



IATDMCT 2021

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19th INTERNATIONAL CONGRESS OF THERAPEUTIC DRUG MONITORING & CLINICAL TOXICOLOGY

Rome, Italy

19-22 SEPTEMBER 2021

ANGELICUM
CONGRESS CENTRE

Conference Agenda

International Congress Of Therapeutic Drug Monitoring & Clinical Toxicology

Date: Sunday, 19/Sept/2021

10:30am - 11:30am	Pre congress registration
Room A - Angelicum Congress Centre	
10:30am - 11:30am	Pre congress registration
Room B - Angelicum Congress Centre	
10:30am - 8:00pm	Congress registration
Sala delle Colonne - Angelicum Congress Centre	
11:00am - 3:45pm	Pre-Congress (CME): Pharmacometrics-enhanced TDM Session Chair: Sven van Dijkman Session Chair: Brenda de Winters 11.00 am - 01.00 pm: SESSION 1: Precision Dosing 11.00 am: Talk 1 Population approach basics. Erwin Dreesen, Maurice Ahsman 11.30 am: Talk 2 Covariate modelling. Iris Minichmayr 12.00 pm: Talk 3 Hands-on 1: Developing a basic PK model. All present PMX committee members 01.00 pm: Lunch 01.45 pm - 03.45 pm: SESSION 2: Precision dosing and Clinical Trial Design 01.45 pm: Talk 4 Model-informed precision dosing. Sebastian Wicha, Brenda de Winter 02.15 pm: Talk 5: Clinical trial design. Sven van Dijkman 02.45 pm: Elective hands-on: - Hands-on 2: Treatment individualisation using InsightRX and TDMx. Brenda de Winter, Sebastian Wicha + committee members - Hands-on 3: Clinical Trial Design. Sven van Dijkman + committee members 03.45 pm: Pre-congress seminar closing
Room A - Angelicum Congress Centre	
11:00am - 3:45pm	Pre-Congress (CME): Pharmacometrics-enhanced TDM Session Chair: Sven van Dijkman Session Chair: Brenda de Winters 11.00 am - 01.00 pm: SESSION 1: Precision Dosing 11.00 am: Talk 1 Population approach basics. Erwin Dreesen, Maurice Ahsman 11.30 am: Talk 2 Covariate modelling. Iris Minichmayr 12.00 pm: Talk 3 Hands-on 1: Developing a basic PK model. All present PMX committee members 01.00 pm: Lunch 01.45 pm - 03.45 pm: SESSION 2: Precision dosing and Clinical Trial Design 01.45 pm: Talk 4 Model-informed precision dosing. Sebastian Wicha, Brenda de Winter 02.15 pm: Talk 5: Clinical trial design. Sven van Dijkman 02.45 pm: Elective hands-on: - Hands-on 2: Treatment individualisation using InsightRX and TDMx. Brenda de Winter, Sebastian Wicha + committee members - Hands-on 3: Clinical Trial Design. Sven van Dijkman + committee members 03.45 pm Pre-congress seminar closing
Room A - Angelicum Congress Centre	
11:00am - 3:45pm	Pre-Congress (CME): TDM in pediatric patients as well as in neonates Session Chair: Alberto Villani Session Chair: Bianca Maria Goffredo 11.00 am - 01.00 pm: SESSION 1 11.00 am: Welcome - Franco Locatelli
Room B - Angelicum Congress Centre	



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	<p>11.10 am: TDM in children supported with ECMO. Matteo Di Nardo</p> <p>11.40 am: Adverse drug reactions and pediatric intensive care. What impact? Morida Khalil Ramla</p> <p>12.10 pm: Informed use biologics in rheumatology. Fabrizio De Benedetti</p> <p>12.40 pm: Discussion/Questions</p> <p>01.00 pm: Lunch</p> <p>02.00 pm - 03.45 pm: SESSION 2</p> <p>02.00 pm: Drug monitoring in human milk from women after labor analgesia. Andrea Dotta</p> <p>02.30 pm: TDM in paediatric haematology. Pietro Merli</p> <p>03.00 pm: Neonatal pharmacology: how to improve the dosing regimens for TDM compounds based on PK modeling. Anne Smits</p> <p>03.30 pm: Discussion/Questions and closing considerations</p>
4:00pm - 4:45pm	Welcome address
Aula Magna - Angelicum Congress Centre	Welcome address : Mario Regazzi & Franco Locatelli Presidential Welcome address: Yusuke Tanigawara
4:45pm - 5:30pm	Plenary Lecture 1: Precision Dosing: A view from industry
Aula Magna - Angelicum Congress Centre	Plenary Speaker: Richard W. Peck
5:30pm - 6:00pm	Irving Sunshine Award
Aula Magna - Angelicum Congress Centre	
6:00pm - 9:00pm	Welcome cocktail
Angelicum Congress Centre	



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Date: Monday, 20/Sept/2021

7:30am - 8:30am	Morning roundtable session: Antibiotic stability in elastomeric pumps used for outpatient parenteral antimicrobial therapy
Hotel The Hive	Chair: Dario Cattaneo
7:30am - 8:30am	Morning roundtable session: Alternative sampling devices to collect dried blood microsamples: state-of-the-Art
Hotel The Hive	Chair: Birgit Kock Chair: Christophe Stove
7:30am - 8:30am	Morning roundtable session: TDM of tyrosine kinase inhibitors
Hotel The Hive	Chair: Dirk Moes
8:00am - 7:00pm	Congress registration
Sala delle Colonne - Angelicum Congress Centre	
8:45am - 9:00am	Presidential address
Aula Magna - Angelicum Congress Centre	
9:00am - 9:45am	Plenary Lecture 2 (CME): The New Psychoactive Substances: availability, effects and new diagnostic needs.
Aula Magna - Angelicum Congress Centre	Plenary Speaker: Carlo Locatelli
9:45am - 10:15am	Pippenger Award
Aula Magna - Angelicum Congress Centre	
10:30am - 11:00am	Morning coffee & tea, exhibition and poster viewing
Angelicum Congress Centre	
11:00am - 12:30pm	Symposium 1: New issues in Immunosuppression
Aula Magna - Angelicum Congress Centre	Session Chair: Stein Bergan Session Chair: Franco Locatelli 11.00 am: Talk 1: Biomarkers in solid organ transplantation. Stein Bergan 11.30 am: Talk 2: TDM of immunosuppressive, beyond transplantation-the JAK inhibitors. Raman Venkataramanan 12.00 pm: Talk 3: Immunosup PK and physical activity. Massimo Baraldo
11:00am - 12:30pm	Symposium 2: The "NPS (New Psychoactive Substances) phenomenon"
Room A - Angelicum Congress Centre	Session Chair: Franco Tagliaro 11.00 am: Talk 4: Pharmacotoxicological aspects of NPS. Matteo Marti 11.25 am: Talk 5: The European Early warning system on new psychoactive substances. Michael Evans-Brown 11.50 am: Talk 6: NPS testing in emergency departments: screenings and quantification. Antonella Valli 12.15 pm: Talk 7: Biological samples for the determination of recreational substances. Sabina Strano Rossi
11:00am - 12:30pm	Oral Session: Pharmacogenetics
Room B - Angelicum Congress Centre	Session Chair: Ron Van Shaik Session Chair: Antonio D'Avolio
	ID: 406
	Limited precision of CYP2D6 diplotype scores in predicting in vivo metabolizer phenotypes
	Prof. Espen Molden Diakonhjemmet Hospital, Center for Psychopharmacology, Norway
	ID: 182
	An easy, fast and inexpensive multiplex pharmacogenetics assay to simultaneously analyze clinically relevant genetic polymorphisms in CYP3A4, CYP3A5, CYP1A2, CYP2C9, CYP2C19, CYP2D6, ABCB1 and VKORC1 genes



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Dr. Camille Tron^{1,2,3}, Régis Bouvet⁴, Dr. Marie-Clémence Verdier^{1,2,3}, Dr. Christèle Dubourg⁴, Prof. Marie-Dominique Galibert⁴, Prof. Eric Bellissant^{1,2,3}

¹Pharmacology Department, Rennes University Hospital, Rennes, France; ²CIC 1414 (Clinical Investigation Center), INSERM, Rennes, France; ³Experimental and Clinical Pharmacology Laboratory, University of Rennes, Rennes, France; ⁴Department of Molecular Genetics and Genomics, Rennes Hospital University, Rennes, France

ID: 412

Impact of CYP2B6 and CYP2C9 on serum concentration of sertraline in patients carrying a CYP2C19 *1/*1 genotype

Line Skute Bråten^{1,2}, Prof. Espen Molden^{1,3}, Dr. Marianne Kristiansen Kringen^{1,2}

¹Center for Psykofarmakologi, Diakonhjemmet Sykehus; ²Faculty of health sciences, Oslo Metropolitan University (OsloMet); ³School of Pharmacy, University of Oslo

ID: 230

Escitalopram Metabolite Profiles According to CYP2C19 and CYP2D6 Genotypes

Kristine Hole¹, Pari Faraj^{1,2}, Astrid Hermansen¹, Espen Molden^{1,2}

¹Centre for Psychopharmacology, Diakonhjemmet hospital, Norway; ²Department of Pharmaceutical Biosciences, School of Pharmacy, University of Oslo, Norway

ID: 374

How strong is pharmacogenetics in psychiatry? Our experience in clinical practice

Dr. Cristina Montrasio¹, Dr. Stefania Cheli¹, Prof. Emilio Clementi^{1,2}

¹Unit of Clinical Pharmacology, Department of Laboratory Medicine, ASST Fatebenefratelli Sacco, Milan, Italy; ²Unit of Clinical Pharmacology ASST Fatebenefratelli Sacco, Department of Biomedical and Clinical Sciences L. Sacco, Università di Milano, 20157 Milan, Italy

ID: 310

Pharmacogenetics of anti-cancer drugs in real life settings: a monocentric experience

Dr. Cristina Montrasio¹, Dr. Stefania Cheli¹, Prof. Emilio Clementi^{1,2}

¹Unit of Clinical Pharmacology, Department of Laboratory Medicine, ASST Fatebenefratelli Sacco, Milan, Italy; ²Unit of Clinical Pharmacology ASST Fatebenefratelli Sacco, Department of Biomedical and Clinical Sciences L. Sacco, Università di Milano, 20157 Milan, Italy

ID: 157

Exome sequencing in oncology: a way to obtain relevant pharmacogenetic information.

Simon Verdez^{1,2}, Juliette Albuissou^{3,4}, Yannis Duffourd^{1,2}, Romain Boidot^{3,4,5}, Manon Reda^{3,5,6}, Christel Thauvin-Robinet^{2,4,7}, Jean-David Fumet⁶, Sylvain Ladoire⁶, Sophie Nambot^{2,7}, Maxime Luu⁸, Patrick Callier^{1,2}, Laurence Faivre^{2,4,7}, Francois Ghiringhelli^{3,4,5,6}, Picard Nicolas⁹

¹UF Innovation en diagnostic génomique des maladies rares, Dijon, France; ²UMR1231 GAD, Inserm - Université Bourgogne-Franche Comté, Dijon, France; ³Platform of Transfer in Cancer Biology, Georges François Leclerc Cancer Center - UNICANCER, Dijon, France; ⁴Genomic and Immunotherapy Medical Institute, Dijon, France; ⁵Department of Tumour Biology and Pathology, Georges François Leclerc Cancer Center - UNICANCER, Dijon, France; ⁶Department of Medical Oncology, Georges François Leclerc Cancer Center - UNICANCER, Dijon, France; ⁷Centre de Référence maladies rares « Anomalies du Développement et syndromes malformatifs », Centre de Génétique, FHU-TRANSLAD, CHU Dijon Bourgogne, Dijon, France; ⁸Centre d'Investigation Clinique, module Epidémiologie Clinique/Essais cliniques, CHU Dijon Bourgogne, Dijon, France; ⁹Inserm U1248, service de pharmacologie et toxicologie, université de Limoges, CHU de Limoges, F-87042, Limoges, France.

