

ALL. B

procedura selettiva di chiamata per n. 1 posto di **Ricercatore a tempo determinato - Tipologia A** presso il Dipartimento di Scienze Radiologiche, Oncologiche e Anatomico-Patologiche, Facoltà di Medicina e Odontoiatria, Settore Scientifico-disciplinare MED/36, Settore concorsuale 06/I1, di cui al bando emanato con D.D. n. 1022 con avviso pubblicato sulla G.U. – IV serie speciale n. 77 in data 10.10.2023 codice concorso 2023RTDAPNRR122

Martina Pecoraro Curriculum Vitae

Place, Rome

Date, 18.10.2023

Part I – General Information

Full Name	
Date of Birth	
Place of Birth	
Citizenship	
Permanent Address	
Mobile Phone Number	
E-mail	
Spoken Languages	

Part II – Education

Type	Year	Institution	Notes (Degree, Experience,...)
University graduation	2011-2017	Sapienza University	Medicine & Surgery, 110/110 cum Laude
Specialty	2018-2022	Sapienza University	Board certification in Radiology, 70/70 cum Laude
PhD program	2022-Ongoing	Sapienza University	-

Part III – Appointments

IIIA – Academic Appointments

Start	End	Institution	Position
2023	-	Sapienza University	Assegnista di Ricerca

IIIB – Institutional Appointments

Start	End	Institution	Position
2022	2023	European Society of Radiology (ESR)	Member of the Research Committee (all. IIIB1)
2022	-	European Society of Urogenital	Representative of the KUB working

		Radiology (ESUR)	group of the Junior Network (all. IIB2)
2020	2023	European Society of Radiology (ESR)	Member of the Radiology Trainees Forum (RTF) board (all. IIB3)
2020	2023	European Board of Radiology (EBR)	Junior Assessor of the European Training Assessment Program (ETAP) (all. IIB4)

IIC – Scientific Appointments

Start	End	Institution	Position
2023	-	European Congress of Radiology (ECR)	Member of the Program Planning Committee (all. IIC1)
2023	-	European Society of Urogenital Oncology (ESUR) Symposium	Member of the Organizing Local Committee (all. IIC2)

Part IV – Teaching experience

Year	Institution	Lecture/Course
2022	European Society of Urogenital Radiology (ESUR), Athens, October 2022	n.1 Invited lecture on “VI-RADS-Training and learning curve”
2022	European Congress of Radiology (ECR)	n.1 Invited lecture during the open Forum Session - Help me to get it published; n.1 moderation of the session “Meet the professors: part 4” during the Open Forum Session
2023	Sapienza University	Bladder MRI course. Organizer: V. Panebianco
2023	European Society of Urogenital Radiology (ESUR), Rome, September 2023	n.1 Invited case presentation during a Multidisciplinary panel discussion on Bladder Cancer; n.1 invited lecture on “Unmasking residual disease on MRI using NacVI-RADS”; n.1 Workshop on “How to interpret VI-RADS”

Part V - Society memberships, Awards and Honors

Society membership

Year	Title
2018-Today	Società Italiana di Radiologia Medica (SIRM)
2018-Today	European Society of Radiology (ESR)
2018-Today	Radiological Society of North America (RSNA)
2018-Today	European Society of Urogenital radiology (ESUR)
2019-Today	European Association of Urology (EAU)

Award

2016	CIRSE, Award For Best Performance In International Student Test
2017	ESUR, Award For Best Oral Presentation, Member Session
2017	SIUro, Award For Best Poster
2022	ECR 2022 – Best Genitourinary Research Presentation Award (all.V1)
2023	AuntMinnie - EuroMinnies 2023 Radiology Rising Star (all.V2)

Part VI - Funding Information [grants as PI-principal investigator or I-investigator]

Year	Title	Program	Grant value
2019-2020	“Prospective Assessment of Vesical Imaging-Reporting and Data System (VI-RADS) and Clinical Implications on Management of High-risk Non-muscle Invasive Bladder Cancers (NMIBCs) Candidate for Second Transurethral Resection (Re-TURBT)” - Prot. AR11916B88FA0D35	Role: PI, Research starting grant, Sapienza University; Tutor: Prof. V. Panebianco	€1.000,00
2020-2022	Computational Medicine for Prostate Cancer - Prot. RM120172A9138938	Role: Junior Member, Progetto Medio Ateneo, Sapienza University; PI: Prof. V. Panebianco	€12.000,00
2021-2024	Health Technology Assessment of the Prostate Cancer Screening Randomized Controlled Trial (PROSA-I), combining Non-Contrast MRI and an Artificial Intelligence Algorithm. - Prot. RG12117A6795DBEE	Role: Junior Member, Progetto Grande Ateneo, Sapienza University; PI: Prof. V. Panebianco	€45.000,00 + €23.787,00 “Assegno di Ricerca”
2021-2022	Role of Multiparametric MRI for Response Prediction to Neoadjuvant Chemotherapy in Muscle Invasive Bladder Cancer - Prot. AR12117A82648B1A	Role: PI, Research starting grant, Sapienza University; Tutor: Prof. V. Panebianco	€1.500,00
2022-2023	Towards the future of Prostate Multiparametric Magnetic Resonance Imaging quality assessment: AI-based Convolutional Neural Networks for an Automated Classification - Prot. AR222181630CDC8F	Role: PI, Research starting grant, Sapienza University; Tutor: Prof. V. Panebianco	4.000,00

