

ΜΑΡΙΝΟΣ ΓΕΡ. ΜΕΤΑΞΑΣ

PERSONAL INFORMATION

- ΕΓΓΑΜΟΣ με τρία τέκνα
- Υπηκοότητα: **ΕΛΛΗΝΙΚΗ**
- Ημ/νία Γέννησης: **27th IAN. 1970**
- Τόπος Γεννήσεως: **Αθήνα**

ΕΚΠΑΙΔΕΥΣΗ

2000 - 2005 University College London, London UK

PhD στην Ιατρική Φυσικής

Title: Source Localisation and Dose Verification for X-Ray Intra-Operative Radiotherapy

1993 - 1995 University of Surrey, Guildford, UK

MSc στην Ιατρική Φυσική

1990-1993 Imperial College, Institute of Science, Technology and Medicine, London, UK

BSc στην Physics (Hons)

PROFESSIONAL EXPERIENCE

2011 – σήμερα Ακτινοφυσικός, Υπεύθυνος Ακτινοπροστασίας, Ειδικός Λειτουργικός Επιστήμονας Ε.Λ.Ε. Β' Βαθμίδος **ΙΔΡΥΜΑ ΙΑΤΡΟΒΙΟΛΟΓΙΚΩΝ ΕΡΕΥΝΑΚΑΔΗΜΙΑΣ ΑΘΗΝΩΝ (ΙΙΒΕΑΑ)**. Τμήμα PET/CT, Κέντρο Κλινικής και Πειραματικής Χειρουργικής και Μεταφραστικής Έρευνας

2007-2010 University College London Hospitals NHS Trust
Radiotherapy Physics Group
Department of Oncology
Band 7 Radiotherapy Physicist (HPC reg. 2009)

2004-2007 University College London, Dept of Medical Physics and Bioengineering

Μεταδιδακτορικός Ερευνητής Post-Doctoral Research Fellow:

- I-Imas (Intelligent Imaging sensor in Medicine) European Project FP6

2000-2007 University College London Hospitals NHS Trust

Κλινικός Επιστήμονας

Τμήμα Ακτινοθεραπείας

Meyerstein Cancer Institute

Middlesex Hospital, London, UK

- Radiotherapy Physicist employed for TARGIT trial implementation

1997-1999 PhotoElectron Corporation (PeC), Lexington, MA, USA

- Κλινικός Επιστήμονας / Ακτινοφυσικός **Massachusetts General Hospital (MGH), Boston MA, USA**

PROFESSIONAL BODIES MEMBERSHIP AND ACADEMIC POSTS:

Key Opinion Leader (KOL) for Carl Zeiss IntraBeam System for issues concerning Dosimetry, QA and Clinical Applications for the European Region **2012 -**

Hellenic Permit to work as Medical Physicist **2011**

Health Professions Council registered (**Reg No: CS17641**) **2008**

Association of Clinical Scientists Certificate of Attainment (**ACS:1478**) **2008**

Corporate Member of the Institute of Physicists and Engineers in Medicine (**MIPEM No: 2472**) **2008**

Certified Scientist (CSci) Certificate of Attainment (**IPEM/108/002472**) **2008**

Honorary Senior Lecturer, Research Department of Surgical Oncology, UCL. London **2007-2014**

Chairman of the International **TARGET** Physics Group **2002 - 2014**

Member of the **TARGET** International Steering Committee **2002 - 2014**

(**TARGET**: Targeted Intra-Operative Radiotherapy) International Breast Cancer Randomised trial

ΔΗΜΟΣΙΕΥΣΕΙΣ

2020 Human white-fat thermogenesis: Experimental and meta-analytic findings Temperature doi.org/10.1080/23328940.2020.1769530 Petros C. Dinas , Argyro Krase , Eleni Nintou , Alexandros Georgakopoulos ,Marnie Granzotto , **Marinos Metaxas** , Elena Karachaliou , Marco Rossato ,Roberto Vettor , Panagiotis Georgoulas , Tiago S. Mayor , John Koutsikos ,Konstantinos Athanasiou , Leonidas G. Ioannou , Paraskevi Gkiata , AndresE. Carrillo , Yiannis Koutedakis , George S. Metsios , Athanasios Z. Jamurtas ,Sofia Chatziioannou & Andreas D. Flouris

