5th ESPT CONGRESS

PRECISION MEDICINE AND PERSONALISED HEALTH

SEVILLE, SPAIN

2019 October 16-18

European Society for Pharmacogenomics and Personalised Therapy

In collaboration with the Spanish Society of Pharmacogenetics and Pharmacogenomics (SEFF)

www.2019esptcongress.eu

UNDER THE AUSPICES OF:

EUROPEAN FEDERATION OF CLINICAL CHEMISTRY
AND LABORATORY MEDICINE

International Federation
of Clinical Chemistry
and Laboratory Medicine

SOCIETÀ ITALIANA DI FARMACOLOGIA

WELCOME

Dear participant,

we are very pleased to welcome you here at the 5th International Congress of the European Society for Pharmacogenomics and Personalised Therapy (ESPT 2019) in Seville, Spain.

A meeting bringing together leading international scientists and healthcare professionals who are actively working in the fields of Pharmacogenomics and Personalised Therapy. After successful events in the previous years (Catania 2017, Budapest 2015, Lisbon 2013, Bled 2011), we are very happy to have our 2019 meeting here in Spain, on this occasion in collaboration with the Spanish Society for Pharmacogenetics and Pharmacogenomics (SEFF). As ESPT, we are very grateful for this hospitality!

The theme of the ESPT 2019 congress is Precision Medicine and Personalised Health, and the program we have put together is, to our hoping, interesting and challenging for you. It is addressing the latest developments in the field of pharmacogenetics/pharmacogenomics, including liquid biopsy/cell free DNA as an fast upcoming approach to guide drug therapy. We are proud to include in our congress keynote speakers such as Prof. Dr. Sir Munir Pirmohamed, Prof. Dr. Ingolf Cascorbi, Dr. Lili Milani, Prof. Dr. Wolfgang Sadee, Prof. Dr. Daniel Mueller, Prof. Dr. Mike Caulfield, Prof. Dr. Klaus Pantel and many other excellent speakers. In addition, we have 100 posters with the latest results of ongoing research from mostly ambitious young scientists! Please take the opportunity to interact and discuss these latest findings with the poster presenters during the breaks. On Friday, the poster committee will hand out the award for the best poster contribution.

A special word of welcome and thanks to our sponsors, who have enabled us to have this meeting here. I am confident that you as a participant will enjoy the opportunity to interact with them, to obtain the latest information on technical as well as software developments.

As ESPT and SEFF Board, we hope that you will enjoy your stay in Seville. Enjoy your congress!

Kindest regards,

Prof. Dr. Miquel Taron – President SEFF
Dr. Cristina Rodríguez-Antona – Secretary SEFF
Prof. Dr. Adrián Llerena – Vicepresident SEFF, Board ESPT
Prof. Dr. Ron van Schaik – President ESPT