11:00am - 12:30pm

Room C - Angelicum
Congress Centre

Oral Session: TDM in real world

Session Chair: Ugo de Grazia
Session Chair: Giuliana Cangemi

ID: 309

Fosfomycin therapeutic drug monitoring in real-life: development and validation of a LC-MS/MS method on plasma samples

Dr. Sara Baldelli¹, Dr. Matteo Cerea², Dr. Davide Mangioni³, Dr. Alessandra Bandera³, Dr. Dario Cattaneo¹



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¹ASST Fatebenefratelli Sacco, Italy; ²University of Milan; ³Fondazione IRCCS Ca' Granda Ospedale Maggiore Policlinico

ID: 216

AUC-based therapeutic drug monitoring of tacrolimus after renal transplant recipients is challenged by real-life data

Dr. Marte T Gustavsen^{1,2}, **Dr. Karsten Midtvedt**¹, **Dr. Ida Robertsen**², **Prof. Jean-Baptiste Woillard**^{3,4}, **Dr. Jean Debord**^{3,4}, **Dr. Rolf A Klaasen**¹, **Dr. Nils Tore Vethe**¹, **Prof. Stein Bergan**^{1,2}, **Prof. Anders Åsberg**^{1,2}

¹Oslo University Hospital, Norway; ²University of Oslo, Norway; ³CHU Limoges, France; ⁴INSERM, University of Limoges, France

ID: 353

Pharmacokinetic interaction between bupropion and escitalopram in patients with depression

Dr. Ragnhild Birkeland Waade, **Dr. Tore Haslemo**

Center for psychopharmacology, Diakonhjemmet Hospital, Oslo, Norway

ID: 292

Effect of Therapeutic Plasma Exchange on the Pharmacokinetics of Itraconazole

Dr. Vincent Seah¹, **Dr. Sophie Stocker**², **Dr. Danijela Kocic**¹, **Dr. Stephanie Reuter**³, **Prof. Deborah Marriott**^{4,5}

¹Department of Clinical Pharmacology & Toxicology, St Vincent's Hospital Sydney, Australia.; ²School of Pharmacy, Faculty of Medicine and Health, The University of Sydney, Australia.; ³School of Pharmacy and Medical Sciences, University of South Australia, Adelaide, SA, Australia.; ⁴Department of Infectious Diseases and Clinical Microbiology, St Vincent's Hospital, Sydney, NSW, Australia; ⁵School of Medicine, University of New South Wales, Sydney, NSW, Australia.

ID: 263

Hydroxychloroquine blood concentrations in COVID-19 patients decline slowly after treatment cessation

Dr. Simona De Gregori¹, **Dr. Alessia Ballesio**², **Dr. Alessandra Fusco**², **Carlo Soffiantini**², **Dr. Alessandro Vicentini**³, **Dr. Annalisa De Silvestri**⁴, **Dr. Francesco Falaschi**⁵

¹Clinical and Experimental Pharmacokinetics Unit, Fondazione IRCCS Policlinico San Matteo, Italy; ²Department of Internal Medicine, Fondazione IRCCS Policlinico San Matteo, University of Pavia, Pavia, Italy; ³Cardiac Intensive Care Unit, Arrhythmia and Electrophysiology and Laboratory of Clinical and Experimental Cardiology, Fondazione IRCCS Policlinico San Matteo, Pavia, Italy; ⁴Clinical Epidemiology and Biometry Unit, Fondazione IRCCS Policlinico San Matteo, Pavia, Italy; ⁵Internal Medicine 2, Fondazione I.R.C.C.S. Policlinico San Matteo, University of Pavia, Pavia, Italy

ID: 386

Therapeutic Drug Monitoring Of Quinidine In Patients With Kcnt1 Genetic Variants

Dr. Sara Cairoli¹, **Dr. Alessandro Ferretti**², **Dr. Nicola Pietrafusa**², **Dr. Alessia Vitale**¹, **Dr. Nicola Specchio**², **Dr. Carlo Dionisi Vici**¹, **Dr. Bianca Maria Goffredo**¹

¹Department of Pediatric Subspecialties, Division of Metabolism, Bambino Gesù Children's Hospital, IRCCS, Rome, Italy; ²Department of Neuroscience, Rare and Complex Epilepsy Unit, Bambino Gesù Children's Hospital, IRCCS, Rome, Italy

ID: 390

Increased accumulation of erythrocyte methotrexate polyglutamates during early phase subcutaneous versus oral methotrexate treatment of rheumatoid arthritis patients

Renske Hebing^{1,2}, **Ittai Muller**³, **Sohaila Mahmoud**¹, **Marry Lin**³, **Dr. Sandra Heil**⁴, **Prof. Willem Lems**^{1,2}, **Prof. Michael Nurmohamed**^{1,2}, **Prof. Robert de Jonge**³, **Dr. Gerrit Jansen**²

¹Reade, Rheumatology, Amsterdam, The Netherlands; ²Amsterdam UMC, location VUmc, Rheumatology, Amsterdam, Netherlands; ³Amsterdam UMC, location VUmc, Clinical Chemistry, Amsterdam, Netherlands; ⁴Erasmus MC, Clinical Chemistry, Rotterdam, Netherlands

11:00am - 12:30pm

Room D - Angelicum
Congress Centre

Intersociety Seminar (CME): Pharmacometrics Practical approaches to dose optimization

Session Chair: Antonello Di Paolo

11.00 am: Opening remarks



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	<p>11.0 5am: Pharmacometrics and machine learning: a new opportunity for model-informed precision dosing? Paolo Magni</p> <p>11.25 am: Personalized medicine in children Anne Smits</p> <p>11.45 am: Dose optimization of biologics. Erwin Dreesen</p> <p>12.05 am: Discussion</p> <p>12.25 am: Closing considerations</p>
12:30pm - 1:00pm	<p>ThermoFisher workshop: LC-MS/MS Platforms for Accurate, Confident Results and Regulatory-Compliant Workflows</p> <p>Moderator: Edward Goucher - Global Senior Marketing Manager at Thermo Fisher Scientific</p> <p>- Speaker 1: Dr. Jonas Brand - Head of Department LCMS/HPLC/Metabolism at MVZ Labor Dr.Limbach & Kollegen GbR</p> <p>Presentation title: Implementation of a CE/IVD Clinical LC-MS/MS Analyzer in Routine Diagnostics</p> <p>- Speaker 2: Dr. Maurizio Suppo - Co-owner & Principal Consultant at Qarad BV European Regulatory Services</p> <p>Presentation title: Navigating the IVDR Landscape</p>
12:30pm - 1:15pm	<p>Saladax workshop: Individualize and optimize busulfan dosing in-house with a rapid end-to-end solution.</p> <p>Speakers: Salvatore J. Salamone & Sirj Goswami</p>
12:30pm - 2:00pm	<p>Business meeting - Anti-Infective Drugs Committee</p> <p>Coordinators: Debbie Marriott, Dario Cattaneo</p>
12:30pm - 2:00pm	<p>Business meeting - Immunosuppressive Drugs Committee</p> <p>Coordinators: Stein Bergan, Satoshiro Masuda</p>
12:30pm - 2:00pm	<p>Business meeting - Pharmacogenetics Committee</p> <p>Coordinators: Jesse Swen, Nicolas Picard</p>
12:30pm - 2:00pm	<p>Lunch with Exhibitors</p>
2:00pm - 3:30pm	<p>Symposium 3: Update in oncology</p> <p>Session Chair: Romano Danesi</p> <p>02.00 pm: Talk 8: TDM: small molecules vs biologics. Antonello Di Paolo</p> <p>02.30 pm: Talk 9: Next generation therapeutic antibodies. Josef Golay</p> <p>03.00 pm: Talk 10: Biosensor-enabled on-site TDM. Ceren Ates</p>
2:00pm - 3:30pm	<p>Symposium 4: Clinical toxicology laboratory: broad-spectrum drug screening</p> <p>Session Chair: Alain Gaston Verstraete</p> <p>02.00 pm: Talk 11: Point of Care urine drug screen in supporting ambulatory substance use clinic. Lei Fu</p> <p>02.30 pm: Talk 12: High Resolution Mass Spectrometry drug screening in plasma and urine. Alain Verstraete</p> <p>03.00 pm: Talk 13: The LC-Orbitrap HR/MS in the clinical toxicology laboratory: a quality management perspective to broad-spectrum drug screening. Cristiana Stefan</p>
2:00pm - 3:30pm	<p>Oral Session: Miscellaneous 1</p> <p>Session Chair: Teun van Gelder</p> <p>Session Chair: Franco Tagliaro</p>
	<p>ID: 422</p> <p>Multiple and sequential quantitative evaluations of SARS-Cov-2 IgG after vaccination: A perspective study in healthcare professionals.</p> <p>Dr. Elisa Roda¹, Dr. Lucia Bernasconi^{1,2}, Dr. Cristina Grazioli^{1,2}, Dr. Benedetta Brolli^{1,2}, Dr. Adam Osuchowski^{1,2}, Dr. Silvia Biserni^{1,2}, Dr. Valentina Negrini^{1,2}, Dr. Paola Baiardi³, Prof. Fabio Blandini⁴, Dr. Anna Losurdo⁵, Dr. Luisa Gervasio⁶, Dr. Francesco Saverio Robustelli Della Cuna⁶, Dr. Teresa Coccini¹, Dr. Davide Lonati¹, Dr. Azzurra Schicchi¹, Dr. Valeria M Petrolini¹, Prof. Carlo Locatelli¹</p> <p>¹Toxicology Unit, Pavia Poison Centre-National Toxicology Information Centre, Clinical and Experimental Laboratory, IRCCS Pavia Hospital, ICS Maugeri SpA-SB, Pavia, Italy; ²School of Specialization in Pharmacology and Clinical Toxicology, University of Pavia, Pavia, Italy; ³Scientific Directorate, IRCCS Pavia Hospital, ICS Maugeri SpA-SB, Pavia, Italy; ⁴Scientific Directorate, Mondino Foundation IRCCS, Pavia, Italy; ⁵Hospital Pharmacy, IRCCS Pavia Hospital, ICS Maugeri SpA-SB, Pavia, Italy; ⁶Hospital Pharmacy, Mondino Foundation IRCCS, Pavia, Italy</p>
	<p>ID: 192</p>



Evaluation of pre-analytical practices and intraindividual variability of uracilemia for DPD phenotyping: results of a study from the French Group of Clinical Oncological Pharmacology.