2019 Adjustment of vascular 2-deoxy-2-[¹⁸F]fluoro-D-glucose uptake values over time through a modeling approach Int J Cardiovasc Imaging 2019 May;35(5):955-964. Pavlos P Kafouris^{1,2}, Iosif P Koutagiar³, Alexandros T Georgakopoulos², Nikoletta K Pianou², **Marinos G Metaxas**², George M Spyrou⁴, Constantinos D Anagnostopoulos⁵

2018 Inhibition of Aortic Valve Calcification by Local Delivery of Zoledronic Acid-an Experimental Study **J Cardiovasc Transl Res. 2018 Jun;11(3):192-200** Synetos A, Toutouzas K, Drakopoulou M, Koutagiar I, Benetos G, Kotronias R, Anousakis-Vlachochristou N, Latsios G, Karanasos A, Agrogiannis G, **Metaxas M**, Stathogiannis K, Papanikolaou A, Georgakopoulos A, Pianou N, Tsiamis E, Patsouris E, Papalois A, Cokkinos D, Anagnostopoulos C, Tousoulis D.

2017: ¹⁸F-FDG PET/CT imaging detects aortic wall inflammation in patients with repaired coarctation of aorta **Circulation Cardiac Imaging** Stella Brili MD, Evangelos Oikonomou MD PhD, Alexios S. Antonopoulos MD PhD, Nikoletta Pianou MD, Alexandros Georgakopoulos MD, Iosif Koutagiar MD, Pavlos Kafouris BSc, Evangelia Stroumpouli MDe Christos Dounis MD, **Marinos Metaxas PhD**, George Spyrou PhD, Constantinos D. Anagnostopoulos MDPHD, FRCP, FRCR, FESC, Dimitris Tousoulis MD PhD FESC

2017: Vascular inflammation and metabolic activity in hematopoietic organs and liver in familial combined hyperlipidemia and heterozygous familial hypercholesterolemia **J Clin Lipidol. 2018 Jan - Feb;12(1):33-43.** Toutouzas , Skoumas , Koutagiar , Benetos , Pianou , Georgakopoulos A3, Galanakis S2, Antonopoulos A4, Drakopoulou M2, Oikonomou EK5,

Kafouris P6, Athanasiadis E7, **Metaxas M**, Spyrou G8, Pallantza Z2, Galiatsatos N2, Aggeli C2, Antoniadis C5, Keramida G9, Peters AM9, Anagnostopoulos CD10, Tousoulis D2.

2013: Updated results of local control and first analysis of survival from the randomized trial of risk-adapted TARGETed Intraoperative radiotherapy (TARGIT-A) for early breast cancer. *The Lancet* 11/2013; DOI:10.1016/S0140-6736(13)61950-9. Vaidya JS, Joseph DJ, Tobias JS, Bulsara M, Wenz F, Saunders C, Alvarado M, Flyger HL, Massarut S, Eiermann W, Keshtgar M, Dewar J, Kraus-Tiefenbacher U, Sütterlin M, Esserman L, Holtveg HM, Roncadin M, Pigorsch S, **Metaxas M**, Falzon M, Matthews A, Corica T, Williams NR, Baum M **IMPACT FACTOR 47.8**

2011: Targeted Intra Operative Radiotherapy for breast cancer in patients in whom external beam is not possible. *Int J Radiat Oncol Biol Phys.* 2011 May 1;80(1):31-8. doi: 10.1016/j.ijrobp.2010.11.016. Keshtgar MR, Vaidya JS, Tobias JS, Wenz F, Joseph D, Stacey C, **Metaxas MG**, Keller A, Corica T, Williams NR, Baum M. **IMPACT FACTOR 4.1**

