PERSONAL INFORMATION

Valeria Panebianco

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🌐 Scopus Author's ID: https://www.scopus.com/authid/detail.uri?authorId=7003270861

Current Position: Full Professor (MED36)

Scientific Profile: Valeria Panebianco has focused her research on precise approaches applied to prostate cancer for more than 10 years. VP's research has a special interest in the application of computational medicine for the identification of prostate cancer with MRI and molecular biomarkers and in the definition of decisional algorithms for prostate cancer early detection. In this scenario, VP authored about 250 printed papers on "peer reviewed" journals. VP has organized the first Italian screening trial for the early detection of prostate cancer "Prostate Cancer Secondary Screening in Sapienza -, PROSA" (ClinicalTrials.gov Identifier: NCT04803188).

Also, she has been the leader of a position papers on MRI standardization for Bladder Cancer (VI-RADS –Vesical Imaging Reporting and Data System) and on MRI standardization for Prostate Cancer Recurrence (PI-RR – Prostate MRI for local Recurrence Reporting) and has been the co-author of many position papers on prostate cancer management and the application of computation tools to its diagnostic pathway. She has been appointed by the World Health Organization (WHO) to take part to the drafting of the WHO blue book on Urinary Tumors. Since 2022, VP took part to the panel of experts who delineated the latest version of EAU Guidelines on Muscle-invasive and Metastatic Bladder Cancer. In 2022, VP participated to the PI-CAI Challenge on ArtificialIntelligence for Prostate Cancer Detection in MRI as member of the Scientific Advisory Board.

GOLDEN PARAGRAPH

Product type	Number	Data Base	Start	End
Papers	**251**	Scopus/Pubmed	1996	2024
Monographs	**5**	Google	1997	2024
Book Series	**2**	Scopus	2007	2024
Books Chapter	**50**	Google/Scopus	1995	2024

H-INDEX

Hirsch (H) index	**46** (Scopus) – **54** (Google)
10-year Hirsch (H) index	36
5-years Hirsch (H) index	27

WORK EXPERIENCE

2023 – Present
Full Professor of Radiology at the Department of Radiological Sciences, Oncology &Pathology
Sapienza University of Rome
Main duties/responsibilities: Responsible of advanced MR & CT Imaging Division &
Coordinator of the Prostate Unit
Coordinator of the Unità CARE
Sector: Academic and Health sector

2019 – 2023
Associate Professor of Radiology at the Department of Radiological Sciences, Oncology &
Pathology
Sapienza University of Rome
Main duties/responsibilities: Responsible of advanced MR & CT Imaging Division &
Coordinator of the Prostate Unit
Sector: Academic and Health sector

2002–2019
Specialist Radiologist at the Department of Radiological Sciences, Oncology & Pathology
Azienda Ospedaliera-Universitaria Policlinico Umberto I of Rome
Main duties/responsibilities: Responsible of advanced MR & CT Imaging Division &
Coordinator of the Prostate Unit
Sector: Health sector

1999–2002
Specialist Radiologist at the Department of Emergency
Azienda Ospedaliera- Universitaria Policlinico Umberto I of Rome
Main duties/responsibilities: Emergency Radiology Service
Sector: Health sector

EDUCATION AND TRAINING

2022
Good Clinical Practice Certificate
The Global Health Network

2021-2022
Advanced Training Course in the Healthcare Management
Sapienza University of Rome

2003-2007
Residency in Nuclear Medicine with full marks (70/70 cum laude)
Sapienza University of Rome
Nuclear Medicine

1998-2002
Fellowship
Sapienza University of Rome
Research in urogenital and abdominal CT scan & MRI

1994-1998
Residency in Diagnostic Imaging & Images Sciences with full marks (70/70 cum laude)
Sapienza University of Rome
Diagnostic Imaging & Images Sciences

1988-1993

Degree in Medicine (Medical Doctor) with full marks (110/110 cum laude)

Sapienza University of Rome

Medicine and Surgery

1988-1993

Degree in Medicine (Medical Doctor) with full marks (110/110 cum laude)

