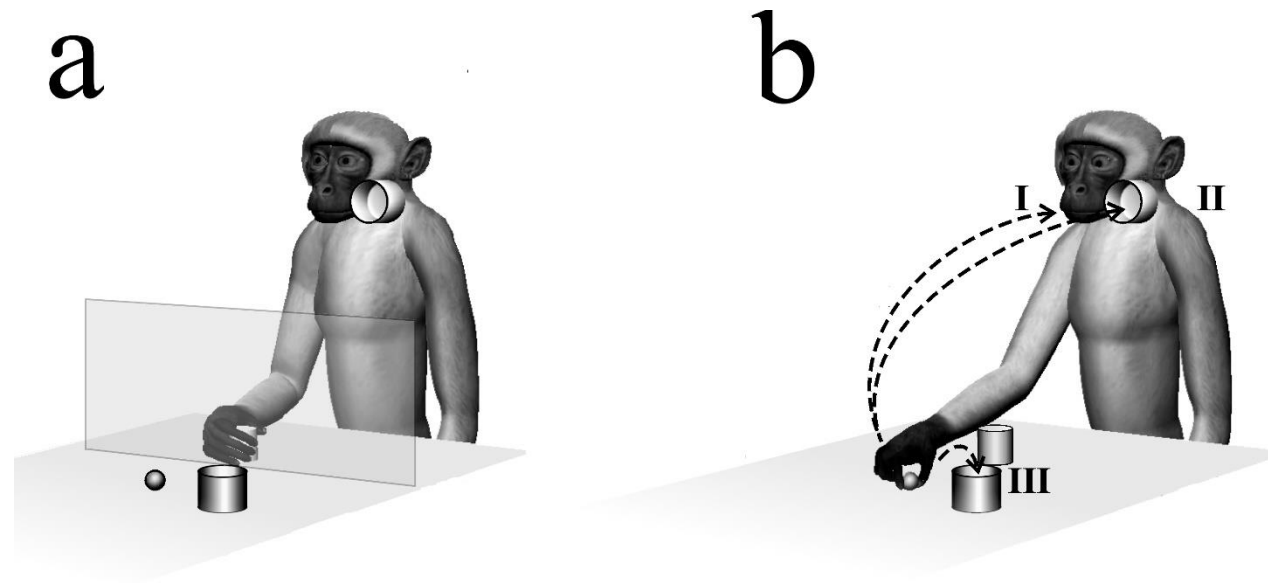


Action = Sequenza di atti motori

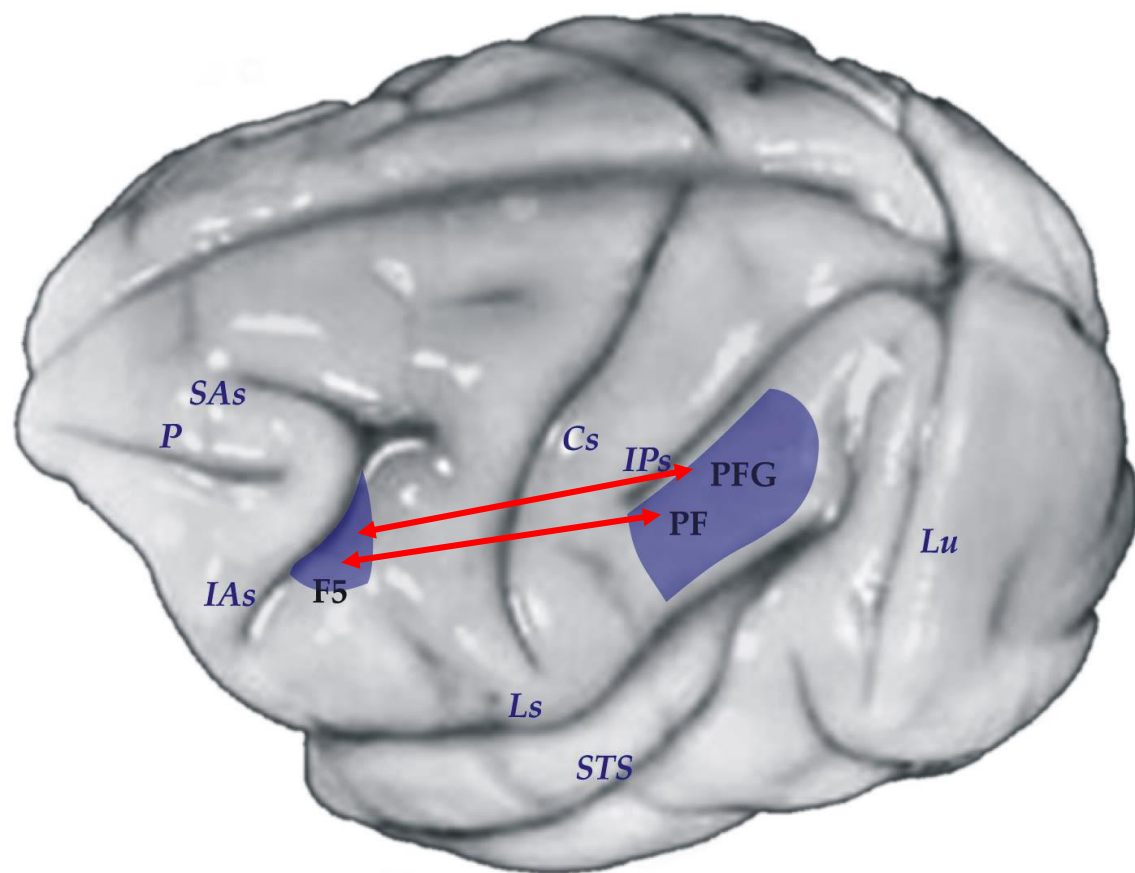
Un atto motorio può appartenere ad azioni con differenti scopi finali (intenzioni differenti)