2010: Targeted Intra Operative Radiotherapy versus whole breast radiotherapy for breast cancer (TARGIT-A trial): an international, prospective, randomised, non-inferiority phase 3 trial. *The Lancet*, 2010 Jul 10;376(9735):90. Vaidya JS, Joseph DJ, Tobias JS, Bulsara M, Wenz F, Saunders C, Alvarado M, Flyger HL, Massarut S, Eiermann W, Keshtgar M, Dewar J, Kraus-Tiefenbacher U, Sütterlin M, Esserman L, Holtveg HM, Roncadin M, Pigorsch S, **Metaxas M**, Falzon M, Matthews A, Corica T, Williams NR, Baum M **IMPACT FACTOR 47.8**

2008: Breast Cancer patients treated with intra-operative radiotherapy (IORT) alone when conventional external beam radiation therapy (EBRT) was not possible. *J. Clin Oncology* 26:11517 Keshtgar M, Tobias JS, Vaidya JS, Williams N, Stacey C, **Metaxas M**, Douek M, Brew-Graves C, Baum M **IMPACT FACTOR 24.8**

2008: Design and Characterisation of the I-Imas multi element X-Ray detector system 'The I-ImaS System'. *IEEE Transactions in Nuclear Science* 14: 245-53, C.J. Esbrand, C.D. Arvanitis, S. Pani, B.D. Price, J.A. Griffiths, **M. Metaxas**, G.J. Royle, M. Noy, J. Leaver, R. Longo, T. Rokvic, R. Turchetta, H. Giorgiou, H. Schulerud, R.D. Speller **IMPACT FACTOR 1.5**

2008: Preliminary images from an adaptive imaging system. *Physica Medica* 10.1016. Griffiths JA, **Metaxas MG**, Pani S, Schulerud H, Esbrand C, Royle GJ, Price B, Rokvic T, Longo R, Asimidis A, Bletsas E, Cavouras D, Fant A, Gasiorek P, Georgiou H, Hall G, Jones J, Leaver J, Li G, Machin D, Manthos N, Matheson J, Noy M, Ostby JM, Psomadellis F, van der Stelt PF, Theodoridis S, Triantis F, Turchetta R, Venanzi C, Speller RD. **IMPACT FACTOR 2.0**

2007: I-IMAS: A 1.5D sensor for high-resolution scanning. *Nuclear Instruments and methods in Physics research* Section A: Volume 582, Issue 3, 1 December 2007, Pages 866–870 R. Turchetta, A. Fant, P. Gasiorek, C. Esbrand, J.A. Griffiths, **M.G. Metaxas**, G.J. Royle, R. Speller, C. Venanzi, P.F. van der Stelt, H. Verheij, G. Li, S. Theodoridis, H. Georgiou, D. Cavouras, G. Hall, M. Noy, J. Jones, J. Leaver, D. Machin, S. Greenwood, M. Khaleeq, H. Schulerud, J.M. Østby, F. Triantis, A. Asimidis, D. Bolanakis, N. Manthos, R. Longo, A. Bergamaschi . **IMPACT FACTOR 1.5**

2007: CMOS Monolithic Active Pixel Sensors (MAPS). Developments and future outlook. *Nuclear Instruments and methods in Physics research* Section A: Volume 582, Issue 3, 1 December 2007, Pages 866–870. R. Turchetta, A. Fant, P. Gasiorek, C. Esbrand, J.A. Griffiths, **M.G. Metaxas**, G.J. Royle, R. Speller, C. Venanzi, P.F. van der Stelt, H. Verheij, G. Li, S. Theodoridis, H. Georgiou, D. Cavouras, G. Hall, M. Noy, J. Jones, J. Leaver, D. Machin, S. Greenwood, M. Khaleeq, H. Schulerud, J.M. Østby, F. Triantis, A. Asimidis, D. Bolanakis, N. Manthos, R. Longo, A. Bergamaschi . **IMPACT FACTOR 1.5**