PERSONAL SKILLS

Organisational / managerial skills

- Member of National PhD Course (2023-today): Faculty Member, PhD on PrecisionMedicine
- Member of PhD Faculty (2021-2022): Faculty Member, PhD on Network Oncology and Precision Medicine
- Board Member of the Residency programme in Radiology and Urology
- International and national appointments:
    - **2024-Today:** Vice-chair of the Prostate MRI working group of the European Society of Urogenital Radiology (ESUR)
    - **2024-Today**: Member of the Communication and Interdisciplinary Affairs Committee of the European Society of Radiology (ESR)
    - **2023**-**Today**: Chairperson of the American College of Radiology (ACR) VI-RADS steering committee.
    - **2023-Today**: Member of the Technical-Management Committee of the "D3 4 Health" Project funded by the Piano Nazionale Complementare (PNC) to the National Recovery and Resilience Plan (NRRP – PNRR)
    - **2023-Today**: Member of the ISMRM - International Society of Magnetic Resonance in Medicine - Safety Committee
    - **2022**-**Today**: Scientific Coordinator for Spoke 3 of the "D3 4 Health" Project funded by the Complementary National Plan (CNP - PNC) to the National Recovery and Resilience Plan (NRRP – PNRR)
    - **2022-Today:** Scientific Coordinator of WP 4 of Spoke 4 of the "HEAL ITALIA" Project fundend as "Partenariato Esteso 6" by the National Recovery and Resilience Plan (NRRP – PNRR)
    - **2022-**Today: Member of the Board of Directors (Consiglio di Amministrazione - CdA) of the "HEAL ITALIA" Project fundend as "Partenariato Esteso 6" by the National Recovery and Resilience Plan
    - **2022**-**Today**: Panel Member of the EAU guidelines on Muscle-Invasive andmetastatic bladder cancer
    - **2022**-**Today**: Board Member of the EAU Section of Urological Imaging (ESUI)
    - **2022-Today**: Fellow of the ICIS - International Cancer Imaging Society
    - **2020-Today**: Member of the ESR Education Committee
    - **2019-Today:** ACR international representative, PI-RADS - Prostate Imaging Reporting and Data System- Committee of American College of Radiology /ACR)
    - **2014/2020:** Member, Genitourinary Scientific Sub-Committee of the ECR - European Congress of Radiology.)
    - **2019-Today:** Member, Committee of the STITCH - Sapienza information-based Technology InnovaTion Center for Health)
- Director of international courses:
    - **2022-2023:** International Network Medicine Training Program in collaboration with Harvard School of Medicine
- Organizer of national and international teaching classes & courses
    - **2023**: 29th ESUR Symposium, Director
    - **2023**: ECR 23 Chairperson of the GU Committee, member of the PPC (program planning committee)
    - **2019:** ESUR Prostate MRI 9th teaching course
    - **2017-Today:** Faculty Member and Promotor, EAU/ ESU - European School of Urology - MRI Masterclass in Prostate cancer)
- Participation to the drafting of important projects for funding (i.e. PRIN, POS, HORIZON)
- Editorial activity for many radiology and urology international journals as an expert.
- Leadership skills: currently responsible for a > 10 people team