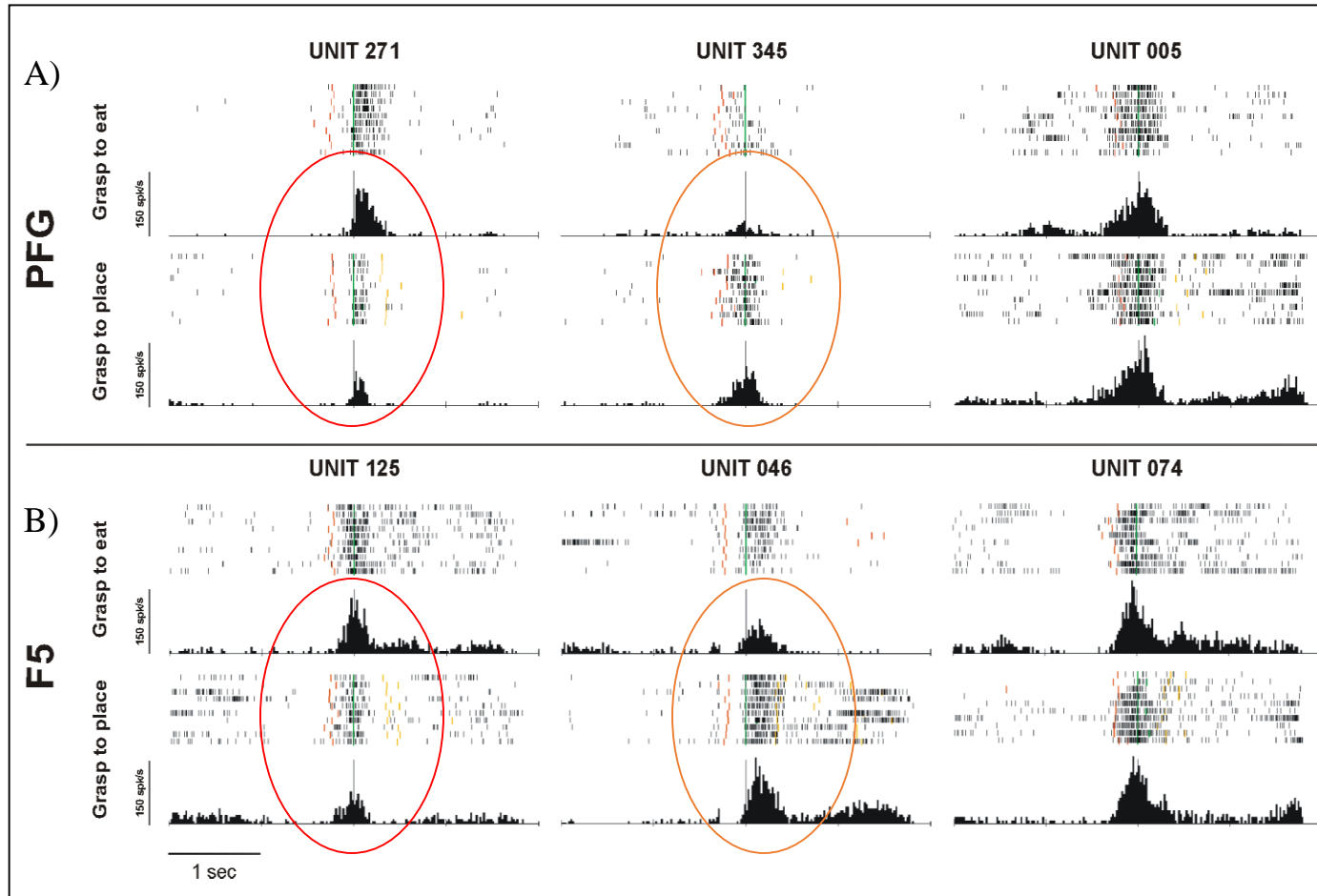
# Sequenza motoria



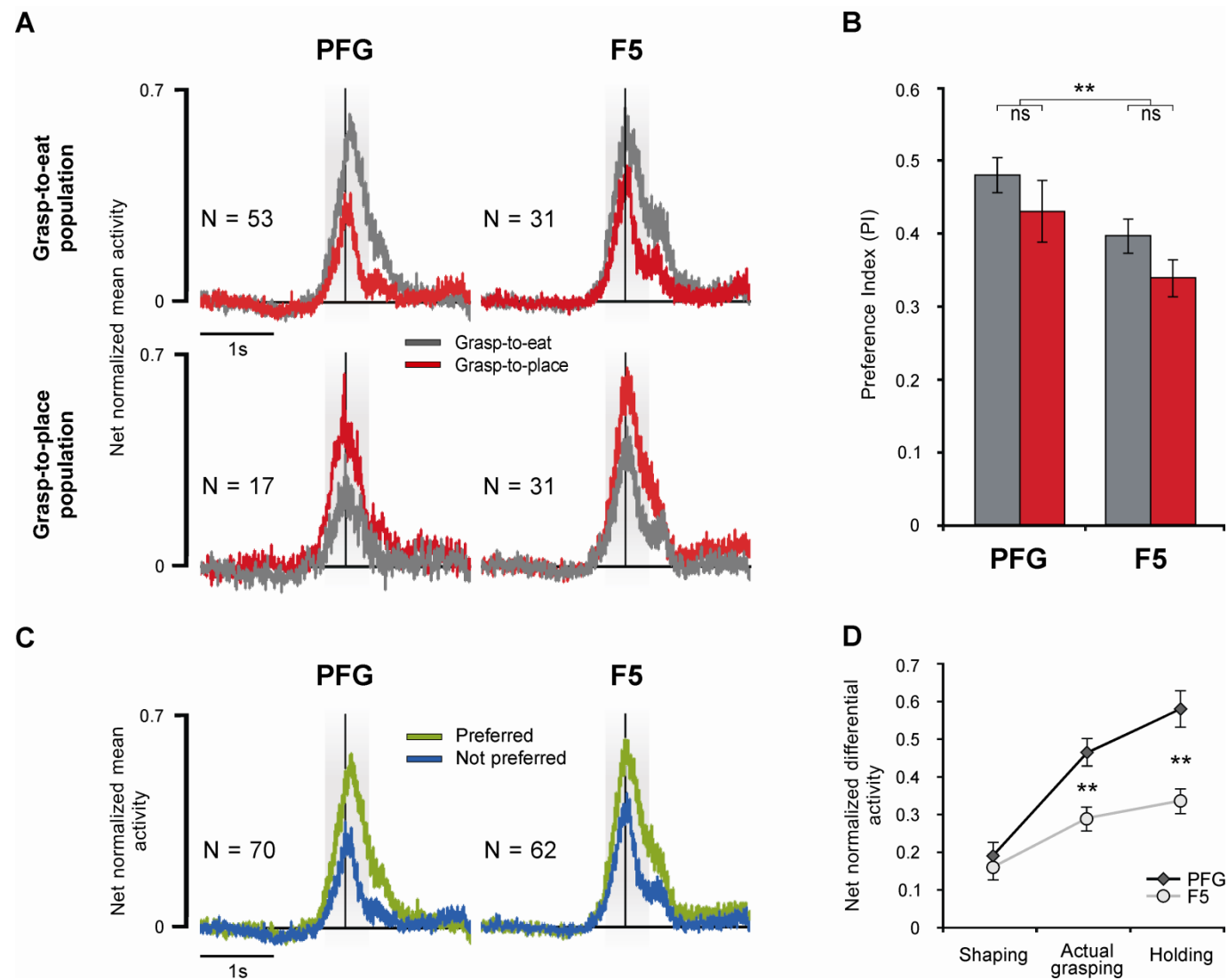
Fogassi et al. 