2007: Adaptive Image content-based exposure control for scanning applications in radiography. *Springer Lecture Notes in Computer Science*, 4678/2007, 543-52, H. Schulerud, J. Thielemann, T. Kirkhus, K. Kaspersen, J.M. Østby, **M.G. Metaxas**, G. J. Royle, J. A. Griffiths **IMPACT FACTOR 4.2**

2006: Breast-conserving Surgery with Intra-operative Radiotherapy: The Right Approach for the 21st Century?. *J Clinical Oncology* 18:3, 220-228, (2006). S. Tobias, J.S. Vaidya, M. Keshtgar, M. Douek, **M. Metaxas**, C. Stacey, R. Sainsbury, D. **IMPACT FACTOR 24.8**

2001: Targeted intra-operative radiotherapy (TARGIT): An innovative method of treatment for early breast cancer. *Annals of Oncology* 12:1075-1083. Vaidya JS, Baum M, Tobias JS, D'Souza DP, Naidu SV, Morgan S, **Metaxas M**, Harte KJ, Sliski AP, Thomson E. **IMPACT FACTOR 11.9**

ΣΥΝΕΔΡΙΑ – ΟΜΙΛΙΕΣ/ΠΟΣΤΕΡΣ

2016: Administered dose optimization aiming for constant image quality in 3D 18F-FDG whole body PET/CT studies: Clinical implementation of the quadratic relation between dose and patient's body mass on two systems M. Kotzasarlidou, **M. Metaxas**, A. Georgakopoulos, A. Pashali, N. Pianou, S. Chatziioannou, V. Chatzipavlidou *Annual Congress of the European Association of Nuclear medicine, October 15-19 2016, Barcelona, Spain (e-poster)*

2016: Higher arterial wall inflammation in familial combined hyperlipidemia (FCH) compared to heterozygous familial hypercholesterolemia (hFH): insights from a pilot ¹⁸F-FDG PET/CT study Nikoletta Pianou, Konstantinos Toutouzas Iosif Koutagiari, Alexandros Georgakopoulos, J. Skoumas, Georgios Benetos, Pavlos Kafouris, Spyros Galanakis, **Marinos Metaxas**, A. Rigatou, George Spyrou, A.M. Peters· Dimitrios Tousoulis, Constantinos D Anagnostopoulos *Annual Congress of the European Association of Nuclear medicine, October 15-19 2016, Barcelona, Spain (oral presentation)*

2016: Morphological and functional characteristics of the carotid plaques are not correlated: insights from positron emission tomography and microwave radiometry I. Koutagiari, K. Toutouzas, G. Benetos, N. Pianou, A. Georgakopoulos, E. Athanasiadis, S. Galanakis, M. **Metaxas**, G. Spyrou, P. Kafouris, D. Kokkinos, D. Tousoulis, CD. Anagnostopoulos. **European Society of Cardiology (ESC) Congress 2016, 27-31 August, Rome, Italy**

2016: Increased arterial inflammation assessed by positron emission tomography is associated with higher thermal heterogeneity and macrophage infiltration in carotid plaques G. Benetos, K. Toutouzas, I. Koutagiari, A. Georgakopoulos, N. Pianou, M. **Metaxas**, G. Agrogiannis, E. Athanasiadis, G. Spyrou, K. Fillis, E. Siores, E. Patsouris, D. Kokkinos, D. Tousoulis, CD. Anagnostopoulos **European Society of Cardiology (ESC) Congress 2016, 27-31 August, Rome, Italy**

2008: The role of the radiotherapy physicist in the clinical implementation of the Intrabeam system for intraoperative radiotherapy Stacey C and **Metaxas M.** *AAPM Proceedings 2008*

2006: Use of intra-operative radiotherapy (IORT) alone in breast cancer patients *ESSO Proceedings*

2004: Source Location and Dose Verification for x-ray Intra-Operative Radiotherapy (IORT). *IEEE MIC Proceedings 2004.* **Metaxas M.** Speller R., Royle G., Seco J.