

11th ICOAR-14th RAHMS-32nd ICOC **INTERNATIONAL CONFERENCES**

ADVANCES IN MEDICAL SCIENCES **MAIN TOPIC: THE USE OF AI IN PERSONALISED MEDICINE** **FOR THE TREATMENT OF CANCER AND OTHER DISEASES**

CONFERENCE VENUE: “ARTEMIS HALL” ATHENA ROYAL BEACH HOTEL
Paphos, Cyprus, 15-19th October 2026. Further information: (www.rahms-medicine.org)



PROGRAMME



Thursday, 15th October:

18.30 -19.30 Registration (“Artemis Hall”, Lower Ground floor of Athena Royal Beach Hotel)

Friday, 16th October:

10.00 -10.30 Registration and Poster Mounting (“Artemis Hall”, Athena Royal Beach Hotel)

Session 1: The role of artificial intelligence (AI) in personalised medicine and biomedical research

Chairs: Prof Jurišić Vladimir (RS) and Dr Didichenko Victoria (UK)

10.30-11.00 Prof Zacharioudakis Eleftherios

CYBERSECURITY IN BIOMEDICAL RESEARCH: PROTECTING DATA, PRIVACY, AND SCIENTIFIC INTEGRITY

11.00–11.30 Prof Pap Dragana

**CLINICAL SIGNIFICANCE OF GENOMIC PROFILING BREAST CARCINOMA:
DETERMINING AN ADEQUATE THERAPY ALGORITHM**

11.30 -11.50 **TEA BREAK – POSTER AND EXHIBITION VIEWING**

11.50-12.20 Prof Kontoghiorghe GJ

**THE IMPORTANCE OF CONSIDERING THE COMPLEXITIES OF ALL
PHARMACOLOGICAL AND PHARMACOTHERAPEUTIC PARAMETERS IN THE DESIGN
OF PRECISION PERSONALISED MEDICINE**

Session 2: Poster Presentation and Discussion: AI-driven models in medicine and biomedical research

Chairs: Prof Zacharioudakis Eleftherios (CY) and Dr Didichenko Victoria (UK)

12.30-13.20

Zacharioudakis Stelios: **ADVERSARIAL ROBUSTNESS OF AI-DRIVEN DIAGNOSTIC MODELS
IN MEDICINE: DETECTING AND MITIGATING DATA-POISONING ATTACKS ON
CLINICAL DECISION-SUPPORT SYSTEMS**

Andreou Nikoletta: **BEYOND DETECTION: EXPLORING THE INTERSECTION OF
ARTIFICIAL INTELLIGENCE AND CYBERSECURITY IN HEALTHCARE**

Rudenko Evelina: **PRIVACY-PRESERVING FEDERATED LEARNING FOR PRECISION DRUG
TARGETING: CRYPTOGRAPHIC GUARANTEES WITHOUT COMPROMISING
PHARMACOLOGICAL INSIGHT**

Zacharioudakis Stelios: **ZERO-KNOWLEDGE PHARMACOGENOMIC PREDICATE**

VERIFICATION: A zk-SNARK FRAMEWORK FOR PRIVACY-PRESERVING BIOMARKER MATCHING

Gounari Maria: **BEYOND RECOVERY: A CASE STUDY ON THE UNCOMMON PROGRESSION OF MYOCARDITIS TO AN ICD IMPLANTATION.**

13.10 –15.00 **LUNCH BREAK – POSTER AND EXHIBITION VIEWING**

Session 3: New discoveries in the cause and treatment of cancer and other diseases

Chairs: Prof Orsi Nicolas M (UK) and Dr Evripidou Adriani (CY)

15.00 -15.30 Prof Kontoghiorghe G J

THE ESSENTIAL ROLE OF IRON IN CANCER PROLIFERATION AND THE NEED FOR THERAPEUTIC INTERVENTIONS INVOLVING MODULATION OF IRON METABOLISM IN ANTICANCER TREATMENTS

15.30 -16.00 Dr Morrou Maria

THE UNEXPLORED MOLECULAR LANDSCAPE OF PEDIATRIC THYROID CANCER IN CYPRUS

16.00 -16.30 Dr Kolnagou Annita

THE UNIQUE PATHOPHYSIOLOGICAL FEATURES AND DIAGNOSTIC CRITERIA OF THALASSAEMIA: EFFECTIVE THERAPEUTIC INTERVENTIONS IN THE CONTEXT OF PERSONALIZED MEDICINE