Maud Maillard¹, Dr. Elodie Gautier-Veyret², Prof. Jérôme Guitton³, Dr. Bernard Royer⁴, Dr. Manon Launay⁵, Dr. Sophie Broutin⁶, Dr. Céline Narjoz⁷, Dr. Camille Tron⁸, Prof. Joseph Ciccolini⁹, Dr. Damien Richard¹⁰, Hugo Alarcán¹¹, Prof. Vincent Haufroid¹², Naïma Tafzi¹³, Dr. Antonin Schmitt¹⁴, Dr. Marie-Christine Etienne-Grimaldi¹⁵, Dr. Fabienne Thomas¹

¹Laboratoire de Pharmacologie, Institut Claudius Regaud, IUCT-Oncopole et Centre de Recherches en Cancérologie de Toulouse, Inserm UMR1037, Université Paul Sabatier, Toulouse, France; ²Laboratoire de Pharmacologie, Pharmacogénétique et Toxicologie, CHU Grenoble-Alpes et Université Grenoble-Alpes, laboratoire HP2, INSERM U1042, Grenoble, France; ³Laboratoire de Pharmacologie Toxicologie, CHU de Lyon, Lyon, France; ⁴Laboratoire de Pharmacologie Clinique et Toxicologie, CHU de Besançon, Besançon, France; ⁵Laboratoire de Pharmacologie et Toxicologie, CHU de Saint-Etienne, Saint-Etienne, France; ⁶Département de Biologie et Pathologie Médicale, Service de Pharmacologie, Gustave Roussy, Villejuif, France; ⁷Assistance Publique des Hôpitaux de Paris, Hôpital européen Georges-Pompidou, Service de biochimie, Paris; ⁸Laboratoire de Pharmacologie, CHU de Rennes, Rennes, France; ⁹SMARTc Unit, CRCM Inserm U1068 et Laboratoire de Pharmacocinétique, CHU La Timone, Marseille, France; ¹⁰Laboratoire de Pharmacologie et Toxicologie, CHU de Clermont-Ferrand, Clermont-Ferrand, France; ¹¹Service de Biochimie et Biologie Moléculaire, CHRU de Tours, Tours, France; ¹²Louvain centre for Toxicology and Applied Pharmacology (LTAP), Clinical and Experimental Research Institute (IREC), Université catholique de Louvain, Brussels, Belgium; and Clinical Chemistry Department, Cliniques Universitaires Saint-Luc, Brussels, Belgium; ¹³INSERM, Université de Limoges, Service de Pharmacologie et Toxicologie, CHU de Limoges, U1248 IPPRITT, Limoges, France; ¹⁴Service Pharmacie, Centre Georges-François Leclerc et INSERM U1231, Université de Bourgogne, Dijon, France; ¹⁵Laboratoire d'Oncopharmacologie, UPRC EA 7497, Centre Antoine Lacassagne, Nice, France

ID: 196

Short- and long-term effect of gastric bypass and calorie restriction on CYP3A activity in patients with severe obesity

Kine Eide Kvitne

University of Oslo, Norway

ID: 202

Influence of green tea flavonoids on the bioavailability of nintedanib: a randomized, cross-over study in patients with pulmonary fibrosis

Dr. GD Marijn Veerman¹, Dr. Marlies S Wijsenbeek², Sanne C van der Werff¹, Dr. Jelle R Miedema², Dr. Esther Oomen-de Hoop¹, Dr. Sophie C van der Mark², Dr. Presh P Chandoesing², Dr. Stijn LW Koolen^{1,3}, Prof. Ron HJ Mathijssen¹

¹Dept. of Medical Oncology, Erasmus MC Cancer Institute, Rotterdam, the Netherlands; ²Dept. of Pulmonology, Erasmus MC, Rotterdam, the Netherlands; ³Dept. of Hospital Pharmacy, Erasmus MC, Rotterdam, the Netherlands

ID: 159

Assessing the binding interaction of polystyrene sulfonate with amitriptyline in healthy volunteers, a cross-over design: The BIND study

Ilona Prins-Can¹, Inge Regina Francina van Berlo-van de Laar^{1,2}, Marieke Zeeman³, Cornelis Gerard Vermeij⁴, Esther van 't Riet⁵, Katja Taxis², Franciscus Gerhardus Antonius Jansman^{1,2}

¹Deventer Teaching Hospital, The Netherlands, Department of Clinical Pharmacy; ²University of Groningen, The Netherlands, Groningen Research Institute of Pharmacy (GRIP), Unit of Pharmacotherapy, - Epidemiology & -Economics; ³Deventer Teaching Hospital, The Netherlands, Department of Geriatrics; ⁴Deventer Teaching Hospital, The Netherlands, Department of Nephrology; ⁵Deventer Teaching Hospital, The Netherlands, Research Department

ID: 170

Multi-Site Evaluation of Immunoassays for Antipsychotic Drug Measurement in Clinical Samples

Prof. William A Clarke¹, Bruce Slayer¹, Casey Hussey¹, Dr. JoAnn Gardiner², Prof. Kamisha Johnson-Davis^{3,4}, Dr. Michael C Milone², Dr. Salvatore J Salamone⁵

¹Johns Hopkins University School of Medicine, United State of America; ²Perelman School of Medicine of the University of Pennsylvania, United State of America; ³University of Utah Health Sciences Center, Department of Pathology, United States of America; ⁴ARUP Institute for Clinical and Experimental Pathology, United State of America; ⁵Saladax Biomedical, Inc., United States of America



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2:00pm - 3:30pm
Room C - Angelicum
Congress Centre

ID: 305

Validation of Point of Care Tests (POCT) of Antipsychotic Drugs Aripiprazole and Risperidone

DeWayne M. Davenport, Mary Rose Hilaire, Nathan A. Siegfried, Jodi Courtney, Irina Baburina, Regina V. Gill, Megan S. Konrath, Tasfia Habiba, Barrie A. Rogers, Adrienne Drisgill, Salvatore J. Salamone

Saladax Biomedical, Inc. United States of America

Oral Session: Clinical Toxicology - 1

Session Chair: **Roberta Pacifici**

Session Chair: **Caterina Grassi**

ID: 446

National early warning system on New Psychoactive Substances

Dr. Simona Pichini

Analytical Pharmacotoxicology Unit Head, National Centre on Addiction and Doping, Istituto Superiore di Sanità

ID: 407

Evaluation of a new immunoassay method for the evaluation of traditional and designer benzodiazepines in urine

Prof. Luca Morini, Brian Rossi, Francesca Freni, Giancarlo Collo, Dr. Cristiana Stramesi, Claudia Vignali

Department of Public Health, Experimental and Forensic Medicine, University of Pavia, Italy

ID: 268

Identification of the metabolites of four new designer benzodiazepines with the help of molecular networks.

Michiel Notelaers¹, **Prof. Alain Gaston Verstraete**^{1,2}

¹Department of diagnostic sciences, Ghent university, Belgium; ²Department of laboratory medicine, Ghent university hospital, Belgium

ID: 175

In vitro toxicokinetics of three novel stimulants of the (2-aminopropyl)benzothioephene type including cellular uptake, metabolic fate, isozyme mapping, and monoamine oxidase inhibition

Dr. Lea Wagmann¹, Fabian Frankenfeld¹, Dr. Simon D Brandt², Ole Jensen³, Prof. Jürgen Brockmüller³, Prof. Markus R Meyer¹

¹Saarland University, Homburg, Germany; ²Liverpool John Moores University, Liverpool, UK; ³University Medical Center Göttingen, Göttingen, Germany

ID: 185

A LC-MS/MS method for the detection of two phosphatidylethanol homologues as long-term biomarkers of alcohol exposure

Prof. Kamisha L. Johnson-Davis^{1,2}, Dr. Nkemakonam C. Okoye¹, Dr. Chad D. Moore³

¹University of Utah / ARUP Laboratories, United States of America; ²ARUP Institute for Clinical and Experimental Pathology, United States of America; ³Sports Medicine and Research Testing Laboratory, United States of America

ID: 375

Severe intoxications associated with analytically confirmed use of NBOMe and 2C phenethylamines

Dr. Azzurra Schicchi¹, Dr. Davide Lonati¹, Dr. Valeria M Petrolini¹, Dr. Eleonora Buscaglia¹, Dr. Antonella Valli², Dr. Giulia Scaravaggi¹, Dr. Pietro Papa², **Prof. Carlo Locatelli**¹

¹Toxicology Unit, Pavia Poison Center-National Toxicology Information Centre, Clinical and Experimental Laboratory, IRCCS Pavia Hospital, Istituti Clinici Scientifici Maugeri, Pavia, Italy; ²Laboratory of Analytical Toxicology, Clinical Chemistry Service, IRCCS Policlinico San Matteo Foundation, Pavia (Italy)

ID: 154



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<p>3:30pm - 4:20pm Angelicum Congress Centre</p>	<p>Prognostic value of liver and kidney function parameters and their correlation with the ratio of urine-to-plasma paraquat in patients with paraquat poisoning Prof. Hualin Cai, Shuangyang Zhang, Prof. Bikui Zhang The Second Xiangya Hospital and Institute of Clinical Pharmacy, Central South University, China</p>
<p>4:30pm - 6:00pm Aula Magna - Angelicum Congress Centre</p>	<p>Symposium 5: TDM of biologics in inflammatory bowel diseases Session Chair: Dario Cattaneo 04.30 pm: Talk 14: Role of proactive versus reactive TDM of anti-TNF drugs or standard of care in inflammatory bowel diseases. Dario Cattaneo 05.00 pm: Talk 15: Value of TDM of ustekinumab and vedolizumab in inflammatory bowel diseases. Gionata Fiorino 05.30 pm: Talk 16: How do we implement TDM to maximise treatment success? What target concentrations should we aim for? Anne Strik</p>
<p>4:30pm - 6:00pm Room A - Angelicum Congress Centre</p>	<p>Symposium 6: Role of metabolite measurement in risk assessment of xenobiotic compounds: analytical and toxicokinetic aspects Session Chair: Nicolas Venisse 04.30 pm: Talk 17: The complexity of human metabolism and how it can be explored through in vitro and in vivo approach. Markus R Meyer 05.00 pm: Talk 18: Bisphenol: weakness of deconjugation methods and its impact on biomonitoring. Roy Gerona 05.30 pm: Talk 19: The role of metabolite determination in risk assessment. Antoine Dupuis</p>
<p>4:30pm - 6:00pm Room C - Angelicum Congress Centre</p>	<p>Oral Session: Immunosuppressants Session Chair: Florian Lemaitre Session Chair: Massimo Baraldo</p> <hr/> <p>ID: 330 Contribution of the Bayesian estimate of the area under the curve in the optimization of calcineurin inhibitors's therapeutic monitoring Dr. Habiba Fetati¹, Dr. Fatma Boudia¹, Dr. Abelghani Chaib¹, Dr. Nadjet Mekaouche¹, Dr. Asmaa Memou¹, Dr. Imene Ouden¹, Dr. Kada Djoudad², Dr. Brahim Bendifallah², Prof. Faiza Zerdoumi², Prof. Houari Toumi¹ ¹Faculty of Medecine, University Oran1 Ahmed Ben Bella, Oran, Pharmacovigilance Department of the Hospital and university Establishment of Oran, Algeria; ²Nephrology Departement of the Hospital and university Establishment HUE of Oran, Algeria</p>
	<hr/> <p>ID: 150 Avoiding tacrolimus under- and overexposure with a dosing algorithm for renal transplant recipients: a single arm prospective intervention trial Marith I. Francke^{1,2,3}, Louise M. Andrews^{4,5}, Hoang Lan Le⁴, Jaqueline van de Wetering^{1,2}, Marian C. Clahsen-van Groningen^{2,6}, Teun van Gelder⁷, Ron H.N. van Schaik⁸, Bronno van der Holt⁹, Brenda C.M. de Winter^{2,4}, Dennis A. Hesselink^{1,2} ¹Department of Internal Medicine, Division of Nephrology and Transplantation, Erasmus MC, University Medical Center Rotterdam, the Netherlands; ²Rotterdam Transplant Group; ³Netherlands Institute for Health Sciences; ⁴Department of Hospital Pharmacy, Erasmus MC, University Medical Center Rotterdam, Rotterdam, The Netherlands; ⁵Department of Hospital Pharmacy, Meander Medical Center, Amersfoort, The Netherlands; ⁶Department of Pathology, Erasmus MC, University Medical Center Rotterdam, Rotterdam, The Netherlands; ⁷Department of Clinical Pharmacy and Toxicology, Leiden University Medical Center, Leiden, the Netherlands; ⁸Department of Clinical Chemistry, Erasmus MC, University Medical Center, Rotterdam, the Netherlands; ⁹Department of Hematology, Erasmus MC Cancer Institute, Rotterdam, the Netherlands</p>
	<hr/> <p>ID: 146 Drug transporters expression on PBMC membrane is associated with tacrolimus intracellular concentration Gwendal Coste, Dr. Jonathan Chemouny, Dr. Pauline Houssel-Debry, Prof. Mikael Roussel, Dr. Caroline Jézéquel, Dr. Camille Tron, Dr. Michel Rayar, Dr. Fabien Robin, Prof. Cécile Vigneau, Dr. Marie-Clémence Verdier, Prof. Eric Bellissant, Prof. Karim Boudjema, Prof. Bruno Laviolle, Dr. Florian Lemaitre Rennes University Hospital, France</p>