ADDITIONAL INFORMATION

Most relevantpublications in the last

10 Years

N.	Title
1	*Artificial intelligence and radiologists in prostate cancer detection on MRI (PI-CAI): an international, paired, non-inferiority, confirmatory study.* Saha A, Bosma JS, Twilt JJ, van Ginneken B, Bjartell A, Padhani AR, Bonekamp D, Villeirs G, Salomon G, Giannarini G, Kalpathy-Cramer J, Barentsz J, Maier-Hein KH, Rusu M, Rouvière O, van den Bergh R, **Panebianco V**, Kasivisvanathan V, Obuchowski NA, Yakar D, Elschot M, Veltman J, Fütterer JJ, de Rooij M, Huisman H; PI-CAI consortium. Lancet Oncol. 2024 Jul;25(7):879-887. doi: 10.1016/S1470-2045(24)00220-1
2	*Clinical application of bladder MRI and the Vesical Imaging-Reporting and Data System.* **Panebianco V**, Briganti A, Boellaard TN, Catto J, Comperat E, Efstathiou J, van der Heijden AG, Giannarini G, Girometti R, Mertens L, Takeuchi M, Muglia VF, Narumi Y, Novara G, Pecoraro M, Roupret M, Sanguedolce F, Santini D, Shariat SF, Simone G, Vargas HA, Woo S, Barentsz J, Witjes JA. Nat Rev Urol. 2024 Apr;21(4):243-251. doi: 10.1038/s41585-023-00830-2.
3	*Prospective Validation Study of a Novel Integrated Pathway Based on Clinical Features, Magnetic Resonance Imaging Biomarkers, and MicroRNAs for Early Detection of Prostate Cancer* 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** Eur Urol Oncol. 2023 Jun 1:S2588-9311(23)00108-6. doi: 10.1016/j.euo.2023.05.008
4	*Low cancer yield in PI-RADS 3 upgraded to 4 by dynamic contrast-enhanced MRI: is it time to reconsider scoring categorization?* Messina E., Pecoraro M., Laschena L., Bicchetti M., Proietti F., Ciardi A., Leonardo C., Sciarra A., Girometti R., Catalano C., **Panebianco V.** European Radiology. 2023 Aug;33(8):5828-5839. doi: 10.1007/s00330-023-09605-0
5	*Epidemiology of Renal Cell Carcinoma: 2022 Update* Bukavina L., Bensalah K., Bray F., Carlo M., Challacombe B., Karam J.A., Kassouf W., Mitchell T., Montironi R., O'Brien T., **Panebianco V.,** Scelo G., Shuch B., van Poppel H., Blosser C.D., Psutka S.P. European Urology. 2022; 82(5):529-542. doi: 10.1016/j.eururo.2022.08.019
6	*Diagnostic Accuracy and Observer Agreement of the MRI Prostate Imaging for Recurrence Reporting Assessment Score* Pecoraro M., Turkbey B., Purysko A.S., Girometti R., Giannarini G., Villeirs G., Roberto M., Catalano C., Padhani A.R., Barentsz J.O., **Panebianco V.** Radiology. 2022; 304(2):342-350. doi: 10.1148/radiol.212252
7	*Convolutional Neural Networks for Automated Classification of Prostate Multiparametric Magnetic Resonance Imaging Based on Image Quality* Cipollari S., Guarrasi V., Pecoraro M., Bicchetti M., Messina E., Farina L., Paci P., Catalano C., **Panebianco V.** Journal of Magnetic Resonance Imaging. 2022; 55(2):480-490. doi: 10.1002/jmri.27879
8	*ESUR/ESUI position paper: developing artificial intelligence for precision diagnosis of prostate cancer using magnetic resonance imaging* Penzkofer T., Padhani A.R., Turkbey B., Haider M.A., Huisman H., Walz J., Salomon G., Schoots I.G., Richenberg J., Villeirs G., **Panebianco V.,** Rouviere O., Logager V.B., Barentsz J. European Radiology. 2021; 31(12):9567-9578. doi: 10.1007/s00330-021-08021-6
9	*Prostate Magnetic Resonance Imaging for Local Recurrence Reporting (PI-RR): International Consensus - based Guidelines on Multiparametric Magnetic Resonance Imaging for Prostate Cancer Recurrence after Radiation Therapy and Radical Prostatectomy* **Panebianco V**., Villeirs G., Weinreb J.C., Turkbey B.I., Margolis D.J., Richenberg J., Schoots I.G., Moore C.M., Futterer J., Macura K.J., Oto A., Bittencourt L.K., Haider M.A., Salomon G., Tempany C.M., Padhani A.R., Barentsz J.O. European urology oncology. 2021; 4(6):868-876. doi: 10.1016/j.euo.2021.01.003
10	*Focus on the Quality of Prostate Multiparametric Magnetic Resonance Imaging: Synopsis of the ESUR/ESUI Recommendations on Quality Assessment and Interpretation of Images and Radiologists' Training* de Rooij M., Israël B., Barrett T., Giganti F., Padhani A.R., **Panebianco V.,** Richenberg J., Salomon G., Schoots I.G., Villeirs G., Walz J., Barentsz J.O. Eur Urol. 2020 Oct;78(4):483-485. doi: 10.1016/j.eururo.2020.06.023
11	*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*

