

CURRENT POSITION	Assistant Professor of Radiology - Oncological Imaging School of Medicine, University of Crete	tel:+30 6977795314 miklontzas@uoc.gr
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RESEARCH AND CLINICAL INTERESTS	Musculoskeletal Radiology Oncological Imaging Artificial Intelligence Radiomics Biomedical Engineering
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EDUCATION	PhD (2023) University of Crete & Institute of Computer Science - FORTH, Crete, GR Thesis: Artificial intelligence with the use of MRI for bone marrow imaging PhD (2018) Imperial College London, London, UK Thesis: Metabolomics in bone tissue engineering: a sensitive and robust tool for the evaluation of osteogenic differentiation in 2D and 3D cultures MD (2014) University of Crete, Heraklion, GR
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CLINICAL EXPERIENCE	ESOR MSK Radiology Fellow <ul style="list-style-type: none"> • King's College Hospital, London, UK Department of Radiology PET/CT fellow <ul style="list-style-type: none"> • Karolinska University Hospital, Huddinge Nuclear Medicine Department Radiology Resident <ul style="list-style-type: none"> • University Hospital of Heraklion (GR) & Department of Medical Imaging Army Physician Honorary Foundation Year 1 Doctor <ul style="list-style-type: none"> • Northwick Park Hospital, Department of Maxillofacial Surgery and Department of Orthopaedics, HA1 3UJ, London, UK 	September 2023 – December 2023 May 2023 – August 2023 April 2020 – April 2024 15 Jul 2019 – 15 Mar 2020 23 Feb 2015 – 30 Nov 2018
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RESEARCH EXPERIENCE	Affiliated Researcher <ul style="list-style-type: none"> • Department of Clinical Intervention and Technology (CLINTEC) Karolinska Institutet Affiliated Researcher <ul style="list-style-type: none"> • Institute of Computer Science Foundation for Research and Technology (FORTH) Heraklion, GR Postdoctoral Fellow in Regenerative Medicine	Aug 2023 – now Feb 2020 – now 1 Jan 2019 – 24 June 2019
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- Emory University, School of Medicine
Winship Cancer Institute
& Georgia Institute of Technology
Postdoctoral Research Associate 23 Oct 2018 – 30 Nov 2018
 - Imperial College London, Department of Chemical Engineering, London, UK
Marie Skłodowska-Curie Early Stage Researcher Oct 2014 to Oct 2018
 - Department of Chemical Engineering, Imperial College London
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EDITORIAL
EXPERIENCE

- Section Editor (Radiomics) - "European Journal of Radiology"** November 2023 – now
 - Editorial Board Member - "European Radiology"** Jan 2024 – now
 - Trainee Editorial Board Member - "Radiology: Artificial Intelligence"** Jun 2022 – Jun 2024
 - Trainee Editorial Board Member - "RadioGraphics"** Jan 2021 – Dec 2022
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CURRENT
MANAGERIAL-
LEADERSHIP
POSITIONS

- **ESR eHealth & Informatics Subcommittee Member** Starting March 2024
 - **European Institute of Biomedical Imaging Research (EIBIR)** Member of the Future Strategy Task Force Starting March 2024
 - **European Congress of Radiology 2025 Imaging Informatics / Artificial Intelligence and Machine Learning Scientific Subcommittee Member**
 - **ESR Research Committee Member** Sept 2023 - now
 - **EuSoMII Scientific Committee Secretary**
 - **Radiology Trainee Forum (RTF) Board Member** - European Society of Radiology (current)
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PUBLICATIONS IN
PEER-REVIEWED
JOURNALS

Total: 80 in international journals - 7 book chapters,
Editor of 1 international book (Springer)
First - second author: 58, Corresponding author: 12

Representative publications:

1. Kapetanou E., Malamas S., Leventis D., Karantanas A.H., **Klontzas M.E.** "Developing a Radiomics Atlas Dataset of normal Abdominal and Pelvic computed Tomography (RADAPT)". *J Imaging Inform Med*, doi: 10.1007/s10278-024-01028-7, 2024
2. **Klontzas M.E.**, Kalarakis G., Koltsakis E., Papathomas T., Karantanas A.H., Tzortzakakis A. "Convolutional neural networks for the differentiation between benign and malignant renal tumors with a multicenter international computed tomography dataset". *Insights Imaging*, 15(1):26, 2024
3. Kocak B., Akinci D'Antonoli T.,..., **Klontzas M.E.**,...,Cuocolo R. "METHodological RadiomICs Score (METRICS): a quality scoring tool for radiomics research endorsed by EuSoMII", *Insights Imaging*, 171:111313, 2024
4. Vrettos K., Koltsakis E., Zibis A.H., Karantanas A.H. and **Klontzas M.E.**, "Generative adversarial networks for spine imaging: A critical review of current applications", *Eur J Radiol*, 171:111313, 2024
5. Tejani A.S., **Klontzas M.E.**, Gatti A.A., Mongan J., Moy L. Park S.H., Kahn C.E. Jr. "Updating the checklist for artificial intelligence in medical imaging (CLAIM) for reporting AI research". *Nat Machine Intell*, 5: 950-951, 2023
6. Gilad Doron, **Klontzas M.E.**, Athanasios Mantalaris, Robert E. Guldborg, Johnna S. Temenoff, "Multi-omics characterization of mesenchymal stromal cells cultured in monolayer and as aggregates" *Biotechnol Bioeng*, 117(6):1761-1778, 2020.

SUPERVISION -
TEACHING

I have supervised:

1. Main supervisor for 3 MSc students and day-to-day research supervisor three more
2. Three undergraduate students

I have taught undergraduate medicine courses on AI, MSK radiology and oncological imaging and I have been regularly teaching in three MSc programs since 2019 (AI, omics, radiology, oncology, tissue engineering)