

Curriculum Vitae



PERSONAL INFORMATIONS

FIRST NAME/SURNAME	Miriam Conte
E-MAIL	miriam.conte@unicamillus.org
DATE OF BIRTH	21/08/1991
NATIONALITY	Italian
GENDER	F

EDUCATION AND TRAINING

31/10/2022	Residency in Nuclear medicine (70/70 cum laude), Sapienza University of Rome
10/08/2018	Medical License, First session 2018
20/03/2018	Degree in Medicine and Surgery (M.D.) - Sapienza University of Rome Thesis title: "mGlu1 receptors e cerebellar Purkinje cells: a potential target for the treatment of spinocerebellar ataxias". Supervisor Prof. Nicoletti Ferdinando
2010	Diploma in Scientific studies, National Computer Science Plan, Liceo Scientifico "L. Da Vinci", Maglie, Lecce.

WORK EXPERIENCE

Nov 2022 – now	Fellowship at Laboratorio di Biofotonica Ultrafast - Director Prof. Luciano De Sio – Department of Medical and Surgical Sciences and Biotechnology, Latina (RM) - Sapienza University of Rome, Italy
Jan 2023 – May 24	Nuclear Medicine Physician Consultant at Centro Medico Polispecialistico Medical Research, Medical Director Dott.ssa Chiara Bruni - Via Teodoro Mommsen, 45 - 00179 Rome - info@medicalresearch.it - T. +39.06.78345939 - T./F.+39.06.7825089
Nov 2018 – Oct 2022	Recidency in Nuclear Medicine , Sapienza University of Rome, Policlinico Umberto I Hospital, Italy
1/06/2022 - 29/07/2022	Observer at Fondazione IRCCS Istituto Nazionale dei Tumori di Milano, Milan Professional study on medical-nuclear therapy procedures and, in particular, radiometabolic therapy (PRRT, 131I therapy, 177Lu-PSMA, SIRT, 131I-mIBG)
Dec 2021-Feb 2022	Internship at Azienda ospedaliero-universitaria Sant'Andrea, Sapienza University of Rome, Italy.
Mar 2021-Jun 2021	Internship at Azienda ospedaliero-universitaria Sant'Andrea, Sapienza University of Rome, Italy.
2018	Internship at IRCCS NEUROMED Istituto Neurologico Mediterraneo, Parco Tecnologico, Via dell'elettronica – Pozzilli (IS), Italy
Dec 2015	Internship at Psychiatric Department (SPDC), Sant'Andrea Hospital, Sapienza University of Rome, Italy.

RESEARCH FUNDINGS

Year	Title	Program	Grant value
2020	Functionalized nanocompound with Radiolabeled Gold Nanoparticles Histidine: Early diagnosis in neurological and gastroenteric diseases in patients with Celiac disease through the use of an innovative radiopharmaceutical for the detection of nickel deposits through molecular imaging	Ricerche UNIVERSITARIE Sapienza Università di Roma, decision made by S.A 256/2020 of 24/11/2020 Protocol number: RM120172B27811D6 - Medium projects. PI: Giuseppe De Vincentis	€ 10.000

ORGANIZATION OF SCIENTIFIC CONGRESSES

13-14/09/2022 Member of the Scientific Committee of the National Satellite Congress Workshop on Advanced Wearable System for Individual Radiation Monitoring in Alpha Targeted Cancer Therapy – DosiTAT wearable – Wearable radiation monitoring system of the oncological patient undergoing therapy Target Alpha FESR European Regional Development Fund Lazio Regional Operational Programme Programming 2014-2020. " Projects of Research Groups 2020".