	Del Giudice F., Barchetti G., De Berardinis E., Pecoraro M., Salvo V., Simone G., Sciarra A., Leonardo C., Gallucci M., Catalano C., Catto J.W.F., **Panebianco V.** Eur Urol. 2020 Jan;77(1):101-109. doi: 10.1016/j.eururo.2019.09.029
12	*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?* *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.*** BJU International. 2020; 126(5):610-619; doi: 10.1111/bju.15188
13	*Multiparametric Magnetic Resonance Imaging for Bladder Cancer: Development of VI-RADS (Vesical Imaging-Reporting And Data System)* **Panebianco V**., Narumi Y., Altun E., Bochner B.H., Efstathiou J.A., Hafeez S., Huddart R., Kennish S., Lerner S., Montironi R., Muglia V.F., Salomon G., Thomas S., Vargas H.A., Witjes J.A., Takeuchi M., Barentsz J., Catto J.W.F. Eur Urol. 2018 Sep;74(3):294-306. doi: 10.1016/j.eururo.2018.04.029
14	*Negative Multiparametric Magnetic Resonance Imaging for Prostate Cancer: What's Next?* **Panebianco V**., Barchetti G., Simone G., Del Monte M., Ciardi A., Grompone M.D., Campa R., Indino E.L., Barchetti F., Sciarra A., Leonardo C., Gallucci M., Catalano C. Eur Urol. 2018 Jul;74(1):48-54. doi: 10.1016/j.eururo.2018.03.007
15	*MRI-targeted or standard biopsy for prostate-cancer diagnosis* Kasivisvanathan V, Rannikko AS, Borghi M, *Panebianco V*, Mynderse LA, Vaarala MH, Briganti A, Budäus L, Hellawell G, Hindley RG, Roobol MJ, Eggener S, Ghei M, Villers A, Bladou F, Villeirs GM, Virdi J, Boxler S, Robert G, Singh PB, Venderink W, Hadaschik BA, Ruffion A, Hu JC, Margolis D, Crouzet S, Klotz L, Taneja SS, Pinto P, Gill I, Allen C, Giganti F, Freeman A, Morris S, Punwani S, Williams NR, Brew-Graves C, Deeks J, Takwoingi Y, Emberton M, Moore CM; PRECISION Study Group Collaborators. N Engl J Med. 2018 May 10;378(19):1767-1777. doi: 10.1056/NEJMoa1801993
16	*Reporting Magnetic Resonance Imaging in Men on Active Surveillance for Prostate Cancer: The PRECISE Recommendations—A Report of a European School of Oncology Task Force* *Moore C.M., Giganti F., Albertsen P., Allen C., Bangma C., Briganti A., Carroll P., Haider M., Kasivisvanathan V., Kirkham A., Klotz L., Ouzzane A., Padhani A.R., **Panebianco V**., Pinto P., Puech P., Rannikko A., Renard-Penna R., Touijer K., Turkbey B., van Poppel H., Valdagni R., Walz J., Schoots I.* *Eur Urol. 2017 Apr;71(4):648-655. doi: 10.1016/j.eururo.2016.06.011*