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SPEAKERS

Alonso Sanchez Angel, Biomedical Research Center of Navarre, Pamplona, Spain
Ansari Marc, University of Geneva, Switzerland
Beato Carmen, Hospital NISA Aljarafe, Sevilla, Spain
Brunet Mercè, Hospital Clínic of Barcelona, Spain
Carracedo Alvarez Angel Maria, University of Santiago de Compostela, Spain
Cascorbi Ingolf, University of Kiel, Germany
Caulfield Mark, William Harvey Heart Centre, University of London, UK
Daly Ann K., Newcastle University, UK
Danesi Romano, University of Pisa, Italy
del Re Marzia, University Hospital of Pisa, Italy
Dopazo Joaquin, Clinical Bioinformatics Area, FPS, Hospital Virgen del Rocio, Seville, Spain
Gurwitz David, Tel Aviv University, Israel
Henricks Linda M., Leiden University Medical Centre, The Netherlands
Hachad Houda, Translational Software, Bellevue, WA, United States
Huezo-Diaz Patricia, University of Geneva, Switzerland
Ingelman-Sundberg Magnus, Karolinska Institutet, Stockholm, Sweden
Kasper Dagmar, Agena Bioscience, Hamburg, Germany
Lamy Pierre-Jean, Imagenome, Montepellier, France
Lianidou Evi, University of Athens, Greece
Llerena Adrián, University of Extremadura, Badajoz, Spain
Lloberas Nuria, Bellvitge Biomedical Research Institute of Barcelona, Spain
Manolopoulos Vangelis, University of Thrace, Alexandropoulis, Greece
Milani Lili, University of Tartu, Estonia
Mueller Daniel, Centre for Addiction and Mental Health of Toronto, Canada
Niemi Mikko, University of Helsinki, Finland
Nofziger Charity, PharmGenetix Gmbh, Salzburg, Austria
Oellerich Michael, University of Göttingen, Germany
Oram Richard, Institute of Biomedical & Clinical Science, University of Exeter Medical School, UK
Pantel Klaus, University Medical Center Hamburg-Eppendorf, Germany
Patrinos George, University of Patras, Greece
Paulmichl Markus, Humanomed Center Althofen, Austria
Pearson Ewan, University of Dundee, Scotland, UK
Pirmohamed Munir, University of Liverpool, UK
Rodríguez-Antona Cristina, National Centre for Oncological Research, Madrid Spain
Sabater Ana, Eugenomic, Barcelona, Spain
Sadee Wolfgang, The Ohio State University, Columbus, USA
Schwab Matthias, Institute of Clinical Pharmacology Stuttgart, Germany
Serrano María Jose, University of Granada-Junta de Andalucía Centre for Genomics and Oncological Research, Granada, Spain
Shaman Jeff, Coriell Life Sciences, Philadelphia, USA
Simmaco Maurizio, University La Sapienza, Rome, Italy
Sipeky Csilla, University of Turku, Finland
Suarez-Kurtz Guilherme, Brazilian National Cancer Institute, Brazil
Taron Miquel, Synlab, Madrid, Spain
van Schaik Ron, Erasmus MC, Rotterdam, The Netherlands
Vanoni Simone, Anif/Niederalm, Austria

SCIENTIFIC PROGRAMME

WEDNESDAY 16th October

08:30 Registration
09:30 Opening: *Ron van Schaik* (ESPT President) - *Miquel Taron* (SEFF President)

SESSION 1 - PHARMACOGENETICS OVERVIEW
Chairs: Ron van Schaik, Miquel Taron
09:45 Key note lecture - Pharmacogenetics of cutaneous adverse drug reactions - *Sir Munir Pirmohamed*
10:15 Key note lecture - Pharmacogenetics of drug induced liver injury - *Ann Daly*
10:45 Key note lecture - An initiative for early drug discovery with a pharmacogenomic perspective from Galicia - *Angel Carracedo*

11:15 Coffee Break

SESSION 2 - PSYCHIATRY
Chairs : Adrian Llerena, David Gurwitz
11:45 Towards the implementation of pharmacogenomics in psychiatry - *Daniel Mueller*
12:10 Genomic biomarkers for the efficacy of oxytocin in autism spectrum disorder - *David Gurwitz*
12:35 New Pharmacogenetics software gNomic and drug interactions - *Ana Sabater*

13:00 Lunch Break and Poster Visits

SESSION 3 - CYP2D6 GENOTYPING
Chairs: Magnus Ingelman-Sundberg, Urs Meyer
14:30 Unraveling CYP2D6 genotyping: the optimal strategy - *Charity Nofziger*
14:55 Functional characterization of known and unknown CYP2D6 variants using a cell-based in vitro system - *Simone Vanoni*

15:35 INDUSTRY SPONSORED SESSION AGENA BioSciences
Aspects of Molecular Analysis with Liquid Biopsy - *Dagmar Kasper*
Liquid biopsy to personalize lung cancer treatment: overcoming the challenges
Pierre-Jean Lamy

16:15 Coffee Break

SESSION 4 - ONCOLOGY
Chairs: Cristina Rodriguez-Antona, Csilla Sipeky
16:45 Personalizing taxane treatment: from genetic variants to concomitant medication
Cristina Rodriguez-Antona
17:10 Update on *DPYD* testing for safer fluoropyrimidine therapy - *Linda Henricks*

17:35 PGx and tamoxifen breast cancer: an update - *Matthias Schwab*

18:00 What is the Foundation Medicine contribution in Precision Medicine? - *Carmen Beato*

18:30 OPENING RECEPTION

THURSDAY **17th October**

SESSION 5 - LIQUID BIOPSY & CANCER

Chairs: Romano Danesi, Janja Marc

08:30 Key note lecture - Liquid biopsy: a new diagnostic concept in oncology - *Klaus Pantel*
09:05 EGFR and lung cancer - *Romano Danesi*
09:30 Circulating predictive biomarker of response to immunotherapy - *Marzia del Re*
09:55 Molecular characterization of Circulating Tumor Cells: an update on technologies and clinical potential - *Evi Lianidou*