2005; Bonini et al. 2010



# Attività dei neuroni di PFG e F5 durante l'esecuzione del compito motorio



I neuroni di PFG and F5 riflettono l'intenzione dell'agente

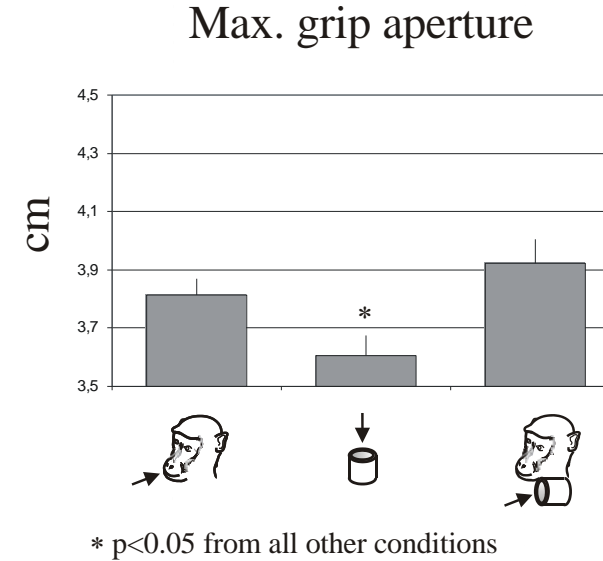
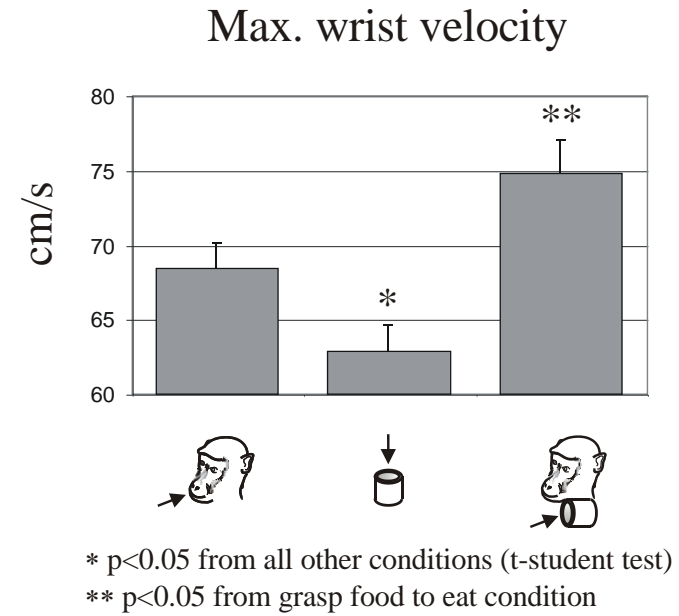


