

PERSONAL INFORMATION

MARCELLO MASSIMINI, MD PhD



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Gender M | Date of birth 05/04/1970 | Nationality Italian

MD Date 18/03/1996 PhD Date 06/02/2001	<input type="checkbox"/> <10 years from the date of the first PhD considered for the calculation of the eligibility period is the date of phd thesis defense (Cut-off date: PhD awarded from 15 March 2012)	<input checked="" type="checkbox"/> >10 years from the date of the first PhD considered for the calculation of the eligibility period is the date of phd thesis defense Cut-off date: PhD awarded from 15 March 2012
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Enterprise	University	EPR
<input type="checkbox"/> Management Level	<input checked="" type="checkbox"/> Full professor	<input type="checkbox"/> Research Director and 1st level Technologist / First Researcher and 2nd level Technologist / Principal Investigator
<input type="checkbox"/> Mid-Management Level	<input type="checkbox"/> Associate Professor	<input type="checkbox"/> Level III Researcher and Technologist
<input type="checkbox"/> Employee / worker level	<input type="checkbox"/> Researcher	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator

EMPLOYMENTS

- 2016 - current **Full Professor of Human Physiology**
University of Milan (Milan, IT)
Business or sector: Non-Profit, Research and Teaching Institute
- 2016 - current **Fellow of Brain, Mind and Consciousness Program**
Canadian Institute for Advanced Research (Toronto, CA)
Business or sector: Non-Profit, Research and Teaching Institute
- 2018 - current **Scientific Coordinator, Department for Severe Brain Injury**
IRCCS Fondazione Don Gnocchi (Milan, IT)
Business or sector: Non-Profit, Research and Teaching Institute
- 2015 - 2017 **Guest Professor, ZEN Centre for Experimental Neurology**
University of Bern (Bern, CH)
Business or sector: Non-Profit, Research and Teaching Institute
- 2013 - 2016 **Associate Professor of Human Physiology**
University of Milan (Milan, IT)
Business or sector: Non-Profit, Research and Teaching Institute
- 2009 - 2012 **Visiting Professor, ComaScience Group**
University of Liege, Belgium (Liege, BE)
Business or sector: Non-Profit, Research and Teaching Institute
- 2004 - 2005 **Research Associate**
Department of Psychiatry, University of Wisconsin (Madison, USA)

Business or sector: Non-Profit, Research and Teaching Institute

EDUCATION AND ACADEMIC DEGREES

2002 - 2004	Postdoctoral Fellow Department of Psychiatry, University of Wisconsin (Madison, USA)	2004- 2005
2001 - 2002	Postdoctoral Fellow LITA, University of Milan (Milan, IT)	2004- 2005
2000 - 2001	PhD student Department of Physiology, Laval University (Quebec, CA)	2004- 2005
2001 - 2002	PhD student Department of Physiology, University of Milan (Milan, IT)	2004- 2005
1990 - 1996	Doctor of Medicine University of Milan (Milan, IT)	2004- 2005

ACHIEVEMENTS AND AWARD

Awards	2002 2006 2011 2011 2013 2017 2017 2021	Pickwick Post-Doctoral Fellowship National Sleep Foundation, USA Sanofi-Aventis Research Award , European Sleep Research Society Young Investigator Award World Sleep Foundation SIPF Award Italian Psychophysiological Society James S. McDonnell Scholar Award Seattle USA Gold Medal Faustino Savoldi Lombardy Institute for Sciences and Letters Athena Award Athena Onlus Foundation Human Brain Project Innovation Award Bruxelles
Competitive Projects (as PI)	2020 - current 2017 - 2019 2015 - 2018 2015 - 2017 2013 - 2016 2010 - 2012 2007 - 2010 2007 - 2009 2006 - 2008 2005 - 2007	EC grant, H2020 FET Flagship Human Brain Project SGA3 EC grant, H2020 FET Flagship Human Brain Project SGA2 EC grant, H2020 FET OPEN-2014-2015-RIA "Luminous" EC grant, H2020 FET Flagship Human Brain Project SGA1 EC grant FP7, ICT – 2011-9, 600806 "Corticonics" PRIN 2010 "Connage" EC grant FP7, STREP, FP7-ICT-2007-2. "PredictAD" EC grant FP7 -PEOPLE-2007-4-3-IRG "Spindlesinschizo" PRIN 2006 "Sleep and cortical plasticity" EC grant FP6, STREP, LSHM-CT-2005-518189 "Enough sleep"
Institutional Responsibilities	2014-2021 2015-2017 2013	Scientific Board Member of Fondazione Don Carlo Gnocchi Coordinator of the PhD program in Philosophy and Human Sciences , University of Milan, Italy Founding member of the Italian Neuroethical Society (SINe)
Invited Lectures (selected over last 5 years)	2021 2021 2019 2019 2018 2018	CPIN Distinguished Lecture at the University of Toronto (CA) Annual EEG lecture at UCL , London (UK) Public lecture at the Natural History Museum , Oxford (UK) Keynote lecture at the Israeli Congress of Neuroscience (IR) Public lecture at the Medical Science Festival Bologna (IT) Sundaram lecture at Harvard Medical School Boston (USA)