10:20 Coffee Break

SESSION 6 - LIQUID BIOPSY & TRANSPLANTATION

Chairs: Mercè Brunet, Maurizio Simmaco

10:50 Graft-derived cell-free DNA as a marker for detection of rejection and graft injury after solid organ transplantation - *Michael Oellerich*
11:15 Pharmacogenetics for guiding solid organ transplantation therapy: the BAROTAC study *Nuria Lloberas*
11:40 Using Therapeutic Drug Monitoring in optimizing tacrolimus-personalized therapy and patient care in solid organ transplantation: the IATDMCT Consensus Report - *Mercè Brunet*

12:05 INDUSTRY SPONSORED SESSION Thermo Fisher
Outcomes from large population PGx testing - *Jeff Shaman*

12:50 Lunch Break and Poster Visits

SESSION 7 - BIOBANK INITIATIVES, REGULATORY ASPECTS

Chairs: Vangelis Manolopoulos, Luis Lopez

14:00 The UK 100,000 Genomes Project: transforming health initiative - *Sir Mark Caulfield*
14:30 Personalised Medicine based on common and rare genetic variants in Estonia - *Lili Milani*
14:55 Regulatory aspects regarding implementation of PGx: SmPC information and EMA considerations - *Markus Paulmichl*

15:20 Personalised medicine of prostate cancer: impact of genomic biomarkers - *Csilla Sipeky*

15:45 Coffee Break

SESSION 8 - PGx GENES

Chairs: Ingolf Cascorbi, Anna Gonzalez-Neira

16:15 CYP3A genotyping - worth to consider it clinically? - *Ingolf Cascorbi*

16:40 The role of rare genetic variants for interindividual differences in drug metabolism, toxicity and response - *Magnus Ingelman-Sundberg*

17:05 Interindividual variability of CYP2D6, CYP3A4 and CYP7A1: underlying causes and clinical implications - *Wolfgang Sadee*

17:30 Implementing clinical pharmacogenetic programs: perspectives from a service provider *Houda Hachad*

18:00 ESPT GENERAL ASSEMBLY until 19:30

19:00 SEFF GENERAL ASSEMBLY

20:00 SEFF 1ST Pharmacogenetic Profficiency Testing Accreditations

21:00 CONGRESS DINNER

FRIDAY 18th October

SESSION 9 - PGx AND PERSONALIZED MEDICINE CLINICAL IMPLEMENTATION INITIATIVES IN SPAIN

Chairs: Maria Jesus Arranz, Salvador Aliño

09:00 MedeA: A global Implementation initiative of Personalized Medicine in a Public Health Care Service based on e-health - *Adrián Llerena*

09:25 Bioinformatics and the Andalusian initiative for personalized medicine - *Joaquin Dopazo*

09:50 Innovative purchase in Andalusia for liquid biopsy - *Maria Jose Serrano*

10:15 NAGEN: Proyecto Genoma 1000 Navarra - *Angel Alonso Sànchez*

10:40 Coffee Break

SESSION 10 - ESPT RESEARCH GROUPS

Chairs: Marc Ansari, Sofia Siest

11:10 PGx and drug transporters - *Mikko Niemi*

11:35 What is the impact of pharmacogenomic to predict Sinusoidal obstructive syndrome in pediatric Stem cell transplantation - *Marc Ansari, Patricia Huezo-Diaz*

12:00 PGx in diabetes care - *Ewan Pearson*

12:25 Pharmacogenetics and personalised medicine in anticoagulation: latest developments - *Vangelis Manolopoulos*

12:45 Lunch Break and POSTER AWARDS

SESSION 11 - FUTURE PERSPECTIVES

Chairs: Sanja Stankovic, Francisco Abad

14:00 Prediction and classification of type 1 diabets using genetic risk scores - *Richard Oram*

14:25 Implementation of Pharmacogenomics in Europe: The U-PGx project - *George Patrinos*

14:50 Pharmacogenomic Implications of Population Admixture in Latin America *Guilherme Suarez-Kurtz*