# Codifica dello scopo dell'azione nei neuroni di afferramento di PFG and F5 durante l'esecuzione del compito motorio

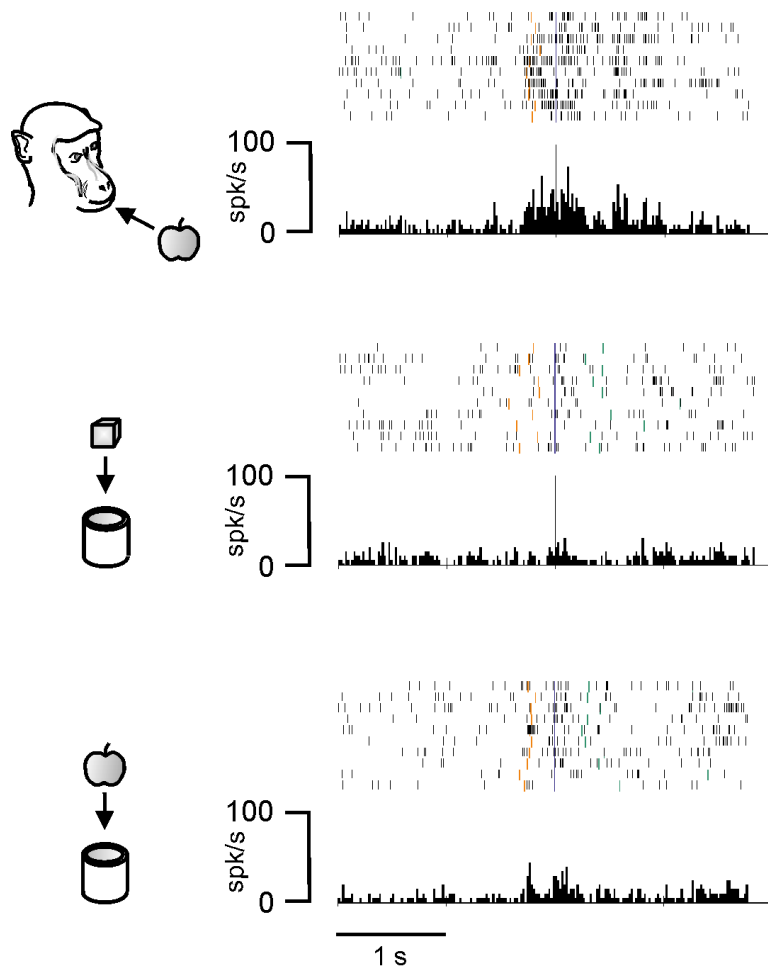
A) PFG neurons			
Action Goal Related		Not Action Goal Related	Total
<b>Eating &gt; Placing</b>	<b>Placing &gt; Eating</b>	<b>Eating = Placing</b>	
<b>53</b> (75.7%)	<b>17</b> (24.3%)		
<b>70</b> (54.7%)		<b>58</b> (45.3%)	<b>128</b> (100%)
B) F5 neurons			
Action Goal Related		Not Action Goal Related	Total
<b>Eating &gt; Placing</b>	<b>Placing &gt; Eating</b>	<b>Eating = Placing</b>	
<b>31</b> (50.0%)	<b>31</b> (50.0%)		
<b>62</b> (39.5%)		<b>95</b> (60.5%)	<b>157</b> (100%)



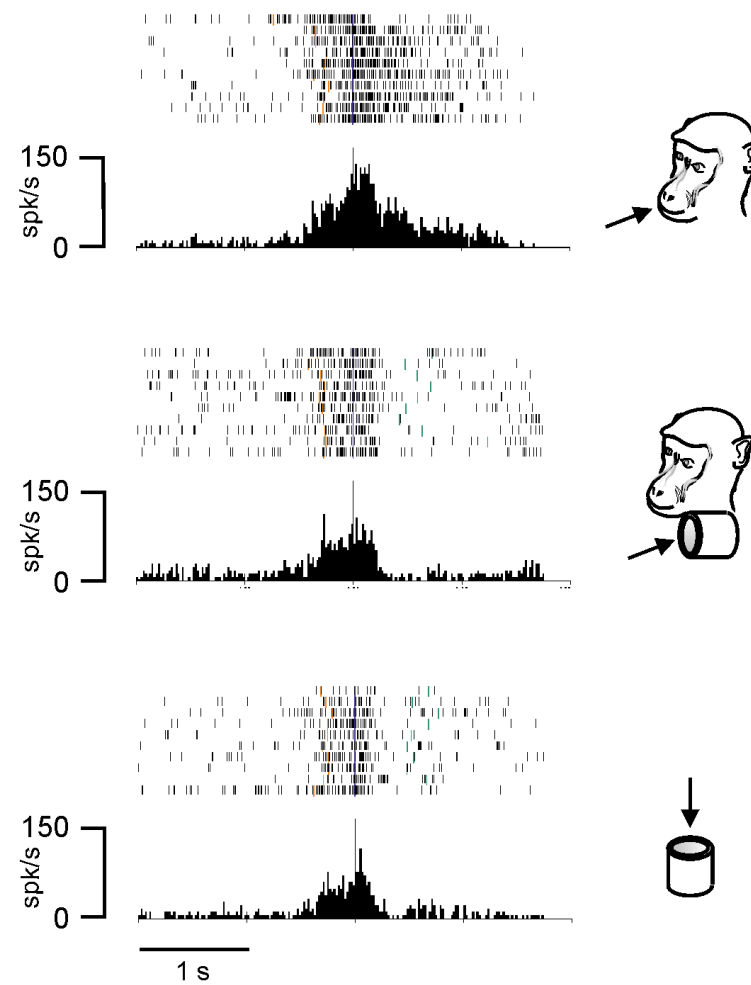
La cinematica è differente nelle varie condizioni, ma non spiega la differenza nella scarica neuronale



