

## CURRICULUM VITAE

**Last Name:** Seimenis

**Date of Birth:** 27/12/68

**Nationality:** Greek

**First Name:** Ioannis

**Place of Birth:** Athens, Greece

**Marital Status:** Married

**Home Address:** 48B Artotinis str, 116 33, Athens, Greece. Tel./Fax: -30-210-7013954

**Work Address:** "Ayios Therissos", Medical Diagnostic Center,  
92 Troodous Ave., P.O. Box 28405, 2033 Strovolos, Nicosia, Cyprus.  
Tel.: -35-722-442630, Fax: -35-722-315922, Cel.: -30 6946 283202

**Email:** [yiannis.seimenis@yahoo.gr](mailto:yiannis.seimenis@yahoo.gr)

### Education:

- 1992-1997 University of Aberdeen, Dept. of Bio-Medical Physics and Bio-Engineering, Aberdeen, U.K.  
Ph.D. (Medical Physics)  
Thesis Title: «The Efficacy of MR Techniques in the Detection and Assessment of Renal Injury in Clinically Relevant Animal Models of Renal Disease».
- 1991-1992 University of Aberdeen, Dept. of Bio-Medical Physics and Bio-Engineering, Aberdeen, U.K.  
M.Sc. (Medical Physics)  
Thesis Title: «Texture and SPECT Imaging».
- 1986-1991 University of Athens, Dept. of Physics  
B.Sc. (Physics), Grade: 7.51/10.00  
Thesis Title: «Equivalent Doses from Environmental Radioactivity in Greece».

### Work Experience:

- Jul/2004-Mar/2006 Senior Sales Modality Specialist  
Philips Hellas S.A., Philips Medical Systems
- Oct/2003-Aug/2004 Lecturer in Radiology (according to the Greek presidential enactment 407/80), Medical School, University of Athens, GR.
- Jul/1999-Jun/2004 Clinical Scientist  
Philips Hellas S.A., Philips Medical Systems
- Sep/1997-Apr/1999 Medical Physicist Trainee, 401 General Army Hospital & Aretaieion Hospital, University of Athens, GR.
- Jan/1996-Jun/1997 Research and Education Assistant, University of Aberdeen, Grant of the Medical Research Council, UK.
- 1992-1995 Laboratory Assistant, University of Aberdeen.

**Current Positions:**

Apr/2006-	Clinical Scientist, “Ayios Therissos”, Diagnostic Medical Center, Nicosia, CY
Feb/2005-	Research Assistant, Laboratory of Nuclear Physics and Elementary Particles, Dept. of Physics, University of Athens, GR

**Fellowships in Research Grants:**

1996-1997	Grant of the Medical Research Council, UK.
1996-1998	Anglo-German co-operation, Grant of the British Council, UK.
1999-2001	Program EPET II, Project “Galinos”, Hellenic General Secretariat for Research and Technology.
2000-2002	D 90 PENED Grant of the Hellenic General Secretariat for Research and Technology and the European Social Fund.
2001-2002	EPAN – M.4.3, 201 3555, A.II. 15557/6 – 2001 Grant on Polish-Hellenic co-operation, European Social Fund.
2004-2005	Program “Herakleitos”, Grant 70 / 3 / 7200, Hellenic General Secretariat for Research and Technology.
2005-2006	Program “Pythagoras II”, Grant K.A. 70/3/7940, Greek Ministry of Education.

**Languages:**

Advanced level in English, Conversational level in Italian and German.

**Other Professional activities:**

- Collaboration with various bodies and organizations, such as Centers for Vocational Training and the Greek Technical Chamber, on educational and training courses.
- Fellow of the National Statistical Agency of Greece (since March 1999).
- Member of CORDIS (Community Research & Development Information Service – Experts to monitor EU RTD Programmes) and member of various Project Assessment Committees (following selection from the Human Scientific Database of the Hellenic General Secretariat for Research and Technology).
- Professional society memberships include the Radiological Society of North America (RSNA), the European Congress of Radiology (ECR) and the Hellenic Association of Medical Physicists.

### Scientific Publications in Peer Reviewed Journals:

Seimenis I., Foster M.A., Lurie D.J., Hutchison J.M.S., Whiting P.H. and Payne S. The excretion mechanism of the spin label proxyl carboxylic acid (PCA) from the rat monitored by X-band ESR and PEDRI. *Magn. Reson. Med.*, **37**, 552-558, 1997.

Foster M.A., Seimenis I. and Lurie D.J. The application of PEDRI to the study of free radicals in vivo. *Phys. Med. Biol.*, **43**, 1893-1897, 1998.

Alecci M., Seimenis I., McCallum S.J., Lurie D.J. and Foster M.A. Nitroxide free radical clearance in the live rat monitored by radio-frequency CW-EPR and PEDRI. *Phys. Med. Biol.*, **43**, 1899-1905, 1998.

Seimenis I., Foster M.A., Lurie D.J., Hutchison J.M.S., Whiting P.H. and Payne S. Analgesic nephropathy in the rat monitored by Proton-Electron Double-Resonance Imaging (PEDRI). *Magn. Reson. Med.*, **40**, 280-286, 1998.

Mulsch A., Lurie D.J., Seimenis I., Fichtlscherer B. and Foster M.A. Detection of nitrosyl-iron complexes by proton-electron-double-resonance imaging. *Free Radic Biol Med*, **27**, 636-646, 1999.