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ID: 233

Intracellular tacrolimus monitoring: intra-patient medium-term variability in a cohort of pediatric patients

Dr. Alice Palermi¹, Dr. Amedeo De Nicolò¹, Dr. Michele Pinon², Dr. Jessica Cusato¹, Dr. Alessandra Manca¹, Dr. Jacopo Mula¹, Dr. Miriam Antonucci¹, Dr. Valeria Avataneo¹, Dr. Elisa Delia De Vivo¹, Dr. Alice Ianniello¹, Dr. Pierluigi Calvo², Prof. Antonio D'Avolio¹

¹University of Turin, Amedeo di Savoia Hospital, Italy; ²Regina Margherita Children's Hospital, Turin, Italy

ID: 329

Clinically significant drug-drug interaction between tacrolimus and fluconazole in stable renal transplant recipient

Dr. Jiak He^{1,2,3}, Chenglong Yin², Hailang Liu², Hua Zou², Jingsheng Ma², Wentao Yang², Dr. Qigen Li², Lin Zhong², Prof. Xijing Chen³

¹Department of Pharmacy, The Second Affiliated Hospital of Nanchang University, Nanchang, People's Republic of China; ²Department of Organ Transplantation, The Second Affiliated Hospital of Nanchang University, Nanchang, People's Republic of China; ³Clinical Pharmacokinetics Laboratory, School of Basic Medicine and Clinical Pharmacy, China Pharmaceutical University, Nanjing, People's Republic of China

ID: 283

Does inflammation impact tacrolimus metabolism in kidney transplant recipients?

Dr. Florian Lemaitre, Gwendal Coste, Dr. Camille Tron, Dr. Jonathan Chemouny

Rennes University Hospital, France

ID: 282

Utility of Mycophenolic Acid Therapeutic Drug Monitoring in pediatric hematopoietic stem cell transplantation patients in the first month after transplant, using a Limited Sampling Strategy developed for renal pediatric patients

Dr. Francesco Lo Re¹, Dr. Antonella Zucchetto², Dr. Natalia Maximova³, Prof. Massimo Baraldo^{1,4}

¹Clinical Pharmacology and Toxicology Institute, "S. Maria della Misericordia" University Hospital Friuli Centrale, Udine, (Italy); ²Scientific Directorate, Centro di Riferimento Oncologico di Aviano (CRO), IRCCS, (Italy); ³Institute for Maternal and Child Health-IRCCS Burlo Garofolo, Trieste, Italy; ⁴Chair of Pharmacology, Department of Medical Area (DAME), UNIUD (Italy)

ID: 426

Mycophenolate dose adjustment in paediatric transplantation patients: Impact of a model-based dosing algorithm

Dr. Bianca Maria Goffredo¹, Sara Cairolì¹, Raffaele Simeoli¹, Marco Dionisi², Oscar della Pasqua³

¹Bambino Gesù Children's Hospital IRCCS, Italy; ²Istituto per le Applicazioni del Calcolo, National Research Council, Rome, Italy; ³UCL - LONDON'S GLOBAL UNIVERSITY

ID: 151

Nuclear factor of activated T cells as potential pharmacodynamic biomarker for the risk of acute and subclinical rejection in de novo liver recipients

Dr. Olga Millán^{1,2}, Dr. Pablo Ruiz³, Virginia Fortuna¹, Dr. Miguel Navasa^{1,3}, Dr. Constantino Fondevila^{1,4}, Dr. Mercè Brunet^{1,2}

¹Pharmacology and Toxicology, Biochemistry and Molecular Genetics, Biomedical Diagnostic Centre (CDB), IDIBAPS, Hospital Clinic of Barcelona, University of Barcelona, Spain.; ²Biomedical Research Centre in Hepatic and Digestive Diseases (CIBERehd), Instituto de Salud Carlos III, Spain.; ³Liver Transplant Unit, IDIBAPS, Hospital Clinic of Barcelona, University of Barcelona, Spain; ⁴Hepatopancreatobiliary Surgery and Transplantation, General and Digestive Surgery Service, Hospital Clínic, IDIBAPS, University of Barcelona, Barcelona, Spain.

4:30pm - 6:00pm

Room B - Angelicum
Congress Centre

Oral Session: Anti-infectives: antibiotics

Session Chair: Antonello Di Paolo

Session Chair: Bianca Maria Goffredo

ID: 300

A regression model to predict augmented renal clearance in critically ill obstetric patients and effects on vancomycin treatment

Prof. Lian Tang



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The Affiliated Suzhou Hospital of Nanjing Medical University, China, People's Republic of

ID: 394

Therapeutic drug monitoring of vancomycin in Coagulase Negative Staphylococci (CoNS) bacteremia: a real-life experience in a tertiary care Pediatric hospital.

Dr. Carolina Saffioti¹, Dr. Alessio Mesini¹, Dr. Marcello Mariani^{1,2}, Dr. Luca Grasselli¹, Dr. Claudia Sette¹, Dr. Sebastiano Barco¹, Angelo Maffia¹, Laura Barbagallo¹, Dr. Elio Castagnola¹, Dr. Giuliana Cangemi¹

¹IRCCS Istituto Giannina Gaslini, Italy; ²Università degli Studi di Genova, Italy

ID: 427

Optimisation of antibiotic dosing regimens in neonatal and paediatric sepsis: Impact of a model-based approach to antimicrobial stewardship

Dr. Raffaele Simeoli¹, Dr. Bianca Maria Goffredo¹, Dr. Salvatore D'Agate²

¹Bambino Gesù Children's Hospital IRCCS, Italy; ²UCL - LONDON'S GLOBAL UNIVERSITY

ID: 312

The possible impact of CYP3A genotypes in linezolid underexposure

Dr. Sara Baldelli, Dr. Stefania Cheli, Dr. Dario Cattaneo, Dr. Cristina Montrasio

ASST Fatebenefratelli Sacco, Italy

ID: 324

Daptomycin and methadone: a possible drug – drug interaction

Dr. Simona De Gregori¹, Dr. Annalisa De Silvestri², Dr. Antonella Bartoli¹, Dr. Riccardo Albertini³, Prof. Raffaele Bruno⁴, Dr. Elena Seminari⁴

¹Fondazione IRCCS Policlinico San Matteo - Pavia, Italy - Clinical and Experimental Pharmacokinetics Unit;

²Fondazione IRCCS Policlinico San Matteo - Pavia, Italy - Clinical Epidemiology and Biometry Unit;

³Fondazione IRCCS Policlinico San Matteo - Pavia, Italy - Clinical Chemistry Laboratory; ⁴Fondazione IRCCS Policlinico San Matteo - Pavia, Italy - Infectious Diseases I, Department of Medical Sciences and Infectious Diseases

ID: 254

Comparison of dalbavancin pharmacokinetics in peripheral blood mononuclear cells (PBMCs) and plasma in a clinical real-life context.

Dr. Jacopo Mula¹, Dr. Amedeo De Nicolò¹, Dr. Miriam Antonucci¹, Dr. Elisa De Vivo¹, Dr. Jessica Cusato¹, Dr. Alessandra Manca¹, Dr. Alice Palermi¹, Dr. Alice Ianniello¹, Dr. Valeria Avataneo¹, Dr. Giacomo Stroffolini², Dr. Giuseppe Cariti², Prof. Giovanni Di Perri², Prof. Antonio D'Avolio¹

¹University of Turin, Department of Medical Sciences, Laboratory of Clinical Pharmacology and Pharmacogenetics, Amedeo di Savoia Hospital, Turin (Italy).; ²University of Turin, Department of Medical Sciences, Unit of Infectious Diseases, Amedeo di Savoia Hospital, Turin (Italy)

ID: 285

Dalbavancin pharmacokinetics with single or dual infusions in patients with soft-tissues or osteoarticular infections.

Dr. Amedeo De Nicolò¹, Dr. Giacomo Stroffolini², Dr. Miriam Antonucci¹, Dr. Jacopo Mula¹, Dr. Jessica Cusato¹, Dr. Alice Palermi¹, Dr. Alessandra Manca¹, Dr. Giuseppe Cariti², Prof. Stefano Bonora², Prof. Giovanni Di Perri², Prof. Antonio D'Avolio¹

¹Laboratory of Clinical Pharmacology and Pharmacogenetics, Department of Medical Sciences, University of Turin, Italy; ²Unit of Infectious Diseases, Department of Medical Sciences, University of Turin, Italy

ID: 213

Belgian experience with a flucloxacillin absorption test to guide antibiotic treatment.

Nick Verougstraete¹, Franky Buyle², Pieter De Cock², Jerina Boelens¹, Sanne De Smet³, Diana Huis in 't Veld³, Alain Verstraete¹

¹Department of Laboratory Medicine, Ghent University Hospital, Ghent, Belgium; ²Department of Pharmacy, Ghent University Hospital, Ghent, Belgium; ³Department of Internal Medicine and Infectious Diseases, Ghent University Hospital, Ghent, Belgium

6:00pm - 7:30pm

Cocktail reception and poster viewing



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Angelicum Congress
Centre

Dinner at Leisure

8:30pm - 11:00pm

Young Scientists dinner

Stadium of Domitian



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Date: Tuesday, 21/Sept/2021

7:30am - 8:30am Hotel The Hive	Morning roundtable session: New drug-drug interactions in organ transplant recipients Chair: Florian Lemaitre
7:30am - 8:30am Hotel The Hive	Morning roundtable session: TDM of taxanes Chair: Salvatore J. Salamone
7:30am - 8:30am Hotel The Hive	Morning roundtable session: TDM of long-acting formulations of antipsychotics Chair: Sara Baldelli
8:00am - 7:00pm Sala delle Colonne - Angelicum Congress Centre	Congress registration
8:45am - 9:30am Aula Magna - Angelicum Congress Centre	Plenary lecture 3 (CME): Precision medicine and information technology in ICUs. Plenary Speaker: Stefano Finazzi
9:30am - 10:00am Aula Magna - Angelicum Congress Centre	Victor Armstrong Young Investigator Award
10:00am - 10:15am Aula Magna - Angelicum Congress Centre	Patsalos Prize
10:15am - 10:50am Angelicum Congress Centre	Morning coffee & tea, exhibition and poster viewing
11:00am - 12:30pm Aula Magna - Angelicum Congress Centre	Symposium 7: The issues in pediatric patients Session Chair: Bianca Maria Goffredo 11.00 am: Talk 20: TDM of drugs used for analgesia/sedation. Bianca Maria Goffredo 11.30 am: Talk 21: Management of IFI in immunocompromised children. Roger Bruggemann 12.00 pm: Talk 22: Antipsychotics monitoring in pediatric patients. Emilio Clementi
11:00am - 12:30pm Room A - Angelicum Congress Centre	Symposium 8: Microsampling devices: assay developments and applications Session Chair: Antonio D'Avolio 11.00 am: Talk 23: Dried blood microsampling: new devices, automation, and toxicological and clinical implementation. Sigrid Deprez 11.30 pm: Talk 24: DBS and the difficulties one encounters when implementing such a strategy in practice. Marith Francke 12.00 pm: Talk 25: Direct mass spectrometric analysis from VAMS. Karin Kipper
11:00am - 12:30pm Room B - Angelicum Congress Centre	Symposium 9: Diagnosing drug-induced liver injury (DILI) Session Chair: Yusuke Tanigawara 11.00 am: Talk 26: Adverse drug reactions caused by genetic variation of drug transporters. Yusuke Tanigawara 11.30 am: Talk 27: Predicting hypersensitivity drug reactions mitochondrial toxicity and cytokine storm. Manuela Neuman 12.00 pm: Talk 28: Liver injury produced by amatoxins and phallotoxins. Eberhard Wieland
11:00am - 12:30pm Room C - Angelicum Congress Centre	Oral Session: Pharmacometrics Session Chair: Sebastian Wicha Session Chair: Oscar Della Pasqua
	ID: 181 Boosting Model-Informed Precision Dosing with Machine Learning: Improving predictions in atypical patients Dr. Jasmine Hannah Hughes, Dr. Ron Keizer InsightRX, United States of America
	ID: 355 A Reinforcement Learning Tool for Population Modeling