U122

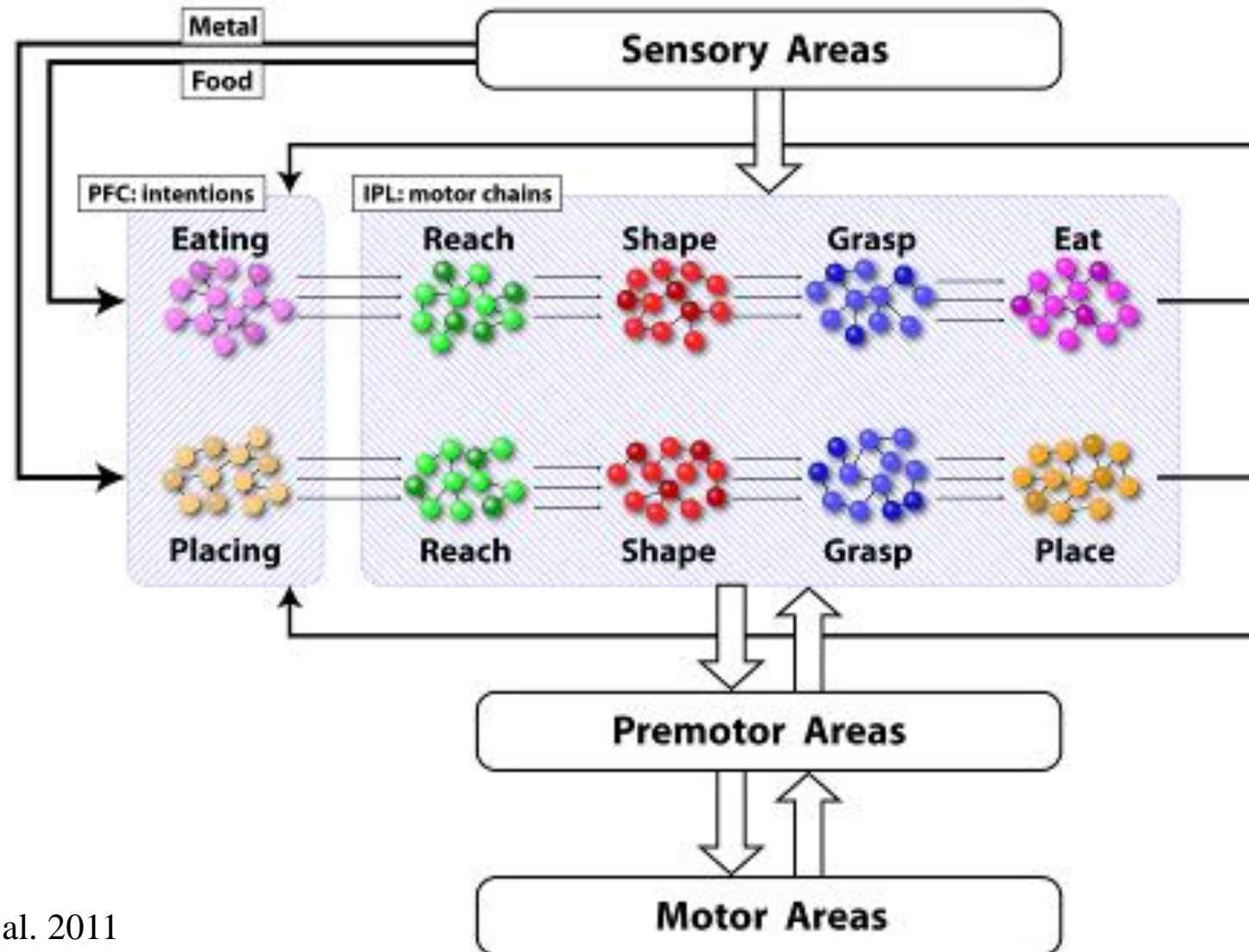


U43



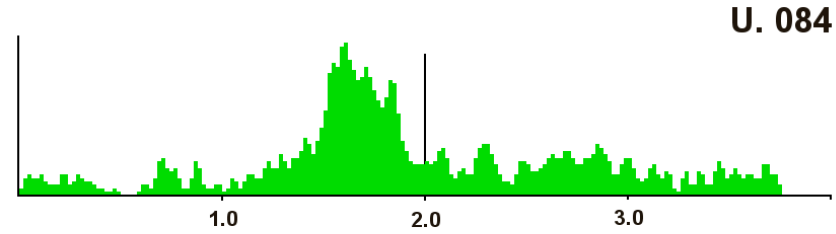
# Catene intenzionali nella corteccia parietale

Compito motorio

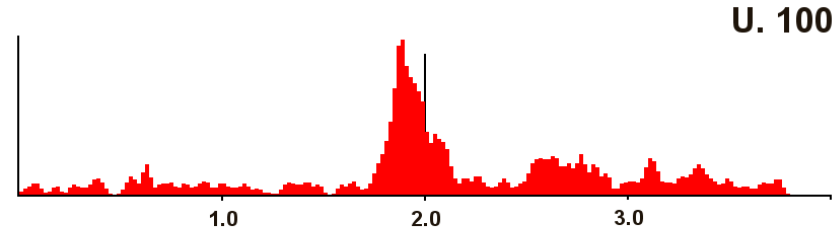


# Catena motoria intenzionale

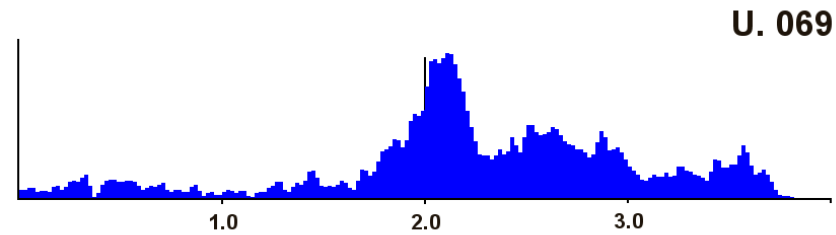