Part VII – Research Activities

Keywords	Brief Description
Advanced MR	Research activities on MRI application in oncology. Focus on prostate and

imaging	bladder cancer.
Bladder Cancer	Multiparametric MRI of the Bladder for optimization of disease staging and validation of the VI-RADS score for differentiating T1 stage from T2 stage bladder cancer: non-muscle-invasive versus -muscle-invasive tumors. Promotion of the structured report for bladder MRI and delineation of the. Multiparametric MRI and nac-VIRADS development and validation for assessment of response to neoadjuvant systemic therapy, in patients with MIBC or those eligible to trimodal therapy (TMT).
Prostate Cancer	Several studies on the role of multiparametric MRI and targeted MRI-guided biopsy techniques as "first line" for early detection of prostate cancer. Also, studies on the role of MRI as preoperative staging tool and as screening test in a randomized controlled trial (PROSA trial). Specific interest, on the role of MRI in patients with biochemical recurrence after whole gland therapies. Multireader validation study on PI-RR scoring published on Radiology.
Computational Medicine	Studies on the role of network analysis for the identification of promising plasma circulating molecular biomarkers, and their correlation with MRI biomarkers and clinical data for a non-invasive early diagnosis of clinically significant PCa and prediction of cancer tissue aggressiveness. Proposal of an integrated pathway with a clinical utility as a prebiopsy triage of patients at a risk of developing csPCa.
Education	Research activities on the role of AI and education programs for residents.

Part VIII – Summary of Scientific Achievements

Product type	Number	Data Base	Start	End
Papers	42	Scopus and Google Scholar	2018	2023
Book chapter	1	Scopus	2018	2023

Total Impact factor	224,61
Average Impact Factor	5,34
Total Citations	614
Average Citations per Product	14,6
Hirsch (H) index	13 (Scopus)
Normalized H index*	2,6 (Scopus)

*H index divided by the academic seniority.

Part IX– Selected Publications (All. IX1-IX12).

List of the publications selected for the evaluation. For each publication report title, authors, reference data, journal IF (if applicable), citations, press/media release (if any).

