



Renato Cuocolo

Date of birth: 20/04/1986 | **Nationality:** Italian |

Website: <https://rcuocolo.github.io/>

WORK EXPERIENCE

01/03/2022 – CURRENT Baronissi, Italy

ASSOCIATE PROFESSOR DEPARTMENT OF MEDICINE, SURGERY AND DENTISTRY "SCUOLA MEDICA SALERNITANA", UNIVERSITY OF SALERNO

01/03/2023 – CURRENT Salerno, Italy

CONSULTANT RADIOLOGIST SAN GIOVANNI DI DIO E RUGGI D'ARAGONA UNIVERSITY HOSPITAL

Incarico professionale ad alta specializzazione "RM Funzionale Universitaria"

01/10/2022 – CURRENT Salerno, Italy

CONSULTANT RADIOLOGIST SAN GIOVANNI DI DIO E RUGGI D'ARAGONA UNIVERSITY HOSPITAL

Head of the "Tecniche innovative di analisi dei dati nell'imaging radiologico come strumento per l'ottimizzazione dei percorsi assistenziali" program

15/06/2020 – 28/02/2022 Naples, Italy

RESEARCH FELLOW DEPARTMENT OF CLINICAL MEDICINE AND SURGERY, UNIVERSITY OF NAPLES "FEDERICO II"

17/12/2020 – 28/02/2022 Naples

RADIOLOGIST "FEDERICO II" UNIVERSITY HOSPITAL

18/07/2017 – 31/01/2020 Naples, Italy

RADIOLOGIST "FEDERICO II" UNIVERSITY HOSPITAL

04/07/2012 – 04/07/2017 Naples, Italy

RADIOLOGY RESIDENT "FEDERICO II" UNIVERSITY HOSPITAL

EDUCATION AND TRAINING

01/02/2017 – 26/05/2020 Naples, Italy

PHD IN BIOMORPHOLOGICAL AND SURGICAL SCIENCES Department of Advanced Biomedical Sciences, University of Naples "Federico II"

05/07/2012 – 05/07/2017 Naples, Italy

RESIDENCY IN RADIOLOGY Department of Advanced Biomedical Sciences, University of Naples "Federico II"

10/10/2011 Naples, Italy

DOCTOR OF MEDICINE University of Campania "Luigi Vanvitelli"

LANGUAGE SKILLS

Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C2	C2	C2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

Office Software

Microsoft Word | Microsoft Excel | Microsoft Powerpoint

Scripting

R | Python | Bash | Git | Pandas

Medical Image Analysis

Freesurfer | FSL | OleaSphere | PyRadiomics

Machine Learning

Scikit-Learn | Weka

NETWORKS AND MEMBERSHIPS

CURRENT

Albo professionale dell'Ordine Provinciale dei Medici-Chirurghi e degli Odontoiatri di Napoli

CURRENT

Società Italiana di Radiologia Medica e Interventistica

CURRENT

European Society of Radiology

CURRENT

European Society of Medical Imaging Informatics

CURRENT

European Society of Urogenital Radiology

CONFERENCES AND SEMINARS

02/10/2017 – 10/11/2018 Genova, Italy

48th National Congress SIRM 2018

Member of the Neuroradiology Scientific Subcommittee

23/10/2021

European Society of Medical Imaging Informatics Virtual Annual Meeting 2021

Invited Speaker: "Assessing research quality in radiomics and AI"

12/11/2021 – 14/11/2021

27th European Symposium on Urogenital Radiology

Invited Speaker: "Radiomics and AI in Genitourinary Imaging: Basic Concepts and State of the Art"

2020 – 2022 Lecce, Italy

1st International Workshop on Artificial Intelligence and Radiomics in Computer-Aided Diagnosis (AIRCAD 2022)

In conjunction with the 21st International Conference on Image Analysis and Processing (ICIAP 2021)

Member of the Technical Program Committee

2020 – 2022 Rome, Italy

2022 IEEE International Conference on Metrology for Extended Reality, Artificial Intelligence and Neural Engineering

Member of the International Scientific Program Committee

13/10/2022 – 16/10/2022

28th European Symposium on Urogenital Radiology

Invited Speaker: "How to interpret Radiomics/AI papers"

01/03/2023 – 05/03/2023 Vienna, Austria

European Congress of Radiology (ECR) 2023

Invited Speaker:

- "AI: where are we and where are we going"
- "Classical signs in urological imaging"
- "Radiomics: level of evidence for the clinical practice"

Moderator:

- "AI in genitourinary imaging: will it improve your performance?"

21/09/2023 – 24/09/2023 Rome, Italy

29th European Symposium on Urogenital Radiology

Invited Speaker: "Radiomics in GU: where do we cross the line?"