16.40 – 17.00 **TEA BREAK – POSTER AND EXHIBITION VIEWING**

Session 4: Recent advances in nutrition: The role of Mediterranean diet, microbiota and psychology

Chairs: Prof Pap Dragana (RS) and Prof Zacharioudakis Eleftherios (CY)

17.00 -17.30 Dr Efstathiou Litsa

MEDITERRANEAN DIET AND CANCER

17.30 –18.00 Iacovou Margarita

KEFIR GRAIN MICROBIOTA: CHARACTERIZATION, BIOACTIVITY AND FUNCTIONAL INTERACTIONS WITH THE HUMAN GUT MICROBIOME

18.00 - 18.30 Dr Efstathiou Litsa

FOOD PSYCHOLOGY AND CULTURE

Saturday, 17th October:

Session 5: Advances on the role of AI and other diagnostic tools in cancer and other diseases

Chairs: Prof Stylianou Andreas (CY) and Dr Demetriou Theodora (CY)

10.30-11.00 Prof Jurišić Vladimir

SIGNIFICANCE OF IMMUNOPHENOTYPING OF PERIPHERAL BLOOD CELLS BY MULTICOLOR FLOW CYTOMETER IN CLINICAL WORK

11.00–11.30 Rogerson Grace

BYTE-SIZED BIOPSIES: AN INTRODUCTION TO DIGITAL PATHOLOGY

11.30 -12.00 Prof Orsi Nicolas

FROM PIXELS TO PATIENTS: A TRANSLATIONAL JOURNEY FROM LABORATORY INNOVATION TO CLINICAL EVALUATION

12.00-12.20 **TEA BREAK – POSTER AND EXHIBITION VIEWING**

12.20–13.20 OPENING CEREMONY AND EXHIBITION / FILM PRESENTATION ON THE GHOST TOWN OF FAMAGUSTA - UNDER TURKISH ARMY OCCUPATION FOR 52 YEARS

13.20 –15.00 **LUNCH BREAK – POSTER AND EXHIBITION VIEWING**

Session 6: Gynaecological fertility: Complications and targeting endometrial microbiome and exosomes

Chairs: Prof Pap Dragana (SR) and Dr Constantinou Philippos (CY).

15.00 -15.30 Dr Evripidou Andri - Evidence for uterine fibroids in pregnancy and clinical management
UTERINE FIBROIDS IN PREGNANCY: CONTEMPORARY EVIDENCE AND CLINICAL MANAGEMENT

15.30 -16.00 Dr Chrysostomou Spyridakis

ENDOMETRIAL MICROBIOME (EBIOM) TESTING IN INFERTILITY AND RECURRENT MISCARRIAGE: CURRENT EVIDENCE, CLINICAL APPLICATION AND GUIDELINE PERSPECTIVES

16.00 -16.30 Dr Chrysostomou Michalis

EXOSOMES IN GYNECOLOGY: CURRENT EVIDENCE, CLINICAL APPLICATIONS AND FUTURE DIRECTIONS

16.40 - 17.00 **TEA BREAK – POSTER AND EXHIBITION VIEWING**

Session 7: New advances in the diagnosis and treatment of cancer and other diseases

Chairs: Prof Kourti Malamati (CY) and Dr Chrysostomou Michalis (CY)

17.00 -17.30 Prof Stylianos Andreas

PRELIMINARY INSIGHTS INTO THE ROLE OF TUMOR MICROENVIRONMENT NORMALIZATION IN PHOTODYNAMIC THERAPY EFFICACY

17.30 -18.00 Prof Pap Dragana

EVIDENCE BASED MEDICINE IN MALIGNANT TUMOURS: GUIDELINES AND INDICATIONS FOR TUMOUR MARKERS

18.00 -18.30 Dr Evripidou Iliada

VACCINATION IN CHILDREN: A SHIELD FOR LIFE — MYTHS AND FACTS

Session 8: Poster Presentation and Discussion: Advances in health and medical sciences

Chairs: Dr Evripidou Iliada (CY) and Dr Morrou Maria (CY)

18.30-19.00

Dr Michael Panagiota- **GRAPHENE-BASED MATERIALS AS EMERGING ANTIFUNGAL PLATFORMS: A STRUCTURED REVIEW OF RECENT ADVANCES**