15:15 The microbiome and response to drugs - *Maurizio Simmaco*

15:40 Discussion and final remarks - *Miquel Taron, Ron van Schaik*

16:00 END - Farewell Drinks

CLOSED MEETINGS

WEDNESDAY 16th OCTOBER

13:30 ESPT Board Meeting
Alanda Room - until 15:30

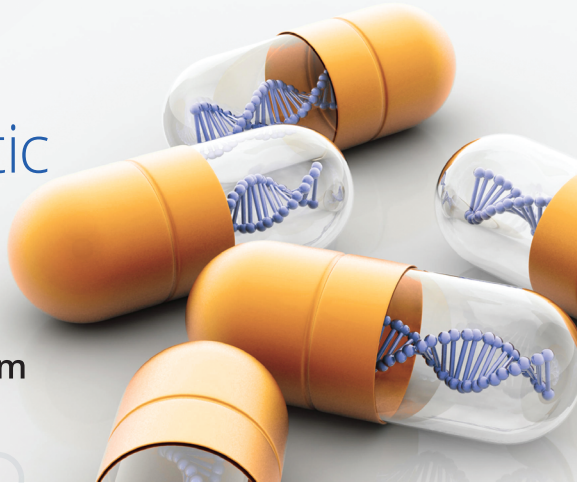
THURSDAY 17th OCTOBER

11:00 ESPT National Societies Meeting
Alanda Room - until 12:00

FRIDAY 18th OCTOBER

09:00 ESPT Corporate Members Meeting
Alanda Room - until 10:00

Scalable Pharmacogenetic Testing



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POSTERS

CARDIOLOGY

001

COMPREHENSIVE ANALYSIS IDENTIFIES UGT1A3 VARIANTS AS MAJOR DETERMINANTS OF TELMISARTAN PHARMACOKINETICS

Hirvensalo Päivi, Tornio Aleksi, Neuvonen Mikko, Tapaninen Tuija, Paile-Hyvärinen Maria, Backman Janne, Niemi Mikko

002

EFFECT OF GENE-DRUG INTERACTIONS LINKED TO CLOPIDOGREL AND CILOSTAZOL ON PLATELET REACTIVITY AMONG PATIENTS WITH PERIPHERAL ARTERY DISEASE

Duconge Jorge, Hernandez-Suarez Dagmar F. , Nunez Hector, Melin Kyle

003

MACHINE LEARNING ALGORITHM FOR PREDICTING WARFARIN DOSES IN CARIBBEAN HISPANICS USING PHARMACOGENETIC DATA

Roche-Lima Abiel, Feliu-Maldonado Roberto, Roman-Santiago Adalis, Rodríguez-Maldonado Jovaniel , Nieves Brenda, Carrasquillo Kelvin, Duconge Jorge

004

NOVEL MICRORNAS ASSOCIATED WITH ADVANCED HUMAN ATHEROSCLEROTIC LESIONS - POTENTIAL BIOMARKERS AND THERAPEUTIC TARGETS

Manea Simona-Adriana, Vlad Mihaela-Loredana , Lazar Alexandra-Gela , Cosac Monica-Teodora , Muresian Horia, Simionescu Maya, Manea Adrian

005

THE ROLE OF PHARMACOGENETICS IN PRECISION MEDICINE: REINTRODUCTION OF ANTICOAGULANT THERAPY FOLLOWING INTRACRANIAL HEMORRHAGE

Šimičević Livija, Vrkic Kirhmajer Majda , Cohen Herak Desiree, Ganoci Lana, Bozina Tamara, Bozina Nada

CLINICAL IMPLEMENTATION INITIATIVES

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FREQUENCIES OF PHARMACOGENETIC VARIANTS AND PREVALENCE OF PHARMACOGENETICALLY RELEVANT MEDICATIONS IN FINNISH UNIVERSITY HOSPITAL PATIENTS

Litonius Kaisa, Kristiansson Kati, Tarkiainen Katriina, Ukkola-Vuoti Liisa, Orpana Arto, Lindstedt Mats, Nyrönen Tommi, Perola Markus, Niemi Mikko

007

PILOT STUDY TO EVALUATE THE CLINICAL IMPLEMENTATION OF PHARMACOGENETIC ANALYSIS IN ORGAN TRANSPLANTATION

Herrero María José, Sendra Luis , Olivera Gladys, Cervera José Vicente, Montoro Juan, Piñana José Luis, Sanz Jaime, Montalvá Eva, López-Andújar Rafael, Sales Gabriel, Almenar Luis, Hernandez Julio, Aliño Salvador Francisco

008

THE DUTCH EVIDENCE-BASED PHARMACOGENETIC GUIDELINES: CURRENT STATUS AND IMPLEMENTATION

Nijenhuis Marga, Crommentuijn-van Rhenen Mandy H., de Boer-Veger Nienke J., Buunk Anne Marie, Houwink Elisa J.F., Mulder Hans, Rongen Gerard A., van Schaik Ron H.N., Guchelaar Henk-Jan, Swen Jesse J., van der Weide Jan, Wilffert Bob, Deneer Vera H.M.

