

## **CURRICULUM VITAE: DANIELE REGGE (09-2018)**



### **Personal information**

Researcher unique identifier: Author ID: 56207580400 (Scopus)

Date of birth: March 5<sup>th</sup>, 1958

Nationality: Italian

### **Education and training**

1977 – 1984: Degree in Medicine and Surgery, University of Torino, School of Medicine, Torino, Italy.

1984 – 1988: Specialization in Radiology, University of Torino, School of Medicine, Italy.

### **Positions and employment:**

1988-1992 Radiology Assistant - Institute of Radiology, University of Torino

1992-1997 Chief of the Computerized Tomography Service, Radiology's Department - Institute of Radiology, University of Torino

2003-2009 Director of the Medical Imaging Unit at the Institute for Scientific Interchange (ISI) Foundation, Torino

1997- Director of the Radiology Unit – Candiolo Cancer Institute, Candiolo-Torino

2009- Director of the Imaging and Data Processing Lab (IDP-Lab), Candiolo Cancer Institute, Candiolo-Torino

2015- Associate Professor, University of Torino, School of Medicine, Torino, Italy.

## **RESEARCH INTERESTS AND MAJOR ACHIEVEMENTS**

In the last 15 years my research has focused on the development of specialized computer software (i.e. CAD systems) and on the clinical validation of new imaging tests for cancer diagnosis. My major scientific accomplishments are the following:

- 1) *CT-colonography (CTC)*. I have been PI in several multicenter trials investigating the diagnostic accuracy of CT-Colonography in different clinical settings. I have contributed to the development of computer aid diagnosis (CAD) systems to detect polyps and cancer on CTC examinations. I have contributed to the writing of international guidelines on CTC.
- 2) *Prostate Magnetic Resonance Imaging (MRI)*. My imaging group has participated into several clinical trials to validate prostate MRI in different clinical settings. IDP-Lab has developed its own CAD system to detect and grade prostate cancer based on MRI features, diffusion and texture analysis, providing the final user a likelihood map of malignancy on selected regions.
- 3) *Breast MRI*. I have collaborated together with my research team to both clinical trials and to the development of specialized software to extract quantitative parameters from MRI breast examinations. CAD software has been applied to diagnosis of breast cancer, prediction of response and to automatically measure distance from tumor to nipple-areola complex.

My ongoing research is focused on the prediction of pathological response to treatment at baseline cross-sectional CT and MR scans and on the assessment of response at follow-up examinations by means of texture analysis. More specifically, our group is applying texture analysis to: i) predict pathological response to neoadjuvant therapy in breast cancer; ii) predict tumor regression grade on rectal cancer from pre-treatment MRI and PET.

Since 2002 I have won 12 competitive research grants as either PI or co-investigator and have received research funds for > 3.000.000 Euro.

## **PUBLICATION METRICS**

I have published 174 papers on peer-reviewed international journals, including 156 original research papers (132 with IF, 74 as first/last/corresponding author), 10 invited reviews (6 as first/last/corresponding author), and 8 invited editorials/commentaries (6 as first/last/corresponding author). I have authored 3 books on diagnostic imaging and am series editor of the Springer book series on Cancer Dissemination Pathways. Total Impact Factor (IF, Thomson Reuters 2017 release): IF 541.527 - average IF 4.166 - total IF first/last/corresponding 269.096 (49.69%). Total citations in Scopus (October 2017): 3633. Total citations first/last/corresponding author: 1307 (39.33%). H-index (Scopus, October 2017): 29. Addendum 1 shows a list of publications of the last 5 years.

## **PEER-REVIEWING ACTIVITY**

In the last 5 years I have reviewed articles for the following scientific journals: Journal of Oncology (n.2), Imaging in Medicine (n.2), European Radiology (n.17), European Journal of Radiology (n.6), Acta Radiologica (n.2), International Journal of Computer Assisted Radiology and Surgery (n.2), Nature Reviews Gastroenterology and Hepatology (n.1), The Medical Letter (n.1), Lancet (n.1). I have been Publisher of specialty for European Radiology (years 2012-2015) and am Member of the Scientific Committee Board of Il Giornale Italiano di Radiologia Medica. I have reviewed grants for the Dutch Digestive Foundation, the German Research Foundation and Swiss National Science Foundation.

## **MEMBERSHIP AND STATUS IN SCIENTIFIC SOCIETIES**

1984- Società Italiana di Radiologia Medica (SIRM)  
2005- European Society of Gastrointestinal Radiology (ESGAR) (promoted fellow from 2010)  
2007- European Society of Radiology (ESR)  
2011- Founding Member of the European Society of Oncologic Imaging (ESOI)  
2012- Board Member and Secretary of the European Society of Medical Imaging Informatics (EuSoMII)  
2012-2014 Vice president of the European Society of Oncologic Imaging (ESOI)  
2012 President of the Programme Committee of the Congress of the SIRM, Turin 2012  
2008, 2010, 2014 Member of the Programme Committee of the SIRM Congress  
2014-2015 Member of the ECR 2014 and 2015 Computer Applications' Subcommittee  
2016 President of the ECR 2016 Computer Applications' Subcommittee  
2015-2017 President of European Society of Oncologic Imaging  
2019 Member of the ECR Oncologic Imaging Subcommittee

## **MEETING ORGANIZER AND INVITED LECTURES**

I have organized 56 Scientific Meetings/Courses including the following in the last 5 years:

- 1) 2012- Italian Radiological Society (SIRM) National Meeting as president of the Programme Committee. The meeting was attended by more than 5000 radiologists.
- 2) 2013- EuSoMII Academy Course on Imaging Informatics in Oncology
- 3) 2014- ESOI Workshop on staging and response to therapy
- 4) 2014-2015 Organizer of the Multimedia classroom at ECR
- 5) 2015- ESOI Annual Meeting, Torino
- 6) 2016- ESOI Annual Meeting, Valencia
- 7) 2017- ESGAR CTC Colonography Workshop
- 8) 2017- Oncologic Imaging Course, Dubrovnik (Programme Committee member)

I have been invited speaker at several meetings (>250) including the following in the last 5 years: RSNA (2014-2017), ECR (2013-2017), ESUR (2014-2015), ESGAR (2012-2017), CARS (2012-2015), Oncologic Imaging Course-Dubrovnik (2014-2017), ESMO (2016-2017). I am faculty member of the ESUR and of the CTC-colonography ESGAR workshops. I have been invited speaker at national society meetings in Italy, Rumania, Russia, Denmark, Argentina, Iran and India. Addendum 2 lists lectures I have been invited to give in the last 5 years and future lectures in detail.

*Prof. Dr. Daniele Regge*

