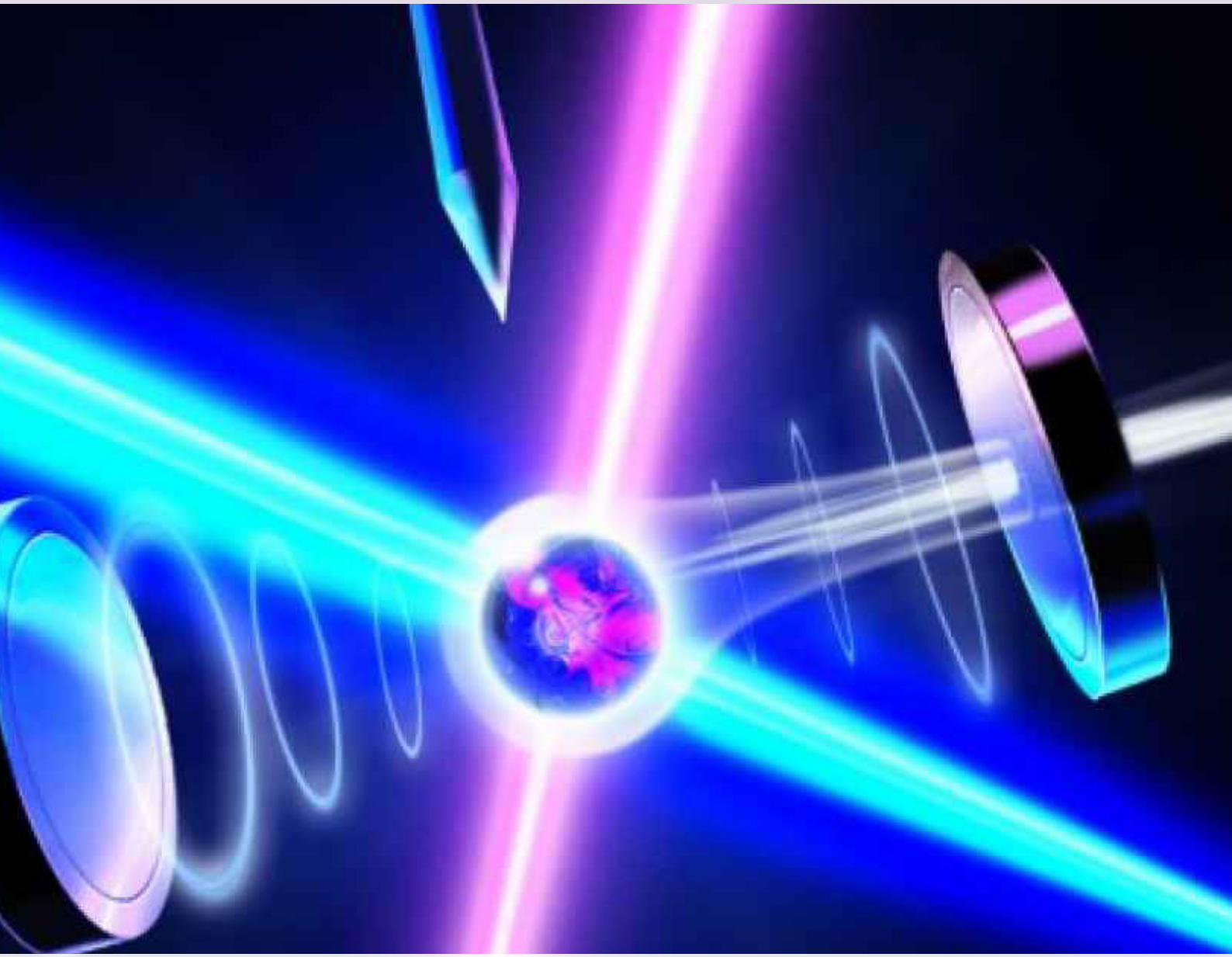
Scientific Program

International Conference on

Medical Physics

August 03-05, 2015 Birmingham, UK



OMICS International Conferences

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Day 1 August 03, 2015

08:30-09:30 Registrations

Hall-4

09:30-09:55 **Opening Ceremony**

Keynote Forum

09:55-10:00	**Introduction**
10:00-10:35	**Gad Shani** Ben Gurion University, Israel
10:35-11:10	**Cecilia Arsene** Alexandru Ioan Cuza" University of Iasi, Romania
	Networking & Refreshment Break 11:10-11:25
11:25-12:00	**Nicolas Pourel** Institut Sainte-Catherine , France
12:00-12:35	**Geoffrey Mitchell** Portugal and the Royal Berkshire NHS Foundation Trust, UK

