

# Brain Mapping Center SEMINAR SERIES

**Sponsored by John C. Mazziotta, M.D., Ph.D.**

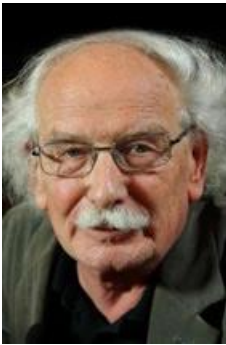
Vice Chancellor, UCLA Health Sciences

Dean, David Geffen School of Medicine at UCLA

Founding Director, UCLA Ahmanson-Lovelace Brain Mapping Center

## 2<sup>nd</sup> Biennial Lovelace Lecture

### Mirror Neurons: Past, Present, and Future



#### **Giacomo Rizzolatti, M.D.**

Department of Neuroscience  
University of Parma, Italy

The mirror mechanism is a basic mechanism that transforms sensory information into a motor format. In the first part of my talk I will describe the functions of the mirror mechanism that is located in the parieto-frontal network of the macaque monkey. I will then present human data on the same network discussing the specific way in which the mirror mechanism enables us to understand others. This mechanism mediates what I named (with Corrado Sinigaglia) "understanding others from inside." In the third part of my talk I will discuss the role of the mirror mechanism in understanding the basic Darwinian emotions and the subtle emotional states that Daniel Stern called "vitality forms." I will conclude by discussing the link between the motor system, including the mirror system, and autism spectrum disorder as well as some clinical applications of the mirror concept.

**May 28, 2015 11:00 am - 12:00 pm**

**Neuroscience Research Building (NRB 132)  
635 Charles E. Young Dr. South**