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THE EFFICIENCY OF PPI USE IN TURKISH PATIENTS: CYP2C19 PHARMACOGENETIC TESTING

Susleyici Belgin, Cevik Mehtap, Karaalp Atila, Yurdakul Selen, Canbolat Ismail Polat, Gunduz Hakan, Ceyhan Berrin, Yazici Gonca, Cagatay Penbe, Ciftci Cavlan

010

THE INTERRELATIONSHIP BETWEEN KLOTHO GENE POLYMORPHISM G-395A AND LEFT VENTRICULAR HYPERTROPHY IN HEMODIALYSIS PATIENTS

Cvetkovic Tatjana, Apostolovic Branislav, Stefanovic Nikola, Pavlovic Dusica, Cvetkovic Mina, Petkovic Igor, Pavlovic Dimitrije, Mitic Branka

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INVESTIGATION OF THE EFFECT OF HUMAN GENETIC VARIATIONS ON THE OUTCOME(TDM) OF VORICONAZOLE TREATMENT IN PEDIATRIC CANCER PATIENTS

Saeed Dina, Shalaby Lobna, Nagy Mohamed, ElZeiny Ahmed, Mostafa Tarek M., ElRakaiby Marwa T., Nooh Mohammed M., El-Haddad Alaa, Abbassi Maggie, Aziz Ramy K.

CYP2D6 GENOTYPING EXPERT ANALYSES

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CYP2D6 GENOTYPE-PHENOTYPE ANALYSIS BASED ON POPULATION PHARMACOKINETIC MODELLING OF VORTIOXETINE

Frederiksen Trine, Areberg Johan, Ellen Schmidt, Bjerregaard Stage Tore, Brøsen Kim

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CYTOCHROME P450 2D6 *3, *4, *6 AND *41 ALLELE SPECIFIC COPY NUMBER DETERMINATION IN CYP2D6XN SAMPLES USING DDPCR

de Jonge Evert, Matic Maja, van Schaik Ron

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THE ROLE OF RISKY POLYMORPHIC VARIANTS OF CYP2D6 GENE IN THE EFFICACY OF VALPROIC ACID THERAPY IN PATIENTS WITH EPILEPSY

Zobova Svetlana, Dmitrenko Diana, Shnayder Natalia, Prusova Tatiana, Yakovleva Kristina, Pravdin Denis, Yakimova Yana

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DO CYP3A4*20 AND CYP3A4*22 ALLELES AFFECT THE PHARMACOKINETIC PARAMETERS OF CYP3A4 SUBSTRATES?

Saiz-Rodríguez Miriam, Ochoa Dolores, Belmonte Carmen, Román Manuel, Zubiaur Pablo, Santos María, Rodríguez-Antona Cristina, Abad-Santos Francisco

016

IMPLEMENTATION OF CLINICAL DECISION SUPPORT SYSTEM FOR DOSING IN PSYCHOPHARMACOTHERAPY IN PATIENTS WITH AFFECTIVE DISORDERS BASED ON THE PHARMACOGENOMIC MARKERS

Mikhail Zastrozhin, Valentin Skryabin, Evgeny Bryun, Alexander Sorokin, Dmitry Sychev

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LEVERAGING GLOBAL TECH TO PUT IOT TO WORK FOR CARE TEAMS

Lunzenfichter Gilles

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IBERIAN DATABASE BUILDING OF PHARMACOGENETIC INDICATORS, ACCORDING TO THE INFORMATION PRESENT IN THE SUMMARY OF DRUG CHARACTERISTICS AVAILABLE IN PORTUGAL AND SPAIN