05/10/2023 – 07/10/2023 St. Julian's, Malta

ESHNR 2023: 35th Annual Meeting and Refresher Course

Invited Speaker: "Quality control and critical issues in radiomics research and software"

13/10/2023 – 14/10/2023 Pisa, Italy

EuSoMII Annual Meeting 2023. AI: Connecting the Dots

Invited Speaker: "Radiomics Quality - EuSoMII Radiomics Group"

Moderator: "Large Language models in Radiology"

28/02/2024 – 03/03/2024 Vienna, Austria

European Congress of Radiology (ECR) 2024

Member of the "Imaging Informatics/Artificial Intelligence and Machine Learning" scientific subcommittee.

Invited Speaker:

- "Read avidly but think critically: must-have qualities to look for in radiomics research"
- "Radiology and AI: team member or terminator?"

Discussant:

- "Deep learning-aided classification of disease distribution patterns in metastatic ovarian cancer"

27/06/2024 – 29/06/2024 Zeist, Netherlands

12th ESUR MRI Prostate Teaching Course

Invited Speaker: "What are the essentials/basics in AI/CAD tools in MRI assessment?"

19/09/2024 – 22/09/2024 Lisbon, Portugal

30th European Symposium on Urogenital Radiology

Invited Speaker: "New trends and future challenges in Imaging"

11/10/2024 – 12/10/2024 Pisa, Italy

EuSoMII Annual Meeting 2024. AI: Ready for prime time?

Invited Speaker: "Inclusivity and biases in radiology, AI and the workforce"

Moderator: "Burning topics in imaging informatics"

26/02/2025 – 02/03/2025 Vienna, Austria

European Congress of Radiology (ECR) 2025

Member of the "Imaging Informatics/Artificial Intelligence and Machine Learning" scientific subcommittee.

Invited Speaker:

- "Clinical AI products in body imaging: an overview"
- "What to consider when reviewing AI papers"

Panelist:

- "Realising the Quadruple Aim through AI: assessing economic, staffing and accessibility dimensions"

European Congress of Radiology (ECR) 2026

Member of the "Imaging Informatics/Artificial Intelligence and Machine Learning" scientific subcommittee.

HONOURS AND AWARDS

Invest in the Youth – European Congress of Radiology 2017

Voice of EPOS – European Congress of Radiology 2017

Award received for "Potential pachymeningeal pitfalls in metastatic patients: correlative PET, CT and MR imaging findings"

Reviewer of the Year 2019 – European Journal of Radiology

MSK SIRM Catania 2019 Award – Congresso Nazionale della Sezione di Radiologia Muscoloscheletrica

Award received for "T2 Mapping of the Sacroiliac Joints at 1.5 T can Identify Patients with Spondyloarthritis"

MSK SIRM Catania 2019 Award – Congresso Nazionale della Sezione di Radiologia Muscoloscheletrica

Award received for "Machine Learning Classification of Spinal Lesions: Compared Accuracy of Texture Parameters Extracted by Different Software"

Cum Laude Award – 49th National SIRM Congress

Award received for "Classificazione dei condrosarcomi ossei mediante parametri di radiomica estratti con algoritmi di machine learning"

ESNR-Springer Award 2022 Diagnostic Neuroradiology – European Society of Neuroradiology

Co-first author of the paper receiving the award, titled "Prediction of high proliferative index in pituitary macroadenomas using MRI-based radiomics and machine learning".

10/2023

Most Cited Paper Award 2023 – European Society of Medical Imaging Informatics

10/2024

Most Downloaded Paper Award 2024 – European Society of Medical Imaging Informatics

APPOINTMENTS

2018 – CURRENT

Member of the European Network for Assessment of Imaging in Medicine (EuroAIM)

The European Network for Assessment of Imaging in Medicine (EuroAIM) is a joint initiative of the European Institute for Biomedical Imaging Research (EIBIR) whose objective is to systematically assess radiological technology and seek evidence for its best use in clinical practice.

2019 – 2022

Participant in the HosTed project, sponsored by EIT Health (European Institute of Innovation and Technology)

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2020 – CURRENT

Member of the Laboratory of Augmented Reality for Health Monitoring (ARHeMLab)

2020 – 2022

Member of the Interdepartmental Research Center on Management and Innovation in Healthcare - CIRMIS of the University of Naples "Federico II"

2020 – CURRENT

Member of the European Society of Medical Imaging Informatics Young Club Committee

2020 – CURRENT

Member of the European Society of Urogenital Radiology Junior Network Committee

2020 – CURRENT

Member of the Res4Net Laboratory Network

2020 – CURRENT

Scientific Coordinator of the European Society of Medical Imaging Informatics Radiomics Auditing Group

2021 – 2025

Member of the European Society of Medical Imaging Informatics Scientific Committee

2022 – 2025

Member of the European Society of Radiology (ESR) eHealth and Informatics Subcommittee

2023 – 2025

Board Member of the European Society of Medical Imaging Informatics

2024 – CURRENT

ESUR Prostate MRI Working Group

2025 – CURRENT

Chair of the European Society of Medical Imaging Informatics Scientific Committee

2025 – CURRENT

Chair of the European Society of Radiology (ESR) eHealth and Informatics Subcommittee

2025 – CURRENT

Member of the European Society of Radiology (ESR) e-Learning Subcommittee

● GRANTS

01/10/2020 – 31/03/2024

INCISIVE - A multimodal AI-based toolbox and an interoperable health imaging repository for the empowerment of imaging analysis related to the diagnosis, prediction and follow-up of cancer

Participant in the University of Naples "Federico II" unit of the project. The INCISIVE project was funded by the EU HORIZON2020 program (H2020-SC1-FA-DTS-2019-1 sub call), for a total of € 9,995,727.50.