Projects/Grants

2011 / 2012	"MR for GU oncological pathologies" Sponsor: **Bayer Sharing Pharma** prot. n. 23-2010	Role: Principal Investigator	€10.000
2012 / 2013	"Neuroanatomical evaluation of periprostatic nerve before and after radical-prostatectomy usingDTI Fiber Tracking and 3D fast- recovery fast spin-echo (FRFSE) cube overlapping at 3T" - Sponsor: General Electric (GE), prot. n. CE 418/09	Role: Principal Investigator	-
2012 / 2013	"1H-MRS, MRP and DWI combined in the detection of prostate cancer foci in patient withbiochemical alterations at 3T" Sponsor: General Electric (GE), prot. n. CE 418/09	Role: Principal Investigator	-
2013	"Italian Molecular ImagingNetwork"- Iminet Sponsor: MIUR (**CNR funding**).	Role: Appointed Radiologist for the AOU Policlinico Umberto I of Rome)	€61.429,00
2016	"Evaluation of diffusion weightedMRI in patients with resectable liver metastases from colorectal cancer treated with preoperativetherapy" EORTC, prot. n. 1423-IG-GITCG.	Role: Co-Investigator – Appointed Radiologist for the AOU Policlinico Umberto I of Rome	-
2016 / 2019	"A Phase 3 Randomized, Placebo-controlled, Double-blind Study of JNJ- 56021927 Plus ADT Versus ADT in Subjects with Low- volume mHSPC - TITAN". Sponsor: Aragon Pharmaceuticals, Inc. Prot. n. 56021927PCR3002;Phase 3 JNJ-56021927	Role: Co-investigator, responsible for imaging studies	-
2016 / 2018	"A randomised control trial of magnetic resonance imaging - targeted biopsy compared to standard trans-rectal ultrasound guided biopsy for the diagnosis ofprostate cancer in men without prior biopsy (**PRECISION**)"	Role: National Coordinator and Principal investigator	€456,00 set up site €50,00 per participant Totale partecipanti 61
2019	"A study of pattern of use for gadolinium-based contrast agents(**GBCAs**) in patients undergoing CE-MR examination - a cross-sectional, multicentre, observational study with prospective data collection" Sponsor: GE Healthcare Ltd. and its Affiliates; EU PAS: EUPAS21473	Role: Principal Investigator	€ 1.500,00
2020 / 2022	Computational Medicine forProstate Cancer University Research project, Sapienza - University of RomeProt. RM120172A9138938	Role: Principal Investigator	€ 12.000,00

2020 / 2023	"REASONING: foRmal mEthodsfor computAtional analySis for diagnOsis and progNosis in imagING" **PRIN 2020 MUR** –Prot. 2020YL3FB3	Role: Principal Investigator for Sapienza University	€ 178.469,00
2021 / 2024	"Health Technology Assessment of the Prostate Cancer ScreeningRandomized Controlled Trial (PROSA-I), combining Non-Contrast MRI and an Artificial Intelligence Algorithm" University Research project, Sapienza - University of RomeProt. RG12117A6795DBEE	Role: Principal Investigator of Sapienza University ClinicalTrials.gov Identifier: NCT04803188	€ 45.000,00 + € 23.787,00
2022 / 2025	"A study assessing whether bi- parametric MRI is non-inferior to multi-parametric MRI in the diagnosis of clinically significant prostate cancer - (**PRIME**)" – Prot. NCT04571840	Role: National Coordinator and Principal Investigator	€50 per participant Total estimated number: 45
2022 / 2025	**EUCAIM** – "European Federationfor Cancer Images" Project ID - 101100633	Role: Co-Investigator	Total Budget of the project assigned to Sapienza € 291.494,75
2022	"A Multicentre, Open-label Study to Evaluate the Safety and Diagnostic Efficacy of Mangoral inPatients with Known or Suspected Focal Liver Lesions and Severe Renal Impairment – **SPARKLE** - Sponsor: Ascelia Pharma Protocol ASC-Man-P016	Role: Co-Investigator	-
2022 / 2024	"A Randomized, Double-Blind, Placebo-Controlled, Phase 3 Study of ISIS 678354 Administered Subcutaneously toPatients with Severe Hypertriglyceridemia" Sponsor: Ionis Pharmaceuticals,Inc. Protocol ISIS 678354-CS5	Role: Radiology co-Investigator for Sapienza University	-
2022 / 2025	"HEAL ITALIA" - Spoke 4: "4D Precision Diagnostics - Precisionmedicine integrating clinical and imaging biomarkers for a precisein space and time diagnosis" NextGenerationEU - **PNRR**, Missione 4, componente 2 "DallaRicerca all'Impresa" - **Partenariato Esteso 06** CUP: B53C22004000006	Role: Member of the Board of Directors & Scientific Coordinator of WP 4 of Spoke 4	Spoke 4 total: €4.371.690,43 Total as WP4 Referent: € 292.676,00