Track 1:Latest Imaging techniques
Track 2: Clinical Physics and Patient saftey
Track 3:Biophyisics and Modelling

Session Chair: Geoffrey Mitchell, Portugal and the Royal Berkshire NHS Foundation Trust, UK
Session Co-Chair: Gad Shani, Ben Gurion University, Israel

	Session Introduction
12:35-13:05	**Determination of porcine renal injury thresholds for therapeutic ultrasound** **Julianna C Simon,** University of Washington, USA
	Lunch Break 13:05-13:50
14:00-15:00	**Work shop on** **How to deliver a fair and understandable information to the patient concerning its treatment** **Nicolas Pourel,** Institut Sainte-Catherine , France
15:00-15:30	**The establishment of local DRLs for ERCP – A practical tool for the optimization of patient radiation doses and for quality assurance management** **Ekaterina Saukko,** Turku University Hospital, Finland
15:30-16:00	**KARPO – The study of radiation doses in cardiological interventional procedures** **Jukka Järvinen,** Turku University Hospital, Finland
	Networking & Refreshment Break 16:00-16:15
16:15-16:45	**Investigation into the etiology of the color-Doppler ultrasound twinkling artifact for kidney stone detection** **Julianna C Simon,** University of Washington, USA
16:45-17:15	**Clinical application to Arrhythmic dynamic of entropy proportion** **Javier Rodríguez,** Universidad el Bosque, Colombia
17:15-17:45	**Professor Costas Demetzos: His contribution to bridge the gap between the Biophysics and Pharmaceutical Nanotechnology** **Natassa Pippa,** National and Kapodistrian University of Athens, Greece
	Panel Discussion

Day 2 **August 04, 2015**

Hall-4

Keynote Forum

10:00-10:35	**Robert Davidson** University of Canberra, Australia
10:35-11:10	**Sarah S Knox** West Virginia University School of Public Health, USA
	Networking & Refreshment Break 11:10-11:25
11:25-12:00	**William C barber** DxRay Inc, USA

Track 4: Radiation Oncology
Track 5: Neuro Engineering
Track 6: Biomedical Engineering
Track 7: Bio-informatics

Session Introduction

Session Chair: William C Barber, DxRay Inc, USA

Session Co-Chair: Robert Davidson, University of Canberra, Australia

12:00-12:30	**Radiation workers dose analysis in medical practices at hamad medical corporation in Qatar** **Huda. M. Al- Naemi,** Hamad Medical Corporation, Qatar
12:30-13:00	**Integrative analysis of cancer imaging readouts by networks** **Marco Dominietto,** University of Basel, Switzerland
	Lunch Break 13:00-13:50
13:50-14:20	**Pre-therapy initial dosimetry results of Lu-177-PSMA-DOTA-617 in castration resistant prostate cancer** **Mohammad abuqbetiah,** Istanbul University, Turkey
14:20-14:50	**Pharmaceutical Fractal-omics: The application of –omics in design and development o advanced Drug Delivery nano Systems** **Natassa Pippa,** National and Kapodistrian University of Athens, Greece
14:50-15:20	**Knowledge and attitude of Togolese radiographers on medical Irradiation of pregnant Women.** **Adambounou Kokou,** University of Loma, Togo
15:20-15:50	**Mathematics physical assessment of cardiac dynamics based on theory of probability and proportions of entropy in the intensive care unit for patients with arrhythmia** **Javier Rodríguez,** Universidad Militar Nueva Granada, Colombia
15:50-16:20	**Additive manufacturing – Basic research activities in the area of powder and beam based processes** **Maximilian Drexler,** Collaborative Research Centre, Germany.
	Networking & Refreshment Break 16:20-16:35
16:35-17:05	**Polyvinylpyrrolidone phantom at ice-water temperatures as a multiple parameter quantitative MR quality control test object** **Marianthi-Vasiliki Papoutsaki,** Institute of Cancer Research, UK
17:05-17:35	**fMRI: From the clinic to beyond** **Arshad Zaman,** University of Leeds, UK