ORAL PRESENTATIONS AT NATIONAL AND INTERNATIONAL CONGRESS

- 24/10/2020 **Oral Presenter at XXXIII European Congress of European Association of Nuclear Medicine, EANM 2020 Virtual**, Vienna, Austria. Title: “Myocardial 123I-Metaiodobenzylguanidine Scintigraphy in Patient with Heart Failure: a Gender Study”, Session Title: “Featured Session: Nuclear Imaging in Cardiac Arrhythmias”
- 13/05/2022 **Oral Presenter at XV National Congress AIMN 2022 (Associazione Italiana di Medicina Nucleare)**, Title: “Gender differences of Myocardial 123I-metaiodobenzylguanidine scintigraphy in patient with Heart Failure”. Rimini, Italy
- 16/09/2022 **Speaker at "RIUNIONE SCIENTIFICA di MEDICINA NUCLEARE"- Università Cattolica del Sacro Cuore, Rome, Italy**. Title: "Gender differences of myocardial 123I-metaiodobenzylguanidine scintigraphy in patient with heart failure"
- 14/09/2022 **Oral Presenter at Satellite Workshop on Advanced Wearable Systems for Individual Radiation Monitoring in Alpha Targeted Cancer Therapy, Centro Congressi Via Salaria 133, Rome, Italy**. Title: “Clinical factors contributing to the success of therapy with Radium-223”

PUBLICATIONS

RESEARCH PAPERS

1. Frantellizzi V, **Conte M**, De Vincentis G. Hybrid Imaging of Vascular Cognitive Impairment. Semin Nucl Med. 2020 Dec 19:S0001-2998(20)30129-X. doi: 10.1053/j.semnuclmed.2020.12.006.
2. **Conte M***, Frantellizzi V, Matto A, De Vincentis G. New insight and future perspective of mesothelin-targeted agents in nuclear medicine. Clinical and Translational Imaging. 2020. DOI: 10.1007/s40336-020-00379-9. * **first name**
3. Frantellizzi V, **Conte M**, Pontico M, Pani A, Pani R, De Vincentis G. New frontiers in molecular imaging with Superparamagnetic iron oxide nanoparticles (SPIONs): efficacy, toxicity and future applications. Nuclear Medicine and Molecular Imaging. 2020. DOI: 10.1007/s13139-020-00635-w
4. Frantellizzi V, Cosma L, Pani A, Pontico M, **Conte M**, De Angelis C, De Vincentis G. Role of Nuclear Imaging in Cardiac Amyloidosis Management: Clinical Evidence and Review of literature. Current Medical Imaging (CMIM) 2020. DOI: 10.2174/1573405615666191210103452