Advinha Ana Margarida, Cachão Rita de Oliveir, Alípio Carolina, Correia Catarina, Martins-Vaz Rita, André Francisco, Gonçalves Rui, De Andrés Fernando, Llerena-Ruiz Ádrian, Lopes Manuel José

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EVALUATION OF NOVEL ADIPOKINES (OMENTIN-1, APELIN AND CHEMERIN) AS POTENTIAL BIOMARKERS OF PRESENCE AND SEVERITY OF DIABETIC RETINOPATHY IN TYPE 2 DIABETES MELLITUS PATIENTS

Yasir Md, Senthilkumar Gp

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EVALUATION OF THE SUITABILITY OF NINETEEN PHARMACOGENOMICS BIOMARKERS FOR INDIDIVUALIZED METFORMIN THERAPY FOR TYPE 2 DIABETES PATIENTS

Xhakaza L, Masilela C, Pearce B, October Z, Johnson R, Adeniyi OV, Ongole JJ, Benjeddou Mongi

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FREQUENCY OF CYP2C9 (*2, *3 AND IVS8-109A>T) ALLELIC VARIANTS AND THEIR CLINICAL IMPLICATIONS AMONG MEXICAN PATIENTS WITH DIABETES MELLITUS TYPE 2 UNDERGOING TREATMENT WITH GLIBENCLAMIDE AND METFORMIN

Cuautle Rodríguez Patricia, Rodríguez Rivera Nidia, De Andrés Fernando, Castillo Nájera Fernando, LLerena Adrián, Molina Guarneros Juan Arcadio

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STUDY OF THE GENETIC POLYMORPHISM OF THE SLC22A1, SLC22A2 AND SLC22A3 GENES AMONG ECUADORIAN DIABETES MELLITUS TYPE 2 PATIENTS

Terán Enrique, Dorado Pedro, De Andrés Fernando, Bonilla Mauro, Tana Leandro, Mora Lorena, Estévez María, LLerena Adrián

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TAILORING TYPE II DIABETES TREATMENT: 5-HTTLPR AND VNTR STIN2 POLYMORPHISM AND METFORMIN EFFICACY

Ochi Taichi, Denig Petra, Heerspink Hiddo, Hak Eelko, Wilffert Bob

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EFFECTS OF ABCB1 GENETICS VARIANT ON TACROLIMUS PHARMACOKINETICS IN ALGERIAN ADULT KIDNEY TRANSPLANT PATIENTS

Boughrara Wefa, Boudia Fatma, Aberkane Meriem, Moghtit Fatima Zohra, Toumi Houari

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COPY NUMBER VARIATION ASSOCIATED WITH ANTI-TNF RESPONSE AND THE APPEARANCE OF PARADOXICAL PSORIASIFORM REACTIONS IN PATIENTS WITH MODERATE-TO-SEVERE PSORIASIS

Ovejero-Benito María Carmen, Sanz-García Ancor, Hevia Laura, Reolid Alejandra, Muñoz-Aceituno Ester, Llamas-Velasco Mar, Navarro Raquel, Abad-Santos Francisco, Daudén Esteban

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Osipova Darya, Mirzaev Karin, Sychev Dmitry

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Svedberg Anna, Vikingsson Svante, Vikström Anders, Hornstra Niels, Kentson Magnus , Brandén Eva, Koyi Hirsh, Bergman Bengt , Green Henrik

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Björn Niclas, Sigurgeirsson Benjamín , Svedberg Anna, Pradhananga Sailendra, Brandén Eva, Koyi Hirsh, Lewensohn Rolf, De Petris Luigi, Apellániz-Ruiz Maria, Rodríguez-Antona Cristina, Lundeberg Joakim , Gréen Henrik

ONCOLOGY

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GENOTYPING OF THE DPYD GENE. INITIATIVE TURNED INTO REALITY

Comes Raga Ana, Guzmán Luján Carola, Guallart Noguera Cristina, Ferriz Vivancos Jorge, Ávila Andrade Claudio, Camps Herrero Carlos, Guaita Martínez Marcos, Marcaida Benito Goitzane, Ferrer Bolufer Irene

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A RARE DPYD VARIANT (C.257C>T) ALTERS ENZYME ACTIVITY AND IS ASSOCIATED WITH SEVERE CAPECITABINE TOXICITY

García-González Xandra, Abarca Judith, Kaczmarcyk Bartosz, Salvador-Martin Sara, García-Alfonso Pilar, Revuelta-Herrero Jose Luis, Marzal-Alfaro Belén, Sanjurjo-Sáez María, López-Fernández Luis Andrés