Panel Discussion

Poster Presentations 16:00-17:35

Day 3 **August 05, 2015**

Hall-4

Track 8: New Technologies In Cancer Treatment
Track 9: Signalprocessing in Biomaterials
Track 10: Surgery Through Image Guided Therapies and their Modellings
Track 11: Biosensor

Session Introduction

Session Chair: Giovanni Borasi, Italian National Research Council, Italy

10:00-10:30	**Combining focused ultrasound and radiotherapy for synergic new treatments in Oncology** **Giovanni Borasi,** Italian National Research Council, Italy
10:30-11:00	**Separation of Cu radioisotopes from a nickel target using cation-exchange chromatography** **Xianfeng Fan,** The University of Edinburgh, UK

Networking & Refreshment Break 11:00-11:15

11:15-11:45	**Simulation of Ultrasoft X-rays induced DNA damage using Geant4** **Amir S. H. Rozatian,** University of Isfahan, Iran
11:45-12:15	**Bone marrow dosimetry and lesion absorbed dose determination in distal metastatic differentiated thyroid cancer** **Mohammad abuqbetiah,** Istanbul University, Turkey
12:15-12:45	**Fractal physiology of tumor angiogenesis** **Marco Dominietto,** University of Basel, Switzerland
12:45-13:15	**Knowledge and perception of Nuclear Medicine by Togolese physicians** **Adambounou Kokou,** University of Loma, Togo

Lunch Break 13:15-14:00

14:00-14:30	**Thyroid Remnants Therapeutic Dose Determination Using a Small Field of View Gammacamera; Pilot Study** **Pavel Solny,** Czech Technical University in Prague, Czech Republic

Award Ceremony

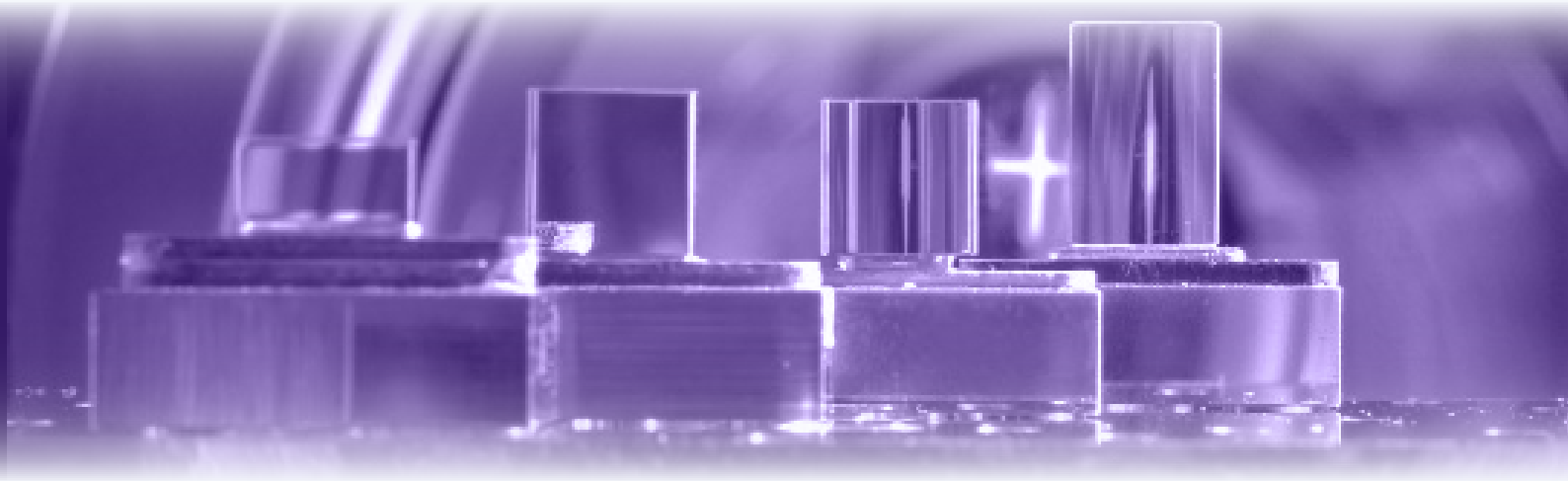
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