5. Pontico M, Brunotti G, **Conte M**, Corica F, Cosma L, De Angelis C, De Feo MS, Lazri J, Matto A, Montebello M, Di Rocco A, Frantellizzi V, Farcomeni A, De Vincentis G. The prognostic value of 123I-mIBG SPECT cardiac imaging in heart failure patients: a systematic review. *J Nucl Cardiol*. 2021. Gen. DOI: 10.1007/s12350-020-02501-w.
6. Pacilio, M.; **Conte, M.**; Frantellizzi, V.; De Feo, M.S.; Pisani, A.R.; Marongiu, A.; Nuvoli, S.; Rubini, G.; Spanu, A.; De Vincentis, G. Personalized Dosimetry in the Context of Radioiodine Therapy for Differentiated Thyroid Cancer. *Diagnostics* 2022, 12, 1763. PMID: 35885666 PMCID: PMC9320760 DOI: 10.3390/diagnostics12071763
7. De Feo MS, Sidrak MMA, **Conte M**, Frantellizzi V, Marongiu A, De Cristofaro F, Nuvoli S, Spanu A, De Vincentis G. Breast-Specific Gamma Imaging: An Added Value in the Diagnosis of Breast Cancer, a Systematic Review. *Cancers (Basel)*. 2022 Sep 23;14(19):4619. doi: 10.3390/cancers14194619. PMID: 36230540; PMCID: PMC9559460.
8. **Conte M.***, Frantellizzi V., De Feo MS, De Spirito M., De Vincentis G., Pani R. Fattori clinici favorevoli al successo della terapia con Radium-223 (Poster) * **first name**
9. MS De Feo, V. Frantellizzi, M. De Spirito, M. Pacilio, **M. Conte**, R. Pani, G. De Vincentis Ruolo dell'approccio dosimetrico nella terapia dei pazienti mCRPC con Radium223 (Poster)
10. Pontico, M.; **Conte, M.**; Petronella, F.; Frantellizzi, V.; De Feo, M.S.; Di Luzio, D.; Pani, R.; De Vincentis, G.; De Sio, L. 18F-fluorodeoxyglucose (18F-FDG) Functionalized Gold Nanoparticles (GNPs) for Plasmonic Photothermal Ablation of Cancer: A Review. *Pharmaceutics* 2023, 15, 319. <https://doi.org/10.3390/pharmaceutics15020319>
11. Frantellizzi, V.; Ricci, M.; Cimini, A.; Filippi, L.; **Conte, M.**; De Feo, M.S.; De Vincentis, G. The Role of PET and SPECT Imaging in Prostate Cancer Targeted Alpha Therapy: When and How? *Appl. Sci.* 2023, 13, 1890. <https://doi.org/10.3390/app13031890>
12. Sidrak, M.M.A.; De Feo, M.S.; Corica, F.; Gorica, J.; **Conte, M.**; Filippi, L.; Schillaci, O.; De Vincentis, G.; Frantellizzi, V. Fibroblast Activation Protein Inhibitor (FAPI)-Based Theranostics—Where We Are at and Where We Are Heading: A Systematic Review. *Int. J. Mol. Sci.* 2023, 24, 3863. <https://doi.org/10.3390/ijms24043863>
13. Gorica, J.; De Feo, M.S.; Corica, F.; Sidrak, M.M.A.; **Conte, M.**; Filippi, L.; Schillaci, O.; De Vincentis, G.; Frantellizzi, V. Novel Theranostic Approaches Targeting CCR4-Receptor, Current Status and Translational Perspectives: A Systematic Review. *Pharmaceutics* 2023, 16, 313. <https://doi.org/10.3390/ph16020313>
14. **Conte, M.***; De Feo, M.S.; Sidrak, M.M.A.; Corica, F.; Gorica, J.; Filippi, L.; Schillaci, O.; De Vincentis, G.; Frantellizzi, V. Radiolabeled Dendrimer Coated Nanoparticles for Radionuclide Imaging and Therapy: A Systematic Review. *Pharmaceutics* 2023, 15, 867. <https://doi.org/10.3390/pharmaceutics15030867> * **first name**
15. Corica, F.; De Feo, M.S.; Gorica, J.; Sidrak, M.M.A.; **Conte, M.**; Filippi, L.; Schillaci, O.; De Vincentis, G.; Frantellizzi, V. PET Imaging of Neuro-Inflammation with Tracers Targeting the Translocator Protein (TSPO), a Systematic Review: From Bench to Bedside. *Diagnostics* 2023, 13, 1029. <https://doi.org/10.3390/diagnostics13061029>
16. **Conte, M.***; De Feo, M.S.; Corica, F.; Gorica, J.; Sidrak, M.M.A.; De Cristofaro, F.; Filippi, L.; Ricci, M.; De Vincentis, G.; Frantellizzi, V. A Systematic Review on Dementia and Translocator Protein (TSPO): When Nuclear Medicine Highlights an Underlying Expression. *Biomolecules* 2023, 13, 598. <https://doi.org/10.3390/biom13040598> ***first name**
17. Sidrak, M.M.A.; De Feo, M.S.; Corica, F.; Gorica, J.; **Conte, M.**; Filippi, L.; Evangelista, L.; De Vincentis, G.; Frantellizzi, V. Role of Exendin-4 Functional Imaging in Diagnosis of Insulinoma: A Systematic Review. *Life* 2023, 13, 989. <https://doi.org/10.3390/life13040989>
18. Tomaciello, M.; **Conte, M.***; Montinaro, F.R.; Sabatini, A.; Cunicella, G.; Di Giammarco, F.; Tini, P.; Gravina, G.L.; Cortesi, E.; Minniti, G.; De Vincentis, G.; Frantellizzi, V.; Marampon, F. Abscopal Effect on Bone Metastases from Solid Tumors: A Systematic Review and Retrospective Analysis of Challenge within a Challenge. *Biomedicines* 2023, 11, 1157. <https://doi.org/10.3390/biomedicines11041157> ***first name, equal contribution**