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Julian Otalvaro^{1,2,3}, Michael Neely¹, Walter Yamada¹, Alher Hernandez³, Andres Zuluaga²
¹LAPKB, United States of America; ²LIME, University of Antioquia; ³GIBIC, University of Antioquia

ID: 421

Neonatal PBPK model of buprenorphine: Identification of factors driving PK variability in newborns with neonatal opioid withdrawal syndrome

Matthijs W. van Hoogdale^{1,2}, Dr. Trevor N. Johnson³, Dr. Brooks T. McPhail^{1,4}, Dr. Suyog Kamatkar^{5,6}, Dr. Scott L. Wexelblatt^{5,7,8}, Dr. Laura P. Ward^{5,7}, Prof. Uwe Christians⁹, Prof. Henry T. Akinbi^{5,7}, Prof. Alexander A. Vinks^{1,7,8}, Dr. Tomoyuki Mizuno^{1,7,8}

¹Division of Clinical Pharmacology, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; ²James L. Winkle College of Pharmacy, University of Cincinnati, Cincinnati, OH, USA; ³Certara UK Limited, Sheffield, UK; ⁴School of Medicine Greenville, University of South Carolina, Greenville, SC, USA; ⁵Perinatal Institute, Division of Neonatology, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA; ⁶Community Hospital East, Indianapolis, IN, USA; ⁷Department of Pediatrics, College of Medicine, University of Cincinnati, Cincinnati, OH, USA; ⁸Center for Addiction Research, College of Medicine, University of Cincinnati, Cincinnati, OH, USA; ⁹C42 Clinical Research and Development, University of Colorado, Aurora, CO, USA

ID: 169

Population pharmacokinetics of oxycodone and active metabolites in patients with cancer-related pain

Bram Agema^{1,2}, Astrid Oosten¹, Sebastiaan Sassen², Wim Rietdijk², Carin Van der Rijt¹, Birgit Koch², Ron Mathijssen¹, Stijn Koolen^{1,2}

¹Dept. of Medical Oncology, Erasmus MC Cancer Institute, Erasmus University Medical Center, Rotterdam, The Netherlands; ²Clinical Pharmacy, Erasmus University Medical Center, Rotterdam, The Netherlands

ID: 178

Neural network modelling does not yield better results than Xgboost for the prediction of MPA exposure in large kidney transplantation datasets

Dr. Jean-Baptiste Woillard^{1,2}, Dr. Marc Labriffe^{1,2}, Dr. Jean Debord^{1,2}, Prof. Pierre Marquet^{1,2}

¹INSERM U1248, University of Limoges, France; ²Department of Pharmacology and Toxicology, Limoges University Hospital Center, France

ID: 220

An open-source R package for maximum a posteriori Bayesian estimation of pharmacokinetic parameters : mapbayr.

Dr. Félicien Le Louedec^{1,2,3}, Dr. Florent Puisset^{2,3,4}, Dr. Fabienne Thomas^{1,2,3}, Dr. Mélanie White-Koning^{2,3}, Prof. Etienne Chatelut^{1,2,3}

¹Pharmacology Department, Institut Universitaire du Cancer de Toulouse - Oncopole, Toulouse, France; ²Team 14 (Dose Individualization of Anticancer Drugs), Centre de Recherches en Cancérologie de Toulouse, Inserm UMR1037, Toulouse, France; ³Faculté de Pharmacie, Université Paul Sabatier, Toulouse, France; ⁴Pharmacy Department, Institut Universitaire du Cancer de Toulouse - Oncopole, Toulouse, France

ID: 212

Population pharmacokinetic and target attainment of fosfomycin disodium in healthy male volunteers

Angela Elma Edwina¹, Birgit Koch¹, Valentin al Jalali², Peter Matzneller², Markus Zeitlinger², Sebastiaan Sassen¹

¹Department of Hospital Pharmacy, Erasmus University Medical Center, Rotterdam; ²Department of Clinical Pharmacology, Medical University of Vienna, Vienna, Austria

11:00am - 12:30pm

Seminario Intersocietario (ECM): Il paziente fragile

Session Chair: **Antonello Di Paolo**

11.00 am: Saluti ed apertura dei lavori

11.05 am: Terapie croniche e comorbidità nel paziente anziano. **Fabio Monzani**

11.25 am: Terapie concomitanti nel paziente trapiantato. **Paolo De Simone**

11.45 am: TDM nel paziente fragile. **Mariela Marinova**

12.05 pm: Discussione

12.25 pm: Considerazioni conclusive

Room D - Angelicum
Congress Centre

12:30pm - 1:00pm

ThermoFisher workshop: TDM by LC-MS/MS in pediatrics: from bench to bedside



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Aula Magna - Angelicum Congress Centre	Moderator: Edward Goucher - Thermo Fisher Scientific Speaker: Giuliana Cangemi - Gianina Gaslini Institute
12:30pm - 1:00pm Room A - Angelicum Congress Centre	Promise Proteomics workshop: Pharmacometrics of biologics in oncology: any room for therapeutic drug monitoring? Speaker: Dr Joseph Ciccolini - Professor of Pharmacokinetics, Clinical Pharmacologist (PU-PH)
12:30pm - 2:00pm Room B - Angelicum Congress Centre	Business meeting - Pharmacometrics Committee Coordinators: Brenda De Winter, Jean-baptiste Woillard
12:30pm - 2:00pm Room C - Angelicum Congress Centre	Business meeting - Young Scientists Committee Coordinators: Laura Elens, Brenda DeWinter
12:30pm - 2:00pm Room D - Angelicum Congress Centre	Business meeting - Clinical Toxicology/Drugs of Misuse Committee Coordinators: Manuela Neuman, Eric Franssen
12:30pm - 2:00pm Angelicum Congress Centre	Lunch with Exhibitors
1:00pm - 1:30pm Aula Magna - Angelicum Congress Centre	ThermoFisher workshop: New workflows for the detection of TDM with LC HRMS Orbitrap Moderator: Edward Goucher - Thermo Fisher Scientific Speaker: Petra Gerhards - Thermo Fisher Scientific
2:00pm - 3:30pm Aula Magna - Angelicum Congress Centre	Symposium 10: Therapeutic drug monitoring of biologics in immune-mediated inflammatory diseases other than IBD Session Chair: Annick de Vries 02.00 pm: Talk 29: Personalized dosing of natalizumab in multiple sclerosis. Floris Loeff 02.30 pm: Talk 30: Clinical utility of therapeutic drug monitoring for biologics in patients with psoriasis. Teresa Tsakok 03.00 pm: Talk 31: Exposure-Response Relationship of biologics in Patients With Rheumatoid Arthritis: individualised dose reduction based on drug concentration. Gertjan Wolbink
2:00pm - 3:30pm Room A - Angelicum Congress Centre	Symposium 11: Laboratory monitoring of COVID-19 patients Session Chair: Birgit Koch 02.00 pm: Talk 32: Variants, epidemiology: the impact on vaccinations. Fausto Baldanti 02.30 pm: Talk 33: Performance of the different serological tests for anti-SARS-CoV-2 antibodies. Maria Rosa Capobianchi 03.00 pm: Talk 34: Considerations for diagnostic COVID-19 tests. Valeria Micheli
2:00pm - 3:30pm Room B - Angelicum Congress Centre	Oral Session: Anti-infectives: antiviral drugs Session Chair: Antonio D'Avolio Session Chair: Nunzia Decembrino
	ID: 253 Intracellular evaluation of the pharmacokinetic interaction between rifampin and darunavir/ritonavir with dolutegravir Dr. Elisa Delia De Vivo¹, Prof. Andrea Calcagno², Dr. Amedeo De Nicolò¹, Dr. Ilaria Motta², Prof. Antonio D'Avolio¹, Prof. Giovanni Di Perri², Prof. Lubbe Wiesner³, Dr. Isma-eel Ebrahim³, Prof. Gary Maartens³, Prof. Catherine Orrell⁴, Prof. Helen McIlleron³ ¹ University of Turin, Department of Medical Sciences, Laboratory of Clinical Pharmacology and Pharmacogenetics, Amedeo di Savoia Hospital, Turin (Italy); ² Unit of Infectious Diseases, Department of Medical Sciences, University of Turin, Italy; ³ Division of Clinical Pharmacology, Department of Medicine, University of Cape Town, South Africa; ⁴ Desmond Tutu HIV Centre, Institute of Infectious Diseases and Molecular Medicine (IDM) and Department of Medicine, University of Cape Town, South Africa
	ID: 176 Antiretroviral drug plasma exposure according to seasonality: a TDM register of 10 years. Dr. Jessica Cusato, Prof. Andrea Calcagno, Dr. Jacopo Mula, Dr. Valeria Avataneo, Dr. Miriam Antonucci, Dr. Alice Palermi, Dr. Amedeo De Nicolò, Dr. Elisa Delia De Vivo, Dr. Alice Ianniello, Dr. Alessandra Manca, Prof. Antonio D'Avolio University of Turin



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ID: 217

Therapeutic drug monitoring and virological response in a cohort of HIV patients switching to dolutegravir/rilpivirine dual maintenance therapy (ANRS-BIRIDER Study)

Dr. Florian Lemaitre¹, Dr. Jennifer Lagoutte-Renosi², Dr. Marie-Claude Gagnieu³, Dr. Nicolas Venisse⁴, Dr. Matthieu Grégoire⁵, Dr. Stéphane Bouchet⁶, Dr. Rodolphe Garraffo⁷, Dr. Minh Lê⁸, Dr. Patrice Muret², Dr. Emmanuelle Comets⁹, Dr. Caroline Solas¹⁰, Dr. Gilles Peytavin¹¹, Anrs; Birider study group¹², Anrs; AC-43. Pharmacology subgroup¹²