Zacharioudaki Evangelia- **METHICILLIN-RESISTANT STAPHYLOCOCCUS**

AUREUS PRESENTING AS A PELVIC MASS FOLLOWING PENETRATING TRAUMA IN A CHILD

Karkaletsou Ismini - **SYNTHESIS AND ANTICANCER EVALUATION OF NOVEL 1,2,6-THIADIAZINONE DERIVATIVES IN MCF-7 BREAST CANCER CELLS**

19.00 **WELCOME COCKTAIL RECEPTION**

Sunday, 18th October:

Session 9: Recent advances in the detection and treatment of cancer

Chairs: Prof Stylianos Andreas (CY) and Evripidou Adriani (CY)

10.30 -11.00 Prof Jurišić Vladimir

CELLULAR IMMUNITY TESTING WITH AND WITHOUT THE USE OF RADIOACTIVE NUCLIDES IN ONCOLOGY

11.00 -11.30 Dr Demetriou Theodora

ADVANCES IN DIAGNOSIS AND MANAGEMENT OF OESOPHAGEAL CANCER

11.30 -12.00 Dr Constantinou Philippos

CERVICAL CANCER: FROM HUMAN PAPILLOMAVIRUS CARCINOGENESIS TO CLINICAL PRACTICE AND CANCER ELIMINATION

12.10 -12.30 **TEA BREAK– POSTER AND EXHIBITION VIEWING**

12.30 -13.00 Dr Kosti Nicodemos

LYNCH SYNDROME: A MULTIDISCIPLINARY APPROACH TO EARLY DIAGNOSIS, CANCER PREVENTION AND PRECISION MEDICINE

13.10- 15.00 **LUNCH BREAK– POSTER AND EXHIBITION VIEWING**

Session 10: New advances and approaches in the pharmaceutical and health care systems

Chairs: Prof Jurišić Vladimir (RS) and Dr Evripidou Iliada (CY)

15.00 -15.30 Prof Kourti Malamati

ADVANCING PHARMACEUTICAL CARE: REAL-WORLD APPROACHES TO MEDICATION OPTIMIZATION AND PERSONALIZED PHARMACOTHERAPY

15.30 -16.00 Pavlara Marialena

MEDICATION COMPATIBILITY DURING BREASTFEEDING: CHALLENGES, CURRENT CLINICAL GUIDELINES, AND AN EVIDENCE-BASED APPROACH FOR HEALTHCARE PROFESSIONALS

16.00 -16.20 Prof Kontoghiorghes GJ

THE NOVEL CHEMICAL REACTION THAT CHANGED THE TREATMENT OF IRON OVERLOAD AND SAVED THE LIVES OF THOUSANDS OF THALASSAEMIA AND OTHER CATEGORIES OF PATIENTS WORLDWIDE

16.20 -16.40 **TEA BREAK– POSTER AND EXHIBITION VIEWING**

Session 11: Zooming in on the future - from microscopy to telepathology

Chairs: Prof Kourti Malamati (CY) and Prof Orsi Nicolas M (UK)

16.40 -17.10 Prof Jurišić Vladimir

ANALYSES OF CYTOKINES IN PATIENTS WITH MULTIPLE MYELOMA

17.10 -17.35 McIver Rosie

NO PAIN, NO STAIN: AI FOR MOLECULAR SUBTYPING IN BREAST CANCER

17.35 -18.00 Dr Didichenko E. Victoria

SLIDE AND SEEK: A REVOLUTION IN TRACKING

18.00 -18.25 Prof Zacharioudakis Elefthrios

UNDERSTANDING MEDICAL ARTIFICIAL INTELLIGENCE: OPPORTUNITIES, LIMITATIONS, AND RISKS FOR CLINICIANS

Session 12: 18.25 – 18.55 Round Table Discussion: The Future of Digital Pathology and Medicine

Profs Orsi N, Jurisic V, Pam D, Kourti M, Zacharioudakis E, Dr Didichenko V, McIver R, Rogerson G

Monday, 19th October:

10.30 General meeting, research collaborations and next year's conference

Chair: Prof Kontoghiorghes G J 11.00- **TEA BRAKE** 12.00- **CLOSING**

***GENERAL INFORMATION** (P Karafyllides tel 99655867 or G J Kontoghiorghes tel 26272076).

CONFERENCE VENUE: “ARTEMIS HALL“ ATHENA ROYAL BEACH HOTEL

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***THE CONFERENCE LANGUAGE IS ENGLISH**

***QUESTIONS AND ANSWERS IN GREEK LANGUAGE ARE ALLOWED AT THE ROUND TABLE DISCUSSIONS, WHICH ARE AT THE END OF EACH SESSION.**