19. **Conte, M.***; De Feo, M.S.; Sidrak, M.M.A.; Corica, F.; Gorica, J.; Granese, G.M.; Filippi, L.; De Vincentis, G.; Frantellizzi, V. Imaging of Tauopathies with PET Ligands: State of the Art and Future Outlook. *Diagnostics* 2023, 13, 1682. <https://doi.org/10.3390/diagnostics13101682> * **first name**
20. Sidrak, M.M.A.; De Feo, M.S.; Gorica, J.; Corica, F.; **Conte, M.**; Filippi, L.; De Vincentis, G.; Frantellizzi. Medication and ECG Patterns That May Hinder SPECT Myocardial Perfusion Scans. *Pharmaceuticals* 2023, 16, 854. <https://doi.org/10.3390/ph16060854>
21. Alberto Miceli, Lorenzo Jonghi-Lavarini, Giulia Santo, Gianluca Cassarino, Flavia Linguanti, Maria Gazzilli, Alessandra Cimino, Ambra Buschiazzi, Stefania Sorbello, Elisabetta Abenavoli, **Miriam Conte**, Miriam Pepponi, Rossella Di Dato, Maria Rondini, Roberto Salis, Elisa Tardelli, Denise Nicolini, Riccardo Laudicella, Flavia La Torre & Anna Giulia Nappi [18F]FDG PET/CT criteria for treatment response assessment: EORTC and beyond. *Clin Transl Imaging* (2023). <https://doi.org/10.1007/s40336-023-00578-0>
22. **Conte M***, De Feo MS, Frantellizzi V, Di Rocco A, Farcomeni A, De Cristofaro F, Maria R, Pisani AR, Rubini G, De Vincentis G. Sex differences in 123I-Mibg scintigraphy imaging techniques in patients with heart failure. *Expert Rev Med Devices*. 2023 Jul 19. doi: 10.1080/17434440.2023.2239139. Epub ahead of print. PMID: 37466442. * **first name**
23. **Conte M.***, De Feo M.S., Frantellizzi V., Marampon F., Filippi L., Schillaci O. & De Vincentis G. (2023): Extrasosseous distribution of 99mTc-diphosphonates during bone scintigraphy: review of the literature with case series presentation, *International Journal of Radiation Biology*, DOI: 10.1080/09553002.2023.2242935 * **first name**
24. **Conte, M.***; De Feo, M.S.; Frantellizzi, V.; Tomaciello, M.; Marampon, F.; Evangelista, L.; Filippi, L.; De Vincentis, G. Radio-Guided Lung Surgery: A Feasible Approach for a Cancer Precision Medicine. *Diagnostics* 2023, 13, 2628. <https://doi.org/10.3390/diagnostics13162628> * **first name**
25. Guglielmo, P.; Alongi, P.; Baratto, L.; Abenavoli, E.; Buschiazzi, A.; Celesti, G.; **Conte, M.**; Filice, R.; Gorica, J.; Jonghi-Lavarini, L.; et al. Head-to-Head Comparison of FDG and Radiolabeled FAPI PET: A Systematic Review of the Literature. *Life* 2023, 13, 1821. <https://doi.org/10.3390/life13091821>
26. De Feo, M.S.; **Conte, M.**; Frantellizzi, V.; Filippi, L.; Evangelista, L.; Ricci, M.; De Vincentis, G. Cardiac Nuclear Imaging Findings in Atypical Variants of Takotsubo Cardiomyopathy. *Appl. Sci.* 2024, 14, 487. <https://doi.org/10.3390/app14020487>
27. De Feo, M.S.; Granese, G.M.; **Conte, M.**; Palumbo, B.; Panareo, S.; Frantellizzi, V.; De Vincentis, G.; Filippi, L. Immuno-PET for Glioma Imaging: An Update. *Appl. Sci.* 2024, 14, 1391. <https://doi.org/10.3390/app14041391>

