

Biographical sketch of Rossella Canese

Name/Surname	Institution	Department	Position Title
Rossella Canese, physicist, PhD	Istituto Superiore di Sanità	Core Facilities	Senior Researcher staff member

Personal statement Dr. Rossella Canese has long-term experience in quantitative magnetic resonance spectroscopy and imaging applied to neuroscience and oncology. She has been head of research of MRI unit in several national and European projects. She focus her research by in vivo MRI and spectroscopic analyses on neurodevelopmental and neurodegenerative pathology as well as several types of cancers in animal models to possibly identify early biomarker of pathology progression or response to therapy derived from altered metabolism and morpho-functional MR parameters.

Positions and Honors

Institution	Division/Research	Location	Position	From Year	To Year
Istituto Superiore di Sanità	MRI Unit / Core facilities	Rome, Italy	Senior Researcher with high professional qualification	2017	-
Istituto Superiore di Sanità	Department of Cell Biology and Neurosciences	Rome, Italy	Senior Researcher with high professional qualification	2007	2017
Istituto Superiore di Sanità	Department of Cell Biology and Neurosciences	Rome, Italy	Researcher (permanent position)	1996	2007
Royal Marsden Hospital and ISS	Physics Department of Univeristy of London, NMR Unit	Sutton, Surrey, UK	PhD in Magnetic Resonance	1994	1996
Università La Sapienza and ISS	Laboratory of Cell Biology	Rome, Italy	Specializing School in Health Physics	1991	1994
Università La Sapienza and ISS	Laboratory of Cell Biology	Rome, Italy	Laurea in Physics	1990	1991
Istituto Superiore di Sanità	Laboratory of Cell Biology	Rome, Italy	Fellow	1989	1990

Awards and Honors

Official H index = 20 (Scopus) Researcher ID : B-3969-2017 ORCID ID : 0000-0001-9093-6803

Author of more than 60 publications in peer-reviewed international journals, she has been invited to give lectures in national and international conferences.

Member of the faculty of the PhD in Biophysics (Sapienza University, Rome).

Member of the 'International Society of Magnetic Resonance in Medicine' (ISMRM), its Italian Chapter (AIRMM, where she was trustee and secretary from 2012 to 2018) and the Italian Society GIDRM (Gruppo Italiano Discussione Risonanze Magnetiche)

Associated Editor of *Frontiers in Oncology* and reviewer for several international journals and proposals from EU.

Chair of the *Imaging and Tracer* section of the Italian node (A_IATRIS) of the European Platform on translational research EATRIS.

- Honors:**
1. Laude in Brain Imaging (ESMRMB congress in 1996)
 2. Honourable Mention in Cancer (ISMRM-ESMRMB International Meeting in 2007)
 3. Magna cum Laude in Preclinical Cancer (ISMRM International Meeting in 2013)