¹Univ Rennes, CHU Rennes, Inserm, EHESP, Irset (Institut de recherche en santé, environnement et travail)-UMR_S 1085, Rennes, France; ²Clinical Pharmacology Department - Minjoo University Hospital - Besancon - France; ³Hospices Civils de Lyon - Groupement Hospitalier Sud - Service de Biochimie et Biologie Moléculaire - UM Pharmacologie-Toxicologie - 69495 Pierre-Benite; ⁴CHU Poitiers, Laboratoire de Toxicologie et Pharmacocinétique, CIC Inserm 1402, Poitiers, France; ⁵Clinical Pharmacology Department, Nantes University Hospital, Nantes, France; ⁶Laboratoire de Pharmacologie et Toxicologie, Service de Pharmacologie Médicale, CHU Pellegrin, INSERM U1219, Bordeaux, France; ⁷Pharmacologie Médicale, Faculté de Médecine et CHU de Nice, Hôpital Pasteur, Nice; ⁸AP-HP, Bichat Claude Bernard Hospital, Pharmacology-Toxicology Department, 75018 Paris, France; INSERM, UMRS-1144, Université de Paris, 75006 Paris, France; ⁹INSERM, CIC 1414, 35700 Rennes, France; Univ Rennes-1, 35700 Rennes, France; Université de Paris, INSERM, IAME, F-75006 Paris, France; ¹⁰APHM, Hôpital La Timone, Laboratoire de Pharmacocinétique et Toxicologie, Unité des Virus Émergents (UVE: Aix-Marseille Univ-IRD 190-Inserm 1207), Marseille, France; ¹¹AP-HP, Bichat Claude Bernard Hospital, Pharmacology-Toxicology Department, 75018 Paris, France, Université de Paris, INSERM, IAME, F-75006 Paris, France; ¹²ANRS-Maladies Infectieuses Emergentes

ID: 247

Towards an update of the interest of fluconazole therapeutic drug monitoring (TDM) in intensive care unit (ICU) pediatric patients

Jean Michel Monatte¹, Marion Dequin², Marceau Tanguy¹, Prof. Fabrice Michel³, Dr. Renaud Vialet², Dr. Romain Guilhaumou⁴, Prof. Caroline Solas⁵

¹APHM, Hôpital La Timone, Laboratoire de Pharmacocinétique et Toxicologie, Marseille, France; ²Assistance-Publique, Hôpitaux de Marseille, Réanimation Néonatale, Marseille, France; ³Assistance-Publique, Hôpitaux de Marseille, Anesthésie réanimation pédiatrique, Marseille, France; ⁴APHM, Service de Pharmacologie Clinique et Pharmacovigilance, Institut de neurosciences des systèmes, Inserm UMR 1106, Université d'Aix-Marseille, France; ⁵APHM, Hôpital La Timone, Laboratoire de Pharmacocinétique et Toxicologie Unité des Virus Émergents (UVE: Aix-Marseille Univ-IRD 190-Inserm 1207), Marseille, France

ID: 208

Evaluation of interactions between antiretroviral drugs and food using chemometric methods

Agnieszka Wiesner, Prof. Paweł Zagrodzki, Marek Jamrozik, Dr. Monika Marcinkowska, Prof. Paweł Paško

Jagiellonian University Medical College, Faculty of Pharmacy, Poland

ID: 275

Bioequivalence study of two Favipiravir formulations performed during COVID-19 pandemic

Katerina Kovalyova, Gregory Tsapko, Sergey Mashchenko, Vera Volkova, Prof. Igor Kuznetsov
Pharmbiotest LLC, Ukraine

ID: 251

Pharmacokinetics of zanamivir in critically ill patients undergoing CVVH

Andre Wieringa¹, Dr. Jasper Haringman³, Dr. Peter ter Horst¹, Dr. Gert Jan Wagenvoort², Dr. Birgit Koch⁴

¹Isala Clinics, dept. of Clinical Pharmacy, The Netherlands; ²Isala Clinics, Laboratory of Clinical Microbiology and Infectious Diseases, The Netherlands; ³Isala Clinics, dept. of Intensive Care, The Netherlands; ⁴Erasmus MC, dept. of Clinical Pharmacy and Pharmacology, The Netherlands

2:00pm - 3:30pm

Room C - Angelicum
Congress Centre

Oral Session: Clinical Toxicology - 2

Session Chair: **Elisa Roda**

Session Chair: **Guido Mannaioni**

ID: 228



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An innovative and efficient tool for clinical toxicology: a 60 patients retrospective study on drug annotation combining a Molecular Networking Approach with MetWork web application

Romain Magny^{1,2}, Yann Beauxis¹, Dr. Gregory Genta-Jouve^{1,3}, Dr. Emmanuel Bourgoigne^{4,5}

¹Université de Paris, faculté de Pharmacie, UMR 8038, Paris, France; ²Sorbonne Université UM80, INSERM UMR 968, CNRS UMR 7210, Institut de la Vision, IHU ForeSight, Paris, France; ³USR 3456 CNRS LEEISA, Guyane, France; ⁴Université de Paris, faculté de Pharmacie, laboratoire de toxicologie, Paris, France; ⁵APHP, Hopital St Antoine, France

ID: 224

Analysis of Synthetic Cannabinoids Paraphernalia in two Patients admitted for drug Rehabilitation in UAE

Dr. Abuelgasim Elrasheed Alhassan¹, Dr. Hamad Al Ghaferi², Dr. Muez Siddig³, Dr. Amir Haju⁴

¹National Rehabilitation Center, United Arab Emirates; ²National Rehabilitation Center, United Arab Emirates; ³National Rehabilitation Center, United Arab Emirates; ⁴National Rehabilitation Center, United Arab Emirates

ID: 166

Probe Electrospray Ionization Mass Spectrometry (PESI) : an application for testing driving under the influence of drugs (DUID) in saliva

Dr. Pauline Griffeuille, Dr. Elies Zarrouk, Dr. Souleiman El Balkhi, Prof. Franck Saint-Marcoux
Limoges University Hospital, France

ID: 423

A case of severe adverse effects after paliperidone long-acting injection

Dr. Giulia Scaravaggi¹, Dr. Chiara Marchetti², Dr. Azzurra Schicchi¹, Dr. Davide Lonati¹, Dr. Elisa Roda¹, Dr. Teresa Coccini¹, Dr. Valeria M Petrolini¹, Prof. Carlo Locatelli¹

¹Toxicology Unit, Pavia Poison Center-National Toxicology Information Centre, Clinical and Experimental Laboratory, IRCCS Pavia Hospital, ICS Maugeri SpA-SB, Pavia, Italy; ²Intensive Care Unit, Santa Chiara Hospital, Trento, Italy

ID: 145

Confirmation of Methylphenidate and Ritalinic Acid in Urine Using Liquid Chromatography Tandem Mass Spectrometry (LC-MS/MS)

Prof. Lorale J Langman, Darlington Danso, Dr. Paul J Jannetto

Department of Laboratory Medicine and Pathology, Mayo Clinic, Rochester, MN, USA

ID: 401

Analytical identification of poisoning by the new synthetic opioid 2-methyl-AP-237

Dr. Azzurra Schicchi¹, Dr. Antonella Valli², Dr. Pietro Papa², Dr. Maria Teresa Novelli³, Dr. Teresa Coccini¹, Dr. Elisa Roda¹, Dr. Davide Lonati¹, Dr. Valeria M Petrolini¹, Prof. Carlo Locatelli¹

¹Toxicology Unit, Pavia Poison Centre-National Toxicology Information Centre, Clinical and Experimental Laboratory, IRCCS Pavia Hospital, ICS Maugeri SpA-SB, Pavia, Italy; ²Laboratory of Analytical Toxicology, Clinical Chemistry Service, IRCCS Policlinico San Matteo Foundation, Pavia, Italy; ³Intensive Care Unit, Cardinal Massaia Hospital, Asti, Italy

ID: 376

Haloperidol serum level after accidental intravenous administration of the decanoate salt

Dr. Valeria M Petrolini¹, Dr. Azzurra Schicchi¹, Dr. Davide Lonati¹, Dr. Eleonora Buscaglia¹, Dr. Giulia Scaravaggi¹, Dr. Antonella Valli², Dr. Pietro Papa², Prof. Carlo Locatelli¹

¹IRCCS Pavia Hospital, Istituti Clinici Scientifici Maugeri, Pavia, Italy, Italy; ²Laboratory of Analytical Toxicology, Clinical Chemistry Service, IRCCS Policlinico San Matteo Foundation, Pavia, Italy

3:30pm - 4:20pm

Angelicum Congress
Centre

4:30pm - 6:00pm

Afternoon tea&Coffee, exhibition and poster viewing



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Aula Magna -
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Symposium 12: Optimal sampling strategies for TDM exemplified by vancomycin

Session Chair: **Oscar Della Pasqua**

04.30 pm: Talk 35: Common PK/PD targets for TDM and model-informed precision dosing and what the trough sample does (not) tell. **Sebastian Wicha**

05.00 pm: Talk 36: Optimal sampling is not just for trial design: application to individual patients. **Michael Neely**

05.30 pm: Talk 37: An interactive introduction to AUC-based dosing of vancomycin. **Iris Minichmayr**

4:30pm - 6:00pm

Room A - Angelicum
Congress Centre

Symposium 13: New frontiers of clinical toxicology labs

Session Chair: **Eberhard Wieland**

04.30 pm: Talk 38: Methadone, oxycodone and buprenorphine: are polymorphisms and metabolic evaluation of clinical relevance? **Donata Favretto**

05.00 pm: Talk 39: Amanitins testing in mushrooms poisoning. **Elisa Roda**

05.30 pm: Talk 40: Nano-drug delivery; dream or reality. **Fabio Corsi**

4:30pm - 6:00pm

Room B - Angelicum
Congress Centre

Symposium 14: Clinical implementation of Pharmacogenomics

Session Chair: **Jesse J Swen**

04.30 pm: Talk 41: Development of pharmacogenetics guidelines: from reactive to pre-emptive. **Jesse J Swen**

05.00 pm: Talk 42: Implementation of pharmacogenetics in the oncological clinical practice: the experience of an Italian IRCCS- Cancer Research Center. **Erika Cecchin**

05.30 pm: Talk 43: Integrating Drug-Drug-Gene interactions: a Physiologically Based Pharmacokinetic approach. **Thorsten Lehr**

4:30pm - 6:00pm

Room C - Angelicum
Congress Centre

Oral Session: TDM in oncology

Session Chair: **Antonello Di Paolo**

Session Chair: **Romano Danesi**

ID: 271

Therapeutic drug monitoring of docetaxel in patients with advanced non-small cell lung cancer (NSCLC): An open label randomized study.