ABSTRACTS

1. Frantellizzi V., Ippoliti M. D., **Conte M.**, De Vincentis G., DASciS software: a scintigraphic tool able to evaluate the scintigraphic load of bone disease as a survival predictor in mCRPC Radium-223 patients. *Eur J Nucl Med Mol Imaging* (2019) 46 (Suppl 1): S1–S952 DOI: 10.1007/s00259-019- EAMN 2019
2. **Conte M***, Di Rocco A, De Angelis C, Frantellizzi V, Farcomeni A, De Vincentis G. Myocardial 123I-Metaiodobenzylguanidine Scintigraphy in Patient with Heart Failure: a Gender Study. *Eur J Nucl Med Mol Imaging* (2020) 47 (Suppl 1): S1–S753. 10.1007/s00259-020-04988-4, EANM 2020 Virtual, Vienna, Austria. * **first name**
3. Frantellizzi V, Matto A, **Conte M**, Brunotti G, Cosma L, Lazri J, De Feo MS, De Vincentis G. Bone Scan Index as Overall Survival predictor in Breast cancer patients with bone metastases at diagnosis. *Eur J Nucl Med Mol Imaging* (2020) 47 (Suppl 1): S1–S753. 10.1007/s00259-020-04988-4, EANM 2020 Virtual, Vienna, Austria.
4. **Conte M***, De Feo MS, Di Rocco A, Brunotti G, De Angelis C, Montebello M, Frantellizzi V, De Vincentis G. Gender differences of myocardial 123I-metaiodobenzylguanidine scintigraphy in patient with heart failure. *Clin Transl Imaging* (2022) 10 (Suppl 1):S1–S111. Doi:10.1007/s40336-022-00492-x. XV Congresso nazionale AIMN 2022, 12-15/05/2022. Rimini * **first name**

5. Gorica J, De Feo MS, Brunotti G, Frantellizzi V, **Conte M**, Sidrak MMA, Farcomeni A, De Vincentis G. The role of ^{99m}Tc HMPAO-labeled-leucocyte spect imaging in predicting infectious endocarditis. Clin Transl Imaging (2022) 10 (Suppl 1):S1–S111. Doi:10.1007/s40336-022-00492-x. XV Congresso nazionale AIMN 2022, 12-15/05/2022. Rimini
6. M. Tomaciello, **M. Conte**, F.R. Montinaro, A. Sabatini, V. Frantellizzi, F. Marampon, G. Cunicella, F. Di Giammarco, P. Tini, G.L. Gravina, E. Cortesi, G. Minniti, G. De Vincentis. Abscopal effect on bone metastases from solid tumors: a systematic review and retrospective analysis of challenge within a challenge.
7. M. Tomaciello, **M. Conte**, F. Arienzo, V. Frantellizzi, A. Cirillo, C. Ricciardi, A. Priore, G. De Vincentis. C. Di Gioia, G. Minniti, M.F. Osti, G.L. Gravina, P. Tini, A. Botticelli, F. Marampon. Neuroendocrine carcinomas of the head and neck: a multicentric experience and review of the literature, focusing on the role of radiation therapy.

RESEARCH ACTIVITIES

- **Oncological Theragnostics:** use of gold nanoparticles labeled with alpha and gamma emitters for targeted therapy and nuclear medicine imaging of solid tumors
- **Receptor radioisotopes for neurological and cardiological diseases**
- **Alpha emitters therapy**
- **Brain vascular impairment.**

SCIENTIFIC SOCIETIES MEMBERSHIP

2018 – now	Member at Italian Association of Nuclear Medicine (Associazione Italiana di Medicina Nucleare - AIMN)
2020 – now	National Association of Blood Donor Groups FRATRES

PRIZES AND AWARDS

15/05/2022	Highlights lecture at XV National congress of Italian Association of Nuclear Medicine, title: Gender differences of Myocardial ¹²³ I-metaiodobenzylguanidine scintigraphy in patient with Heart Failure, 15 Maggio 2022, Rimini, Italy
27/05/2023	First Prize at National Contest of Italian Association of Nuclear Medicine for the best thesis in Nuclear Medicine , Thesis Title:“Analysis of the predictive value of ¹²³ I-mIBG scintigraphy in heart failure in relation to the sex of the studied subjects”.