Raggiungimento



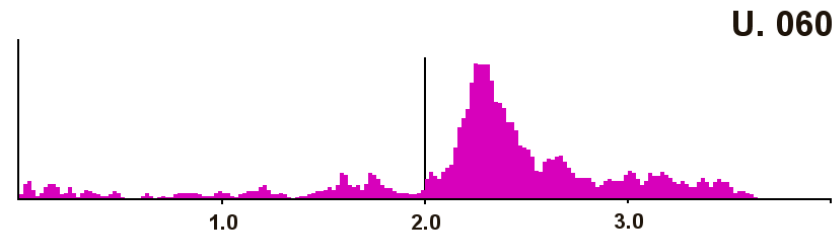
Configurazione



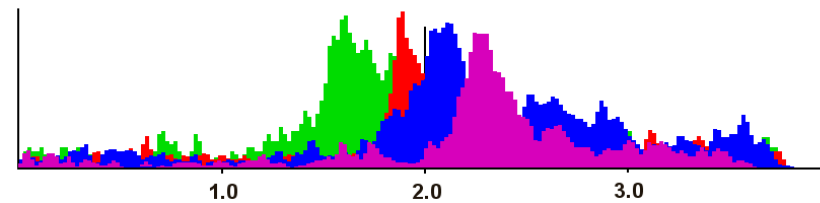
Afferramento



Portare alla bocca



Azione completa



# Mappe motorie nel lobulo parietale inferiore