Dr. Salvatore J Salomone¹, Dr. Yungpeng Yang², Dr. Yuniang Ma², Dr. Yuehao Lin², Dr. Weiting Liang², Dr. Hungyun Zhao², Dr. Li Zhang²

¹Saladax Biomedical, Inc., United States of America; ²Sun Yat-Sen University Cancer Center, Guangzhou, China

ID: 225

Therapeutic drug monitoring based dosing of oral targeted anticancer therapies: a prospective multicenter study

Ruben Alexander Georg van Eerden¹, Dr. Stefanie L. Groenland², Kim Westerdijk³, Marinda Meertens², Dr. Stijn L.W. Koolen^{1,4}, Dr. Dirk Jan A.R. Moes⁵, Niels de Vries⁶, Dr. Hilde Rosing⁶, Dr. Hans-Martin Otten⁷, Dr. Annelie J.E. Vulink⁸, Dr. Ingrid M.E. Desar³, Dr. Alexander L.T. Imholz⁹, Prof. Hans Gelderblom¹⁰, Dr. Nielka P. van Erp¹¹, Prof. Jos H. Beijnen^{6,12}, Prof. Alwin D.R. Huitema^{6,13}, Prof. Ron H.J. Mathijssen¹, Dr. Neeltje Steeghs²

¹Department of Medical Oncology, Erasmus MC Cancer Institute, Rotterdam, The Netherlands;

²Department of Clinical Pharmacology, Division of Medical Oncology, The Netherlands Cancer Institute, Amsterdam, The Netherlands;

³Department of Medical Oncology, Radboud University Medical Center, Nijmegen, The Netherlands;

⁴Department of Pharmacy, Erasmus Medical Center, Rotterdam, The Netherlands;

⁵Department of Clinical Pharmacy & Toxicology, Leiden University Medical Center, Leiden, The Netherlands;

⁶Department of Pharmacy & Pharmacology, The Netherlands Cancer Institute, Amsterdam, The Netherlands;

⁷Department of Medical Oncology, Meander Medical Center, Amersfoort, The Netherlands;

⁸Department of Medical Oncology, Reinier de Graaf Hospital, Delft, The Netherlands;

⁹Department of Medical Oncology, Deventer Hospital, Deventer, The Netherlands;

¹⁰Department of Medical Oncology, Leiden University Medical Center, Leiden, The Netherlands;

¹¹Department of Pharmacology, Radboud University Medical Center, Nijmegen, The Netherlands;

¹²Department of Pharmaceutical Sciences, Utrecht University, Utrecht, The Netherlands;

¹³Department of Clinical Pharmacy, University Medical Center Utrecht, Utrecht University, Utrecht, The Netherlands

ID: 242

Therapeutic drug monitoring of tamoxifen to improve adjuvant treatment of hormone sensitive breast cancer

Louwrens Braal¹, Agnes Jager¹, Esther Oomen-de Hoop¹, Justin Westenberg¹, Koen Lommen¹, Peter de Bruijn¹, Mijntje Vastbinder², Quirine van Rossum-Schornagel³, Martine Thijs-Visser⁴, Robbert van Alphen⁵, Liesbeth Struik⁴, Hanneke Zuetenhorst³, Ron Mathijssen¹, Stijn Koolen¹

¹Erasmus Medical Center, Rotterdam, The Netherlands; ²IJsselland Hospital, Capelle aan den IJssel, The Netherlands;

³Franciscus Gasthuis & Vlietland, Schiedam, The Netherlands; ⁴Ikazia Hospital, Rotterdam, The Netherlands;

⁵Elisabeth Tweesteden Hospital, Tilburg, The Netherlands



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ID: 241

Determination of blood-plasma ratios of tyrosine kinase inhibitors to allow implementation of (dried) blood microsampling methods.

Nick Verougstraete^{1,2}, Veronique Stove², Alain Verstraete², Christophe Stove¹

¹Laboratory of Toxicology, Department of Bioanalysis, Faculty of Pharmaceutical Sciences, Ghent University, Ghent, Belgium; ²Department of Laboratory Medicine, Ghent University Hospital, Ghent, Belgium

ID: 281

A Population Pharmacokinetic Approach to Evaluate the Performance of 5-Fluorouracil Therapeutic Drug Monitoring Strategies

Dr. Hayley B Schultz, Dr. Stephanie E Reuter

Quality Use of Medicines and Pharmacy Research Centre, University of South Australia, Australia

ID: 358

A combination of pre-screening for DPD deficiency by geno/phenotypic and PK-guided dosing of 5-FU to prevent severe toxicity in GI-cancer patients (CombiGapp): interim results

Pawida Veluwenkamp-Worawutputtpong¹, Daphne Den Besten-Bertholee¹, Dr. Helle-Brit Fiebrich-Westra², Dr. Richard Brohet³, Dr. Jan Gerard Maring¹

¹Dept. of Clinical Pharmacy, Isala Hospital, The Netherlands; ²Dept. of Oncology, Isala Hospital, The Netherlands; ³Dept. of Sciences & Innovation, Isala Hospital, The Netherlands

ID: 339

Measurement of UH2/U ratio as prognostic screening of Dihydropyrimidine Dehydrogenase activity in 5-Fluorouracil therapy management

Dr. Bruno Charlier^{1,2}, Dr. Albino Coglianesi¹, Dr. Emanuela De Bellis¹, Dr. Federica De Rosa^{1,2}, Dr. Francesca Mensitieri¹, Dr. Valentina Manzo², Dr. Berenice Stefanelli², Prof. Valeria Conti^{1,2}, Prof. Viviana Izzo^{1,2}, Prof. Fabrizio Dal Piaz^{1,2}, Prof. Amelia Filippelli^{1,2}

¹Department of Medicine, Surgery and Dentistry "Scuola Medica Salernitana", University of Salerno, Baronissi.; ²University Hospital "San Giovanni di Dio e Ruggi D'Aragona",

ID: 255

Pilot Therapeutic Drug Monitoring (TDM) Study of Pembrolizumab and Nivolumab Trough Concentrations in Melanoma Patients

Dr. Paul J. Jannetto¹, Dr. Maria A. Willrich¹, Paula M. Ladwig¹, Lisa A. Kottschade², Jill M. Schimke², Dr. Svetomir N. Markovic²

¹Mayo Clinic, Department of Laboratory Medicine & Pathology, Rochester, MN, United States of America; ²Mayo Clinic, Department of Oncology, Rochester, MN, United States of America

ID: 336

TDM-guided empirical treatment with beta-lactams in CAR-T patients with febrile neutropenia: proof of concept

Chun Liu^{1,3}, Dr. Pier Giorgio Cojutti^{1,2}, Dr. Milo Gatti^{1,2}, Carla Troisi^{1,3}, Prof. Federico Pea^{1,2,3}

¹Department of Medical and Surgical Sciences, Alma Mater Studiorum, University of Bologna - Bologna (Italy); ²Clinical Pharmacology Unit, IRCCS Policlinico Sant'Orsola - Bologna (Italy); ³This project has received funding from the European Union's Horizon 2020 research and innovation program under the Marie Skłodowska-Curie grant agreement No 861323.

6:00pm - 7:30pm

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Cocktail reception and poster viewing

Dinner at Leisure

8:30pm - 11:00pm

Palazzo Brancaccio

IATDMCT CONGRESS DINNER



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Date: Wednesday, 22/Sept/2021

7:30am - 8:30am	Morning roundtable session: Interpretation of metal concentrations in blood and urine Chair: Souleiman El Balkhi
Hotel The Hive	Antibiotic stability in elastomeric pumps used for outpatient parenteral antimicrobial therapy Alternative sampling devices to collect dried blood microsamples: state-of-the-Art TDM in an immune-oncology word
7:30am - 8:30am	Morning roundtable session: Pharmacogenetics in psychiatry: is the glass half empty or half full?
Hotel The Hive	Chair: Ron Van Shaik Antibiotic stability in elastomeric pumps used for outpatient parenteral antimicrobial therapy Alternative sampling devices to collect dried blood microsamples: state-of-the-Art TDM in an immune-oncology word
7:30am - 8:30am	Morning roundtable session: The use of machine learning approaches in clinical pharmacology
Hotel The Hive	Chair: Jean-Baptiste Woillard Antibiotic stability in elastomeric pumps used for outpatient parenteral antimicrobial therapy Alternative sampling devices to collect dried blood microsamples: state-of-the-Art TDM in an immune-oncology word
8:00am - 5:30pm	Congress registration
Sala delle Colonne - Angelicum Congress Centre	
8:30am - 10:00am	Symposium 15: Infection site measurement of anti-microbial agents: unnecessary, a luxury or essential? Session Chair: Federico Pea 08.30 am: Talk 44: Bone and joint infections. Birgit Koch 09.00 am: Talk 45: Lungs and pleural space. Federico Pea 09.30 am: Talk 46: The role of microdialysis. Markus Zeitlinger
Aula Magna - Angelicum Congress Centre	
8:30am - 10:00am	Symposium 16: Herbal remedies and dietary supplements Session Chair: Simona Pichini 08.30 am: Talk 47: Amanita Phalloides intoxications: clinical outcomes and efficacy of antidotes – Review of 40 years of case reports. Bart G.J. Dekkers 08.55 am: Talk 48: Herbal remedies: toxicity and effect on therapeutic drug monitoring. Vanessa Steenkamp 09.20 am: Talk 49: Case study of curcumin food supplements: an example of public health issue. Marco Silano 09.45 am: Talk 50: Herbal and dietary supplements use leading to toxicities. Amitava Dasgupta
Room A - Angelicum Congress Centre	
8:30am - 10:00am	Oral Session: Alternative sampling strategies Session Chair: Ugo de Grazia Session Chair: Giuliana Cangemi
Room B - Angelicum Congress Centre	
	ID: 274 Alternative microsampling approaches and HRMS for the monitoring of neurodegenerative disorders Dr. Michele Protti¹, Dr. James Rudge², Prof. Mario Amore³, Prof. Alessandro Serretti⁴, Prof. Laura Mercolini¹ ¹ Research group of Pharmaco-Toxicological Analysis (PTA Lab), Department of Pharmacy and Biotechnology (FaBiT), Alma Mater Studiorum - University of Bologna, Bologna, Italy; ² Neoteryx LLC, Torrance, CA, USA; ³ Department of Neuroscience, Ophthalmology, Genetics and Infant-Maternal Science, University of Genoa, Genoa, Italy; ⁴ Department of Biomedical and Neuromotor Science, Alma Mater Studiorum - University of Bologna, Bologna, Italy
	ID: 226 Fully Automated Dried Blood Spot-Based Therapeutic Drug Monitoring of Immunosuppressants Sigrid Deprez, Prof. Christophe Stove Laboratory of Toxicology, Department of Bioanalysis, Faculty of Pharmaceutical Sciences, Ghent University, Ottergemsesteenweg 460, 9000 Ghent, Belgium
	ID: 171 Development and validation of an analytical procedure suitable for adherence monitoring of antihypertensive drugs using volumetric absorptive microsampling of finger prick blood Cathy M Jacobs, Dr. Lea Wagmann, Prof. Markus R Meyer



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Department of Experimental and Clinical Toxicology, Institute of Experimental and Clinical Pharmacology and Toxicology, Center for Molecular Signaling (PZMS), Saarland University, Homburg, Germany

ID: 246

Interest of micro-sampling on Mitra® system for baclofen pharmacokinetics study in rats

Dr. Marie Allard^{1,2}, Dr. Lucie Chevillard², Nefertari Garcia-Moro¹, Dr. Minh Le^{2,4}, Dr. Bruno Megarbane^{2,3}, Dr. Pascal Houze^{1,2}, Dr. Laurence Labat^{1,2}

¹Laboratoire de Toxicologie, Hopital Lariboisière, APHP, Paris, France; ²Inserm UMR-S 1144, Université de Paris, France; ³Réanimation médicale et toxicologique, Hopital Lariboisière, APHP, Paris, France;

⁴Laboratoire de Biochimie métabolique et nutrition, Hopital Bichat, APHP, Paris, France

ID: 205

Near-infrared-based hematocrit prediction of dried blood spots: an in-depth evaluation

Liesl Heughebaert¹, Lisa Delahaye¹, Dr. Christoph Lühr², Stijn Lambrecht³, Prof. Christophe Stove¹

¹Ghent University, Belgium; ²BÜCHI Labortechnik, Germany; ³Ghent University Hospital, Belgium

ID: 162

Residual blood from blood gas tests can be used for therapeutic drug monitoring of vancomycin: a method comparison

Tim JL Smeets¹, Anouk Rietveld¹, Ruud Huisman¹, Dr. Henrik Endeman², Dr. Birgit CP Koch¹, Dr. Nicole GM Hunfeld^{1,2}