Pappas E., Seimenis I., Angelopoulos A., Georgolopoulou P., Kamariotaki-Paparigopoulou M., Maris T., Sakelliou L., Sandilos P. and Vlachos L. Narrow stereotactic beam profile measurements using N-vinylpyrrolidone based polymer gels and Magnetic Resonance Imaging. *Phys Med Biol*, **46**, 783-797, 2001.

Papagiannis P., Pappas E., Kipouros P., Angelopoulos A., Sakelliou L., Baras P., Karaiskos P., Seimenis S., Sandilos P. and Baltas D. Dosimetry close to an <sup>192</sup>Ir HDR source using N-vinylpyrrolidone based polymer gels and Magnetic Resonance Imaging. *Med Phys*, **28**, 1416-1426, 2001.

Kipouros P., Pappas E., Baras P., Hatzipanayoti D., Karaiskos P., Sakelliou L., Sandilos P. and Seimenis I. Wide dynamic dose range of VIPAR polymer dosimetry. *Phys Med Biol*, **46**, 2143-2159, 2001.

P. Baras, I. Seimenis, P. Kipouros, P. Papagiannis, A. Angelopoulos, L. Sakelliou, E. Pappas, D. Baltas, P. Karaiskos, P. Sandilos and L. Vlachos. Polymer gel dosimetry using a 3D MRI acquisition technique. *Medical Physics*, **29**, 2506-2516, 2002.

Kipouros P., Anagnostopoulos, G., Angelopoulos A., Baltas D., Baras P., Drolapas A., Karaiskos P., Pantelis E., Papagiannis P., Sakelliou L., and Seimenis I. Dosimetric calculations and VIPAR polymer gel dosimetry close to the microSelectron HDR. *Zeitschrift fur Medizinischen Physik*.

Pappas E, Angelopoulos A, Kipouros P, Vlachos L, Xenofos S and Seimenis I. Evaluation of the performance of VIPAR polymer gels using a variety of x-ray and electron beams. *Phys Med Biol.*, **48**, N65-73, 2003.

P. Kipouros, P. Papagiannis, L. Sakelliou, P. Karaiskos, P. Sandilos, P. Baras, I. Seimenis, M.Kozicki, A. anagnostopoulos, P. Baltas, "3D dose verification in <sup>192</sup>Ir HDR prostate monotherapy using polymer gels and MRI", *Med. Phys.*, **30**, 2031-9, 2003.

Mavrogeni S.I., Manginas A., Papadakis E., Foussas S., Douskou M., Baras P., Seimenis I. and Cokkinos D.V. "Correlation between Magnetic Resonance Angiography (MRA) and quantitative coronary Angiography (QCA) in ectatic coronary vessels", *J. Cardiovasc. Magn. Reson.*, **6**, 17-23, 2004.

Mavrogeni S., Papadopoulos G., Douskou M., Kaklis S., Seimenis I., Baras P., Nikolaidou P., Bakoula C., Karanasios E., Manginas A., and Cokkinos D.V. "Magnetic Resonance Angiography is equivalent to X-ray coronary angiography for the evaluation of coronary arteries in Kawasaki disease", *J. Am. Coll. Card.*, **43**, 649-652, 2004.

Sandilos P, Angelopoulos A, Baras P, Dardoufas K, Karaikos P, Kipouros P, Kozicki M, Rosiak JM, Sakelliou L, Seimenis I and Vlahos L. "Dose verification in clinical IMRT prostate incidents", *Int J Radiat Oncol Biol Phys*, **59**, 1540-1547, 2004.

Roussakis A., Baras P., Seimenis I., Andreou J., and Danias P.G. "Relationship of numbers of phases per cardiac cycle and accuracy of measurements of left ventricular volumes, ejection fraction and mass", *J Cardiovasc. Magn. Reson.*, **6**, 837-844, 2004.

Papagiannis P, Karaikos P, Kozicki M, Rosiak JM, Sakelliou L, Sandilos P, Seimenis I and Torrens M. "Three-dimensional dose verification of the clinical application of gamma knife stereotactic radiosurgery using polymer gel and MRI", *Phys. Med. Biol.*, **50**, 1979-1990, 2005.

Mavrogeni SI, Manginas A, Papadakis E, Douskou M, Cokkinos D, Katsiva V, Foussas S, Voudris V, Giakoumelos A, Seimenis I, Baras P and Cokkinos DV. "Coronary flow evaluation by TIMI frame count and magnetic resonance flow velocity in patients with coronary artery ectasia", *J. Cardiovasc. Magn. Reson.* **7**, 545-550, 2005.

Pantelis E, Lympelopoulou G, Papagiannis P, Sakelliou L, Stiliaris E, Sandilos P, Seimenis I, Kozicki M and Rosiak JM. "Polymer gel dosimetry close to an (125)I interstitial brachytherapy seed". *Phys. Med. Biol.*, **50**, 4371-4384, 2005.

Baras P., Seimenis I., Sandilos P., Vlachos L., Bieganski T., Georgiou E., Pantelis E., Papagiannis P. and Sakelliou L. "An evaluation of the TSE MR sequence for time efficient data acquisition in polymer gel dosimetry of applications involving high doses and steep dose gradients", *Med Phys*, **32**, 3339-3345, 2005.

Alexopoulou E., Stripeli F., Baras P., Seimenis I., Kattamis A., Ladis V., Efstathopoulos E., Brountzos E.N., Kelekis A.D. and Kelekis N.L. "R2 relaxometry with MRI for the quantification of tissue iron overload in beta-thalassemic patients", *J Magn Reson Imaging*, **23**, 163-170, 2006.