

Short Curriculum Vitae

Kiki Theodorou

Date of Birth : June 17, 1970
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Present Position

- Professor on Medical Physics & Informatics, Medical School, University of Thessaly
- Research Associate of the Medical Physics Department, Karolinska Institute, Stockholm, Sweden

Degrees

- BSc in Physics, 1994. Physics Department, University of Patras, Hellas
- MSc in Medical Physics, 1996. Medical Physics Department, Medical School, University of Patras, Patras, Hellas.
- Ph.D. in Medical Physics, 1999. Medical Physics Department, Medical School, University of Patras, Patras, Hellas
- PostDoc, Medical Physics Department, Karolinska Institute, Sweden (1999-2001)

Grants - Distinctions

- Jack Fowler Award (2005)
- Swedish Cancer Institute (1998-2000)
- European Society of Radiotherapeutic Oncology - ESTRO (June 1998)
- Bodosakis Foundation (1996-2000)
- YPER grant (Oriented Research grant – General Secretariat of Research and Technology) 1998 - 2001
- Marie Curie Research Grant, European Community (1998 – 2001)
- Acknowledgement letter from the Rector of the University of Patras for “the importance and the work done for the construction and installation of the first stereotactic radiotherapy unit in Greece.”
- Educational Exchange Program, Ministry of Education (November, 1998)

Special Appointments

- Secretary General in European Board for Accreditation in Medical Physics (EBAMP)
- Editor, Associate Editor and regular referee in 7 scientific journals (e.g. Medical Physics Journal, Radiotherapy & Oncology, WJR, etc)
- Member of the Scientific Committee in 2 ESTRO Conferences
- Radiotherapy Scientific Expert of International Atomic Energy Agency (IAEA). 6 assignments in Africa, 2 in Asia and 2 in Europe till now.

Member of the following Societies

- Hellenic Association of Medical Physics (H.A.M.P.)
- Balkan Union of Oncology (B.U.ON.) and Balkan School of Oncology (B.S.O.)
- European Society for Therapeutic Radiology and Oncology (ESTRO)
- Hellenic Society of Radiotherapeutic Oncology (H.S.R.O.)
- Hellenic Association of Physicists (H.A.P.)

Teaching Activities

- Undergraduate and postgraduate medical physics teaching
- Radiophysics Practical Training in Hospital
- Lectures in Radioprotection for Medical Staff
- Supervising of 23 PhD Thesis and more than 35 MSc thesis

Research Activities

- Radiation protection studies for ionizing and non-ionizing radiation
- Advanced techniques on MR imaging (2008-now)
- Computer Application in Radiation Therapy. Development of Algorithms (Radiotherapy Treatment Planning Systems) for the patient dose calculation (1993 – now)
- System Validation of the Virtual Simulation program AdvantageSIM and development of a universal database – General Electric Medical Systems, Buc, France (1994-1995).
- Stereotactic Radiotherapy and Radiosurgery (1996-now)
- Radiobiological modelling and optimization of external beam radiotherapy techniques. (1998- now)
- Dosimetry of high energy photon and electron beams (1994-now)
- Monte Carlo applications (1996-now)

Main International Research Collaborations (in the frame of Bilateral and European Research Projects)

1. Harvard University, Medical Physics Department (Prf. G. Makrigrigos)
2. Institut CURIE, Paris, France (Dr. J.C. Rosenwald)
Treatment Planning Algorithms, Stereotactic Radiotherap, Dynamic Collimation
3. Faculté de Médecine - Hôpital Tenon - Département de Radiothérapie, Paris, France (Pr. M. Schlienger, Dr. D. Lefkopoulos)
Stereotactic Radiotherapy
4. Karolinska Institutet, Stockholms Universiteit, Medicinsk Stralningsfysik, Stockholm, Sweden
Radiobiological Optimisation in Radiotherapy, Dynamic Radiotherapy, Dynamic Collimation in Stereotactic Radiotherapy,

Clinical Experience

1. Medical Radiation Physics, University Hospital of Larisa (2001-now)
2. Medical Radiation Physics, University Hospital of Patras (1996-1999)
3. Medical Physics Department, Karolinska Institute, Sweden (1998-2001)
3. Institute CURIE, Service de Radiophysique, Paris
Research Project with subject "Computer simulation of the multileaf collimators", (1.8.95 till 20.12.95).
4. Royal Free Hospital, London (1-8.4.96)
5. Radiation Protection studies and Hazard Reports to Radiological Centers in Hellas
6. Radiotherapy Dept., European Institute of Oncology, Milan, Italy (2013)

Administrative Activities

1. Chair of the European Conference on Medical Physics (2014)
2. Board Member of the Hellenic Association of Medical Physicists (2009-now)
3. Member of Medical Application of Ionizing and non-Ionizing radiation Committee, Ministry of Health (2009-now)
4. Assistant, administrative team, DYNARAD Project (32 Hospitals in Europe), BIOMED-I (Coordinator: Prof. B. Proimos), 1994 - 1997
5. Responsible for four research projects of the Medical Radiation Physics Division of the Medical Physics Department, University of Patras
6. Member of the scientific and organizing committee of the "1st school in Radiation Physics" - Balkan School of Oncology. 30/06/97 – 06/07/97, Patras, Hellas
7. Seminar "Radiation Therapy Physics", Organiser: Ecole Franco-Chinoise de Radiothérapie Kappas C.Theodorou K., Chongqing, P.R. China, March 2000
8. Seminar in Radiotherapy, Java, Indonesia (2003)
9. Chairman of the organizing committee and member of the scientific committee of the VI International Conference on Medical Physics "Patras Medical Physics 99". 1-4 September, 1999, Patras, Hellas.
10. Member of the organizing committee of 8 ESTRO Teaching Courses
11. Member of the scientific committee in 2 ESTRO Conferences
12. Member of the General Assembly of the Medical School, University of Thessaly (2002-now)
13. Member of the University General Assembly, University of Thessaly (2003-2004)

Publications

<u>To International Journals:</u>	105
<u>To Peripheral Journals:</u>	5
<u>To National Journals:</u>	2
<u>Books/Book Chapters</u>	9
<u>To International Conferences:</u>	67
<u>To National Conferences:</u>	61
<u>Invited Talks:</u>	56
<u>References:</u>	1170
<u>h-index:</u>	20
<u>h10-index:</u>	43

Participation in National and European Research Projects

<u>European:</u>	9
<u>National:</u>	11