N.	Title	Y of publication	IF
1	Pecoraro M , Catanzaro G, Conte F, Besharat ZM, Messina E, Laschena L, Trocchianesi S, Splendiani E, Sciarra A, Catalano C, Paci P, Ferretti E, Panebianco V. Prospective Validation Study of a Novel Integrated Pathway Based on Clinical Features, Magnetic Resonance Imaging Biomarkers, and MicroRNAs for Early Detection of Prostate Cancer. <i>Eur Urol Oncol.</i> 2023 Jun 1;S2588-9311(23)00108-6. doi: 10.1016/j.euo.2023.05.008. Epub ahead of print. PMID: 37270379. Cit. 0	2023	8,20
2	Messina E, Pecoraro M , Laschena L, Bicchetti M, Proietti F, Ciardi A, Leonardo C, Sciarra A, Girometti R, Catalano C, Panebianco V. Low cancer yield in PI-RADS 3 upgraded to 4 by dynamic contrast-enhanced MRI: is it time to reconsider scoring categorization? <i>Eur Radiol.</i> 2023 Aug;33(8):5828-5839. doi: 10.1007/s00330-023-09605-0. Epub 2023 Apr 13. PMID: 37045981; PMCID: PMC10326099. Cit. 4	2023	5,90
3	Pecoraro M , Turkbey B, Purysko AS, Girometti R, Giannarini G, Villeirs G, Roberto M, Catalano C, Padhani AR, Barentsz JO, Panebianco V. Diagnostic Accuracy and Observer Agreement of the MRI Prostate Imaging for Recurrence Reporting Assessment Score. <i>Radiology.</i> 2022 Aug;304(2):342-350. doi:10.1148/radiol.212252. Epub 2022 May 10. PMID: 35536130. Cit. 13	2022	19,70
4	da Silva MC, Pecoraro M , Pisciotto ML, Dehghanpour A, Forooghi A, Lucciola S, Bicchetti M, Messina E, Catalano C, Panebianco V. The learning curve in bladder MRI using VI-RADS assessment score during an interactive dedicated training program. <i>Eur Radiol.</i> 2022 Nov;32(11):7494-7503. doi: 10.1007/s00330-022-08766-8. Epub 2022 Apr 2. PMID: 35366122; PMCID: PMC8976109. Cit. 6	2022	5,90
5	Cipollari S, Pecoraro M , Forooghi A, Laschena L, Bicchetti M, Messina E, Lucciola S, Catalano C, Panebianco V. Biparametric prostate MRI: impact of a deep learning-based software and of quantitative ADC values on the inter-reader agreement of experienced and inexperienced readers. <i>Radiol Med.</i> 2022 Nov;127(11):1245-1253. doi: 10.1007/s11547-022-01555-9. Epub 2022 Sep 17. PMID: 36114928; PMCID: PMC9587977. Cit. 11	2022	8,90
6	Pecoraro M , Del Giudice F, Magliocca F, Simone G, Flammia S, Leonardo C, Messina E, De Berardinis E, Cortesi E, Panebianco V. Vesical Imaging-Reporting and Data System (VI-RADS) for assessment of response to systemic therapy for bladder cancer: preliminary report. <i>Abdom Radiol (NY).</i> 2022 Feb;47(2):763-770. doi: 10.1007/s00261-021-03365-5. Epub 2021 Dec 17. PMID: 34919160. Cit. 16	2022	2.7
7	Pecoraro M , Messina E, Bicchetti M, Carnicelli G, Del Monte M, Iorio B, LaTorre G, Catalano C, Panebianco V. The future direction of imaging in prostate cancer: MRI with or without contrast injection. <i>Andrology.</i> 2021 Sep;9(5):1429-1443. doi: 10.1111/andr.13041. Epub 2021 Jun 8. PMID: 33998173. Cit. 13	2021	4.4
8	Pecoraro M , Takeuchi M, Vargas HA, Muglia VF, Cipollari S, Catalano C,	2020	3.95

	Panebianco V. Overview of VI-RADS in Bladder Cancer. <i>AJR Am J Roentgenol.</i> 2020 Jun;214(6):1259-1268. doi: 10.2214/AJR.20.22763. Epub 2020 Apr 14. PMID: 32286874. Cit. 38		
9	Del Giudice F., Leonardo C., Simone G., Pecoraro M. , De Berardinis E., Cipollari S., Flammia S., Bicchetti M., Busetto G.M., Chung B.I., Gallucci M., Catalano C., Panebianco V. Preoperative detection of Vesical Imaging-Reporting and Data System (VI-RADS) score 5 reliably identifies extravesical extension of urothelial carcinoma of the urinary bladder and predicts significant delayed time to cystectomy: time to reconsider the need for primary deep transurethral resection of bladder tumour in cases of locally advanced disease? <i>BJU International.</i> 2020; 126(5):610-619; doi: 10.1111/bju.15188 Cit. 46	2020	5.588
10	Panebianco V, Pecoraro M , Fiscon G, Paci P, Farina L, Catalano C. Prostate cancer screening research can benefit from network medicine: an emerging awareness. <i>NPJ Syst Biol Appl.</i> 2020 May 7;6(1):13. doi: 10.1038/s41540-020-0133-0. PMID: 32382028; PMCID: PMC7206063. Cit. 18	2020	4
11	Giganti F, Pecoraro M , Stavriniades V, Stabile A, Cipollari S, Sciarra A, Kirkham A, Allen C, Punwani S, Emberton M, Catalano C, Moore CM, Panebianco V. Interobserver reproducibility of the PRECISE scoring system for prostate MRI on active surveillance: results from a two-centre pilot study. <i>Eur Radiol.</i> 2020 Apr;30(4):2082-2090. doi: 10.1007/s00330-019-06557-2. Epub 2019 Dec 16. PMID: 31844959; PMCID: PMC7062656. Cit. 16	2020	5.3
12	Del Giudice F, Barchetti G, De Berardinis E, Pecoraro M , Salvo V, Simone G, Sciarra A, Leonardo C, Gallucci M, Catalano C, Catto JWF, Panebianco V. Prospective Assessment of Vesical Imaging Reporting and Data System (VI-RADS) and Its Clinical Impact on the Management of High-risk Non-muscle-invasive Bladder Cancer Patients Candidate for Repeated Transurethral Resection. <i>Eur Urol.</i> 2020 Jan;77(1):101-109. doi: 10.1016/j.eururo.2019.09.029. Epub 2019 Nov 5. PMID: 31699526. Cit. 124	2019	20