01/04/2023 – CURRENT

COMFORT – COMPUTational Models FOR patient stratification in urologic cancers – Creating robust and trustworthy multimodal AI for healthcare

Participation as lead of the University of Salerno unit (main collaboration partner).
Funded by the European Union's Horizon Europe program (TOPIC ID: HORIZON-HLTH-2022-TOOL-12-01-two-stage) for a total of € 5.9 million.

18/10/2023 – 18/10/2025

PREDICTION OF SHORT-TERM SUBJECTIVE AND OBJECTIVE DISABILITY WORSENING IN MULTIPLE SCLEROSIS: A MACHINE LEARNING APPROACH

Unit lead of the University of Salerno.
Project co-financed by the MIUR - Ministero dell'Istruzione dell'Università e della Ricerca for a total of € 204,776.

31/08/2024 – CURRENT

Advancing Lung Cancer Screening: Artificial Intelligence, Multimodal Imaging and Cutting-Edge Technologies for Early Detection and Characterization

Unit lead for the San Giovanni di Dio e Ruggi d'Aragona University Hospital.
Funded by the Italian Ministry of Health (PNRR: M6/C2_CALL 2023) for a total funding of € 1,000,000.

● EDITORIAL ACTIVITY

2019 – CURRENT

Editorial Board Member, European Radiology

Author of over 180 articles published on indexed journals (Scopus, Web of Science, Pubmed), with an H-index of 36 (Scopus).

2019 – 2023

Editorial Board Member, BMC Medical Imaging

2020 – CURRENT

Editorial Board Member, European Radiology Experimental

2020 – CURRENT

Editorial Board Member, International Journal of Imaging Systems and Technology

2023 – CURRENT

Editorial Board Member, European Journal of Radiology

2023 – CURRENT

Editorial Board Member, Canadian Association of Radiologists Journal

2024 – CURRENT

Editorial Board Member, European Journal of Radiology Artificial Intelligence

Research activity

● **TEACHING ACTIVITY**

2022 – CURRENT

Radiology Residency Program, University of Salerno

Teaching assignment in the 34th, 35th and 36th cycles of the course.

2021 – CURRENT

Degree Course in Medicine, University of Salerno

2022 – CURRENT

Degree Course in Nursing, University of Salerno

2022 – CURRENT

Degree Course in Physical Therapy, University of Salerno

2022 – CURRENT

Degree Course in Radiation Technology, University of Salerno

2023 – CURRENT

Degree Course in Dentistry, University of Salerno

2020 – 2022

PhD program in "Biomorphological and Surgical Sciences" at the University of Naples "Federico II"

2019 – 2022

School of Medicine, University of Naples "Federico II"

2017 – 2022

Radiology residency program, University of Naples "Federico II"

2016 – 2020

Diagnostic Imaging course, University of Naples "Parthenope"

2015 – 2017

Metodologia e studio per la preparazione al concorso di accesso alle Scuole di Specializzazione Medica, Istituto per Ricerche ed Attività Educative



Department of Medicine, Surgery and Dentistry
“Scuola Medica Salernitana”
University of Salerno

Gentili Colleghi,

scrivo per sottoporre la mia candidatura alla posizione di Rappresentante dei Professori Universitari al Comitato Direttivo del Gruppo Regionale Campania della Società Italiana di Radiologia Medica e Interventistica per il biennio 2027-2028.

La mia decisione nasce dal desiderio di contribuire attivamente alla vita della nostra Società Scientifica, mettendo a disposizione l'esperienza maturata in ambito accademico e la volontà di rafforzare il ruolo dell'Università come motore di innovazione, formazione e ricerca all'interno della comunità radiologica campana.

In un contesto in continua e rapida evoluzione come quello della nostra disciplina, ritengo fondamentale che la componente universitaria sia pienamente integrata e valorizzata all'interno degli organi direttivi della SIRM, per garantire che le istanze della didattica, della ricerca scientifica e dell'alta formazione trovino adeguata rappresentanza e possano proficuamente interagire con il mondo ospedaliero e libero-professionale.

Sono convinto che, attraverso un dialogo costante e costruttivo con tutte le componenti della nostra comunità professionale, potremo affrontare con successo le sfide future e contribuire a rendere la radiologia campana un punto di riferimento a livello nazionale.

Con questo spirito di servizio e con la volontà di lavorare in squadra, confido nel Vostro prezioso sostegno.

Con i più cordiali saluti,

Renato Cuocolo