	2018	Presidential lecture of the Italian Epilepsy Society meeting Lectures at the Neuroscience School of Advanced Studies
	2018	
Patents	2021	2 provisional applications methods for assessing consciousness in patients

ADDITIONAL INFORMATION

Publications Google Scholar:
H-Index: 61
Total number of citations: 19588
 I10-index: 101
 Average citations/year: 933 (from first paper in 2001)

Scopus:
H-Index: 51
Total number of citations: 12288 (without self-citations)

InCites:
 Total number of publications on peer reviewed journals: 89
Total Impact Factor: 858
Average IF/paper: 9.64

10 most representative (selected over last 10 years)

Russo S, Pigorini A, Mikulan E, Sarasso S, Rubino A, Zauli FM, Parmigiani S, d'Orio P, Cattani A, Francione S, Tassi L, Bassetti CLA, Lo Russo G, Nobili L, Sartori I, **Massimini M***. Focal lesions induce large-scale percolation of sleep-like intracerebral activity in awake humans. *Neuroimage*. 2021 Jun 1;234:117964.

Sarasso S, D'Ambrosio S, Fecchio M, Casarotto S, Viganò A, Landi C, Mattavelli G, Gosseries O, Quarenghi M, Laureys S, Devalle G, Rosanova M, **Massimini M*** Local sleep-like cortical reactivity in the awake brain after focal injury. *Brain* 2020 Dec 1;143(12):3672-3684.

Bayne T, Seth AK, **Massimini M**. Are There Islands of Awareness? *Trends Neurosci* 2020 Jan;43(1):6-16.

Rosanova M, Fecchio M, Casarotto S, Sarasso S, Casali AG, Pigorini A, Comanducci A, Seregini F, Devalle G, Citerio G, Bodart O, Boly M, Gosseries O, Laureys S, **Massimini M*** Sleep-like cortical OFF periods disrupt causality and complexity in the brain of unresponsive wakefulness syndrome patients *Nature Communication*. 2018 Oct 24;9(1):4427

Casarotto S, Comanducci A, Rosanova M, Sarasso S, Fecchio M, Napolitani M, Pigorini A, Casali AG, Trimarchi PD, Boly M, Gosseries O, Bodart O, Curto F, Landi C, Mariotti M, Devalle G, Laureys S, Tononi G, **Massimini M*** Stratification of unresponsive patients by an independently validated index of brain complexity. *Annals of Neurology*. 2016 Nov;80(5):718-729.

Koch C, **Massimini M**, Boly M, Tononi G. Neural correlates of consciousness: progress and problems. *Nature Review Neuroscience*. 2016 May;17(5):307-21.

Tononi G, Boly M, **Massimini M**, Koch C. The integrated information theory: from consciousness to its physical substrate. *Nature Review Neuroscience*. 2016 Jul;17(7):450-61.

Sarasso S, Boly M, Napolitani M, Gosseries O, Charland-Verville V, Casarotto S, Rosanova M, Casali AG, Bricchant JF, Boveroux P, Rex S, Tononi G, Laureys S, **Massimini M*** Consciousness and Complexity during Unresponsiveness Induced by Propofol, Xenon, and Ketamine. *Curr Biol*. 2015 Dec 7;25(23):3099-105.

Bistability breaks-off deterministic responses to intracortical stimulation during non-REM sleep. Pigorini A, Sarasso S, Proserpio P, Szymanski C, Arnulfo G, Casarotto S, Fecchio M, Rosanova M, Mariotti M, Lo Russo G, Palva JM, Nobili L, **Massimini M*** *Neuroimage*. 2015 May 15;112:105-113.

Replace with First name(s) Surname(s)

Casali A, Gosseries O, Rosanova M, Boly M, Sarasso S, Casali K, Casarotto S, Bruno MA, Laureys S, Tononi G, **Massimini M*** A theoretically based index of consciousness independent of sensory processing and behavior. *Science Translational Medicine* 2013 Aug 14;5(198):198ra105. doi: 10.1126

Huber R, Mäki H, Rosanova M, Casarotto S, Canali P, Casali AG, Tononi G,; **Massimini M*** Human cortical excitability increases with time awake. *Cerebral Cortex*,23,2,1-7,2013

Rosanova M, Gosseries, O, Casarotto S, Boly M, Casali AG, Bruno MA, Mariotti M, Boveroux P, Tononi G, Laureys S, **Massimini M*** Recovery of cortical effective connectivity and recovery of consciousness in vegetative patients. *Brain*,135,4,1308-1320,2012

Milan, April 20th 2022,

A handwritten signature in black ink, appearing to read 'Andrea Massimini', with a long horizontal flourish extending to the right.