

## PERSONAL INFORMATION

**Roberto Cantello, born in Turin, Italy, 31 May 1955**

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 <http://www.med.unipmn.it/edu/mt/ricerca/lab/neurologia/cantello-en>

## WORK EXPERIENCE

- 2011–Present **Chairman, Department of Neurology, and Specialty Training School of Neurology**  
University of Piemonte Orientale , Azienda Ospedaliero-Universitaria “Maggiore della Carità”, Novara (Italy)
- 2001–Present **Director of the Epilepsy Clinic and Clinical Neurophysiology Laboratory**  
University of Piemonte Orientale, Azienda Ospedaliero-Universitaria “Maggiore della Carità”, Novara (Italy)
- 1993–2001 **Assistant Professor of Neurology**  
University of Piemonte Orientale, “Maggiore” Hospital, Novara (Italy)
- 1987–1993 **Medical Assistant in Neurology**  
Ospedale Civile di Pinerolo, Torino, then at “Maggiore” Hospital, Novara (Italy)

## EDUCATION AND TRAINING

- 2001–Present **Associate Professor of Neurology**  
University of Piemonte Orientale, Novara (Italy)
- 1993–2001 **Assistant Professor of Neurology**  
University of Piemonte Orientale, Novara (Italy)
- 1985–1987 **PhD in Neurosciences**  
University of Torino, Torino (Italy)
- 1985 **Research fellow (under Prof. C.D. Marsden)**  
Department of Neurology, Institute of Psychiatry, University of London, London, (United Kingdom)
- 1984 **Specialist in Neurology**  
University of Torino, Torino (Italy)

1980 **Medical doctor**  
University of Torino, Torino (Italy)

## PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

|         | UNDERSTANDING |         | SPEAKING           |                   | WRITING |
|---------|---------------|---------|--------------------|-------------------|---------|
|         | Listening     | Reading | Spoken interaction | Spoken production |         |
| English | C1            | C1      | C1                 | C1                | C1      |
| French  | A2            | A2      | A2                 | A2                | A2      |

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user  
[Common European Framework of Reference for Languages](#)

## RESEARCH

### CLINICAL NEUROLOGY

- Professor Cantello was the author or co-author of many reports on clinical cases, of clinical trials on antiparkinsonian and antiepileptic drugs (e.g. vigabatrin, topiramate, lamotrigine, oxcarbamazepine, eslicarbamazepine), and of reviews on the mechanisms of action of antiepileptic drugs as well as the treatment of epilepsy. His most cited papers deal with the biological bases of depression in Parkinson's disease. He conducted clinical research according to the guidelines of the Good Clinical Practice (GCP).

### CLINICAL NEUROPHYSIOLOGY

- Professor Cantello was the co-author of studies on nerve conduction alterations in diabetic neuropathy and on conduction velocity in normal muscle fibers, originally devised by Dr. Walter Troni, University of Torino. In the past 25 years Professor Cantello focussed his interest onto the (patho)physiology of the motor cortical areas, with special reference to Movement Disorders, Epilepsy and Sleep Disorders. He was co-author of papers onto the Bereitschaftspotential and its changes due to levodopa treatment or Parkinson's disease, originally devised by Professor CD Marsden and Professor JC Rothwell (University of London). His most cited papers deal with Transcranial Magnetic Stimulation (TMS), particularly the original description of the "cortical silent period" i.e. an index of cortical inhibitory neural activities. Professor Cantello described the changes in the cortical silent period that occur in Parkinson's disease. He also studied several aspects of cortical inhibition in subtypes of Epilepsy.

### FUNDING

- Professor Cantello received funding from the Italian Ministry of University and Research, from the Regional Authority of Piemonte, from the University Piedmont East "A. Avogadro", from private companies and private subjects.

### PUBLICATIONS

- Scientific papers with "impact factor" (IF) = 130
- H-index = 29
- Platform/poster Presentation at national or international events = ca 320.

### SCIENTIFIC COOPERATION

- Università di Siena, Dipartimento di Neuroscienze, Sezione Neurologia (Dr Simone Rossi)
- Department of Neurology, Children's Hospital, Harvard Medical School, Boston, MA, USA;

Berenson-Allen Center for Noninvasive Brain Stimulation, Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, MA, USA. (Dr. Erica Bae, Prof. Alvaro Pascual-Leone, Dr. Alex Rotenberg)

- Sobell Department of Motor Neuroscience and Movement Disorders, Institute of Neurology, University College London. (Prof. John C. Rothwell)
- Department of Neurology, Austin Health, Heidelberg, Victoria, Australia; Department of Medicine, University of Melbourne, Victoria, Australia; Brain Research Institute, Florey Neuroscience Institutes Heidelberg West, Victoria, Australia. (Dr. Radwa A. Badawy)

#### TEACHING APPOINTMENTS

- University of Piemonte Orientale
  - Neurology and Clinical Neurophysiology at the School of Medicine
  - Neurology at the Specialty Training Schools of Anaesthesiology, Otolaryngology, Emergency Medicine, Internal Medicine, Child Medicine, Psychiatry, Radiology

#### SCIENTIFIC EVENTS

- Professor Cantello gave lectures and platform presentations in many local, national and international events (including U.S.A., Australia and Egypt). He was the organizer of several meetings, included the National Congress of the Italian Society of Clinical Neurophysiology (Torino, 2006).

#### REVIEWER ROLES

- Professor Cantello acted as a reviewer for the following Journals: Annals of Neurology, Archives of General Psychiatry, Brain, Brain Stimulation, Clinical Neurophysiology, Epilepsia, Epilepsy Research, Expert Review of Neurotherapeutics, Italian Journal of Neurological Sciences, Journal of Clinical Neurophysiology, Neurology, Plos One, The Journal of Neurological Sciences.

#### OFFICER ROLES

- Professor Cantello was member of the National Council of the Italian Society of Clinical Neurophysiology. He acted as the Representative of the Italian League against Epilepsy for the Piemonte and Valle d'Aosta Regions. He is an ordinary member of the Italian Society of Neurology, the Italian Society of Clinical Neurophysiology and the Italian League against Epilepsy.

(I authorize the use of my personal data in compliance with Legislative Decree 196/2003)

Novara 12.04.2016

Prof. Roberto Cantello