2022 / 2026	"D^3 4 Health: Digital Driven Diagnostics, prognostics andtherapeutics for sustainable Health care" Spoke 3: "Wearable technologies,sensors and biomarkers for care through Digital Twin approaches" Initiative of the "Piano Nazionale Complementari" (**PNC**) of the "PNRR" CUP: B53C22006120001	Role: Spoke 3 Scientific Coordinator	Total as Spoke 3 Coordinator €9.721.688,37
2022 / 2026	"E-DAI": Ecosistema digitale per analisi integrata di dati sanitari eterogenei relativi a patologie ad alto impatto: modello innovativo diassistenza e di ricerca. Programme: Piano OperativoSalute (**POS**) 2014-2020 CUP: B83C22004150001	Role: Principal Investigator	Total €3.400.000,00
2022 / 2025	"**PRAISE-U** - PRostate cancer Awareness and Initiative for Screening in the European Union"Europe Beating Cancer Plan - EU4Health (all.)	Role: Advisory Board Member for European Society of Radiology	-
2022	"In-Bore" MRI-Guided TargetedBiopsy for Prostate Cancer diagnosis: advanced equipmentfor a precise management" University Research project, Sapienza - University of Rome Prot. MA32218168522B83	Role: Principal Investigator	€99.000,00
2022	"PANACEA - Prostate Cancer Screening and Early Detection based on Network Analysis of Digital Integrated Diagnostics" University Research project, Sapienza - University of Rome" Prot. AH122183322E39F2	Role: Principal Investigator	€12.500,00

Conferences

Invited Lectures

Participation as a lecturer to many events organised by international and national societies:

- 2021-2022-2023-2024: Several invited lectures in many national and international society congresses, courses and meetings.
- 2020: NIH ("A Tour Around VI-RADS")
- 2016-Today: EAU
- 2014-Today: International Society of Magnetic Resonance in Medicine (ISMRM)
- 2014-Today: Radiological Society of North America (RSNA)
- 2010-Today: Italian Chapter dell' International Society of MR in Medicine (ISMRM)
- 2009-Today: European Society of Urogenital radiology (ESUR)
- 1995-Today: European Society of Radiology (ESR) - European Congress of Radiology (ECR)
- 1994-Today: Società Italiana di Radiologia Medica (SIRM)

Oral Communications

Several communications from 1995 to 2014 during national and international congresses organized by the ISMRM, RSNA, ESUR, ECR and SIRM.

Honours and awards

2023: Honorary Membership of Sociedad Española de Diagnostico Por Imagen del Abdomen (SEDIA)

2021: SoME Award: Most influential article "Prostate Magnetic Resonance Imaging for Local Recurrence Reporting (PI-RR): International Consensus-based Guidelines on Multiparametric Magnetic Resonance Imaging for Prostate Cancer Recurrence after Radiation Therapy and Radical prostatectomy" published in European Urology Oncology, Volume 4, Issue 6, 2021, according to PlumX metrics.

2019: Top 2% scientist of the world (Mendeley Data)

2017: Honorary Membership of the Accademia Medica di Roma

2011: Award best presentation Members' Day "3T DTI Fiber tracking in the depiction of periprostatic nerve before and after nerve-sparing prostatectomy", 18th Annual Symposium ESUR

2009: Award best presentation Members' Day "Comparison and correlation between1H-MRI in vivo prostate spectroscopy at 1.5T and ex-vivo high-resolution magic angle 1H-NMR Spectroscopy at 11T in the evaluation of new metabolite levels in prostate cancer", 16th European Symposium on Urogenital Radiology ESUR

2005: "Cum Laude" Award for the original research "Functional MRI of esophagus in healthy subjects: evaluation of normal patterns and future prospects" RSNA

2005: Best presentation Award on "Elaborazioni 3D", Convegno Nazionale della sezione di Radiologia Informatica, Verona 2005

According to law 679/2016 of the Regulation of the European Parliament of 27th April 2016, I hereby express my consent to process and use my data provided in this CV

Rome, 25th September 2024
Signature

_____Valeria Panebianco_____