Michail Klontzas, M.D., Ph.D. ***Short Curriculum Vitae***

Current Position

Assistant Professor of Radiology
- Oncological Imaging

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Reseach and Clinical Interests

Musculoskeletal Radiology
Oncological Imaging
Artificial Intelligence
Radiomics
Biomedical Engineering

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

Clinical Experience

ESOR MSK Radiology Fellow September 2023 – December 2023
- King's College Hospital, London, UK
  Department of Radiology

PET/CT fellow May 2023 – August 2023
- Karolinska University Hospital, Huddinge
  Nuclear Medicine Department

Radiology Resident April 2020 – April 2024
- University Hospital of Heraklion (GR) &
  Department of Medical Imaging

Army Physician 15 Jul 2019 – 15 Mar 2020

Honorary Foundation Year 1 Doctor 23 Feb 2015 – 30 Nov 2018
- Northwick Park Hospital,
  Department of Maxillofacial Surgery and
  Department of Orthopaedics, HA1 3UJ, London, UK

Research Experience

Affiliated Researcher Aug 2023 – now
- Department of Clinical Intervention and Technology (CLINTEC)
  Karolinska Institutet

Affiliated Researcher Feb 2020 – now
- Institute of Computer Science
  Foundation for Research and Technology (FORTH)
  Heraklion, GR

Postdoctoral Fellow in Regenerative Medicine 1 Jan 2019 – 24 June 2019

- 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 Sklodowska-Curie Early Stage Researcher Oct 2014 to Oct 2018

- Department of Chemical Engineering,Imperial College London

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

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)

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. Guldberg, 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)