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Santos María, Lanillos Javier, Roldán-Romero Juan María, Calsina Bruna, Pulgarín Marta, Martínez Ángel, Letón Rocío, Montero-Conde Cristina, Cascón Alberto, Robledo Mercedes, Beuselinck Benoit, Rodríguez-Antona Cristina, García-Donas Jesús

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ASSOCIATION OF RISKY POLYMORPHIC VARIANTS OF OPRM1 GENE WITH THE EFFECTIVENESS OF PAIN THERAPY IN PATIENTS WITH PANCREATIC MALIGNANT NEOPLASMS

Bobrova Olga, Dmitrenko Diana, Zobova Svetlana, Yakimova Yana, Shnayder Natalia

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BENEFITS OF NEXT GENERATION SEQUENCING IN THE SCREENING OF DPD DEFICIENCY

Larrue Romain, Hennart Benjamin, Broly Franck

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GERMLINE BIOMARKERS GUIDING DOCETAXEL TREATMENT OF PROSTATE CANCER

Varnai Reka, Koskinen Leena M, Mäntylä Laura E , Szabo Istvan, FitzGerald Liesel M, Sipeky Csilla

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HLA-G & CADHERIN PROFILE EXPRESSION, AND ITS PROGNOSTIC VALUE IN RENAL CELL CARCINOMA.

Concha Mayayo Julia, Garcia Garcia Cristina Belen, Sánchez Zalabardo Jose Manuel, López de Val Alejandro, Ribate Molina Maria Pilar, Gomez Barrera Manuel, Saez Gutierrez Berta

038

OUTCOME DEFINITION INFLUENCES THE RELATIONSHIP BETWEEN GENETIC POLYMORPHISMS OF ERCC1, ERCC2, SLC22A2 AND CISPLATIN NEPHROTOXICITY IN ADULT TESTICULAR CANCER PATIENTS

Zazuli Zulfan, Otten Leila S., Drögemöller Britt I., Medeiros Mara, Wright Galen E.B., Vijverberg Susanne J.H., Masereeuw Rosalinde, Roos Colin J.D., Liu Geoffrey, Carleton Bruce C., Maitland-van der Zee Anke H.

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PTEN EXPRESSION AND MUTATIONS IN TSC1, TSC2 AND MTOR ARE ASSOCIATED WITH RESPONSE TO RAPALOGS IN PATIENTS WITH RENAL CELL CARCINOMA.

Roldán Romero Juan María, Beuselinck Benoit, Santos María, Rodriguez-Moreno Juan Francisco, Lanillos Javier, Calsina Bruna, Gutierrez Ana, Tang Karin, Lainez Nuria, Puente Javier, Castellano Daniel, Climent Miguel A, Esteban Emilio, Arranz Jose A, Marteen Albersen, Ouda

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THE SINGLE NUCLEOTIDE POLYMORPHISM RS7121 IN THE GENE GNAS AS A BIOMARKER FOR TUMOR PROGRESSION AND POOR SURVIVAL IN CANCER PATIENTS

Möhlendick Birte, Ting Saskia, Schmid Kurt Werner, Siffert Winfried

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WHAT TO GENOTYPE TO PREDICT FLUOROPYRIMIDINES TOXICITY - POSSIBLE ROLE OF DPYD 496A>G VARIANT

Ganoci Lana, Simicevic Livija, Bilic Ivan, Bozina Tamara, Bozina Nada

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THE ASSOCIATION OF SINGLE-NUCLEOTIDE POLYMORPHISMS WITH EFFICACY AND TOXICITY OF CABAZITAXEL IN PATIENTS WITH METASTATIC CASTRATION-RESISTANT PROSTATE CANCER

de With Mirjam, Belderbos Bodine PS, Singh Rajbir K, Agema Bram C, El Bouazzaoui Samira, Oomen-de Hoop Esther, de Wit Ronald, van Schaik Ron HN, Mathijssen Ron HJ, Bins Sander

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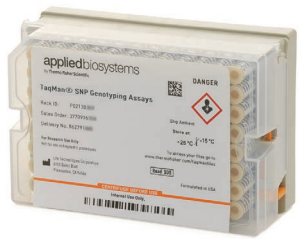

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All lectures will be in English.

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