¹Erasmus MC, University Medical Center Rotterdam, Department of Hospital Pharmacy, Doctor Molewaterplein 40, 3015 GD Rotterdam, the Netherlands; ²Erasmus MC, University Medical Center Rotterdam, Department of Intensive Care, Doctor Molewaterplein 40, 3015 GD Rotterdam, the Netherlands

ID: 364

TDM In Haematic Miniaturised Samples Of Patients Under Polypharmacy

Camilla Marasca^{1,2}, Prof. Marco Menchetti³, Dr. Carmine Petio⁴, Dr. Roberto Muratori⁴, Prof. Andrea Cavalli^{1,2}, Prof. Laura Mercolini¹, Dr. Michele Protti¹

¹Department of Pharmacy and Biotechnology (FaBiT), Alma Mater Studiorum – University of Bologna, 40126 Bologna, Italy; ²Italian Institute of Technology (IIT), 16163 Genoa, Italy; ³Department of Biomedical and Neuromotor Sciences, 40123 Bologna, Italy; ⁴Psychiatric Diagnosis and Care Service, S. Orsola-Malpighi University Hospital, 40138 Bologna, Italy

8:30am - 10:00am

Room C - Angelicum
Congress Centre

Oral Session: Miscellaneous 2

Session Chair: Pierluigi Navarra

Session Chair: Dario Cattaneo

ID: 257

Tisagenlecleucel in Children and Young Adults: Reverse Translational Research by Using Real-World Safety Data

Dr. Concetta Rafaniello, Dr. Carmen Ferrajolo, Dr. Mario Gaio, Dr. Alessia Zinzi, Prof. Cristina Scavone, Dr. Maria Giuseppa Sullo, Prof. Francesco Rossi, Prof. Liberato Berrino, Prof. Annalisa Capuano

University of Campania "L. Vanvitelli", Italy

ID: 424

First identification of synthetic cannabinoid 5F-MDMB-PICA in Italy

Dr. Valeria M Petrolini¹, Dr. Antonella Valli², Dr. Pietro Papa², Dr. Azzurra Schicchi¹, Dr. Elisa Roda¹, Dr. Teresa Coccini¹, Dr. Davide Lonati¹, Prof. Carlo Locatelli¹

¹Toxicology Unit, Pavia Poison Center-National Toxicology Information Centre, Clinical and Experimental Laboratory, IRCCS Pavia Hospital, ICS Maugeri SpA-SB, Pavia, Italy; ²Laboratory of Analytical Toxicology, Clinical Chemistry Service, IRCCS Policlinico San Matteo Foundation, Pavia, Italy

ID: 276

Hair analysis, the ideal tool for monitoring adherence to therapy in chronic pharmacological treatments?

Prof. Cristiano Fava, Dr. Francesco Taus, Dr. Marco Ballotari, Prof. Rossella Gottardo, Prof. Pietro Minuz, Prof. Franco Tagliaro

Università di Verona, Verona, Italy



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ID: 419

Metabolism study of different classes of New Psychoactive Substances by in silico and in vivo approach.

Dr. Sara Odoardi¹, Dr. Serena Mestria¹, Dr. Giulia Biosa¹, Prof. Matteo Marti², Prof. Sabina Strano Rossi¹

¹Università Cattolica del Sacro Cuore, Rome, Italy; ²University of Ferrara, Italy

ID: 197

Binding interactions with sevelamer and polystyrene sulfonate in vitro

Inge Regina Francina van Berlo-van de Laar¹, Ilona Prins-Can¹, Aliesa Anne de Lange², Prof. Katja Taxis², Dr. Franciscus Gerardus Antonius Jansman¹

¹Deventer Teaching Hospital, The Netherlands; ²University of Groningen, The Netherlands

ID: 140

A Systematic Review And Meta-Analysis Of Enzyme-Linked Immunosorbent Spot (Elispot) Assay For Bk Polyomavirus Immune Response Monitoring After Kidney Transplantation

Suwasin Udomkarnjananun^{1,2}, Stephen J. Kerr², Marith I Francke¹, Yingyos Avihingsanon², Nicole M. van Besouw¹, Carla C. Baan¹, Dennis A Hesselink¹

¹Erasmus MC, Netherlands, The; ²Chulalongkorn University, Thailand

ID: 277

The Well Described, but Often Overlooked Mycotoxin 3-Nitropropionic Acid (3-NPA)

Dr. Philip David Walson^{1,2}

¹University Medical Center Goettingen, Germany,; ²Department of Clinical Pharmacology

8:30am - 10:00am

Seminario Intersocietario (ECM): Anticorpi Monoclonali

Session Chair: **Antonello Di Paolo**

8.30 am: Saluti ed apertura dei lavori

8.35 am: Talk A: Anticorpi monoclonali nel crohn pediatrico. **Elena Bozzola**

8.50 am: Talk B: Impiego dei monoclonali in reumatologia pediatrica. **Gabriella Giancane**

9.05 am: Talk C: Impiego dei monoclonali nelle malattie infiammatorie intestinali dell'adulto. **Stefano Festa**

9.20 am: Talk D: Impiego dei monoclonali nel paziente adulto reumatologico. **Fabrizio Conti**

9.35 am: Talk E: TDM nei monoclonali: prospettive attuali e future. **Antonio D'Avolio**

9.50 am: Discussione

9.55 am: Considerazioni conclusive

Room D - Angelicum
Congress Centre

10:10am - 10:30am

Morning coffee & tea, exhibition and poster viewing

Angelicum Congress
Centre

10:30am - 12:00pm

Symposium 17: Young Scientist Committee Symposium 2021

Session Chair: **Laure Elens**

10.30 am: Talk 51: Social media, a tool for pharmacology education. **Picard Nicolas**

11.00 am: Talk 52: Bioassays for activity-based screening and functional characterization of New Psychoactive Substances. **Eline Pottie**

11.30 am: Talk 53: SimPHARM: a state-of-the-art simulation software to empower students. **Stephen Duffull**

Aula Magna -
Angelicum Congress
Centre

10:30am - 12:00pm

Symposium 18: Special Analytical evaluations in child/sexual abuse and in hospitalized patients

Session Chair: **Donata Favretto**

10.30 am: Talk 54: Delirium in hospital-admitted patients: is pharmaco-toxicological testing appropriate? **Philippe Hantson**

11.00 am: Talk 55: Child abuse: relevance of the tox lab. **Alberto Salomone**

11.30 am: Talk 56: DFSA-Sexual abuse. **Sabina Strano Rossi**

Room A - Angelicum
Congress Centre

10:30am - 12:00pm

Oral Session: TDM of biologic drugs

Session Chair: **Mario Regazzi**

Session Chair: **Antonello Di Paolo**

Room B - Angelicum
Congress Centre

ID: 389



The utility of Therapeutic Drug Monitoring to identify predictive factors associated to low drug levels and immunogenicity risk during therapy with Anti-Tnf Biological Agents

Dr. Raffaele Simeoli¹, Dr. Erminia F. Romeo², Dr. Valeria Ventura¹, Dr. Paola De Angelis², Dr. Fiammetta Bracci³, Dr. Daniela Knafelz³, Dr. Carlo Dionisi Vici¹, Dr. Bianca Maria Goffredo¹

¹Department of Pediatric subspecialties, Division of Metabolism, Bambino Gesù Children's Hospital-IRCCS, Rome, Italy.; ²Department of Surgery subspecialties, Digestive Endoscopy and Surgery Unit, Bambino Gesù Children's Hospital-IRCCS, Rome, Italy.; ³Department of Pediatric subspecialties, Hepatology Gastroenterology and Nutrition Unit, Bambino Gesù Children's Hospital-IRCCS, Rome, Italy.

ID: 317

One-year experience of therapeutic drug monitoring and pharmacogenetics in anti-TNF therapy

Dr. Stefania Cheli¹, Dr. Valeria Cozzi², Dr. Cristina Montrasio¹, Prof. Emilio Clementi^{1,2}, Dr. Dario Cattaneo¹

¹Unit of Clinical Pharmacology, ASST Fatebenefratelli Sacco University Hospital, Milan, Italy.; ²Clinical Pharmacology Unit, Consiglio Nazionale delle Ricerche Institute of Neuroscience, Department of Biomedical and Clinical Sciences L, Sacco University Hospital, Università degli Studi di Milano, Milan, Italy.

ID: 333

Evaluation of six population pharmacokinetic models of adalimumab in patients with inflammatory bowel disease in clinical practice

Silvia Márquez-Megías¹, Dr. Amelia Ramón-López^{1,2}, Dr. Patricio Más-Serrano^{1,2,3}, Marcos Díaz-González³, Dr. Ricardo Nalda-Molina^{1,2}

¹Miguel Hernández University of Elche, School of Pharmacy, Alicante, Spain; ²Alicante Institute for Health and Biomedical Research (ISABIAL), Alicante, Spain; ³General University Hospital of Alicante, Pharmacy Department, Clinical Pharmacokinetics Unit, Alicante, Spain.

ID: 215

The impact of anti-infliximab antibodies, infliximab, circulating IL-6 and soluble TNF α in patients with rheumatoid arthritis: a repeated measures study

Miriam Casellas-Gibert¹, Helena Colom-Codina^{2,3}, Xavier Juanola-Roura⁴, Ariadna Padullés-Zamora^{1,2}, F Javier Narvaez-García⁴, Jordi Bas-Minguet⁵, Francisco Morandeira-Rego⁵, Núria Padullés-Zamora^{1,2,3}

¹Department of Pharmacy, Hospital Universitari de Bellvitge-HUB; ²Pharmacotherapy, Pharmacogenetics and Pharmaceutical Technology Program, Institut d'Investigació Biomèdica de Bellvitge-IDIBELL; ³School of pharmacy, Universitat de Barcelona-UB; ⁴Department of Rheumatology, Hospital Universitari de Bellvitge-HUB; ⁵Department of Immunology, Hospital Universitari de Bellvitge-HUB

ID: 184

Simultaneous quantification of infliximab and adalimumab in human plasma by liquid chromatography-tandem mass spectrometry using ready-to-use kit and comparison with two ELISA methods

Dr. Camille Tron^{1,2}, Dr. Florian Lemaitre^{1,2}, Dr. Pauline Bros³, Dr. Claire Goulvestre⁴, Dr. Benedicte Franck^{1,2}, Dr. Sandrine Bagnos³, Dr. Romain Coriat⁵, Dr. Nihel Khoudour⁶, Dr. Dorothee Lebert³, Dr. Benoit Blanchet^{6,7}

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ID: 243

Is trough concentration the best pharmacokinetic parameter for real-world infliximab exposure evaluation?

Dr. Bénédicte Franck¹, Dr. Florian Lemaitre¹, Xavier Duval¹, Dr. Sébastien Lalanne¹, Dr. Marie-Clémence Verdier¹, Prof. Eric Bellissant¹, Prof. Guillaume Bouguen², Dr. Camille Tron¹

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19th INTERNATIONAL CONGRESS OF THERAPEUTIC DRUG MONITORING & CLINICAL TOXICOLOGY

Rome, Italy

19-22 SEPTEMBER 2021

ANGELICUM
CONGRESS CENTRE

10:30am - 12:00pm
Room C - Angelicum
Congress Centre

ID: 350

Validation of a population pharmacokinetic model of vedolizumab: application in clinical practice.

Marcos Díaz-González^{1,3}, Dr. Ricardo Nalda-Molina^{2,3}, Dr. Amelia Ramón-López^{2,3}, Seira Climent¹, Dr. Ana Gutierrez-Casbas³, Dr. Juan Selva^{1,2}, Josefa Boada¹, Silvia Márquez-Megías², Mari Luz Boquera^{1,2}, Dr. Patricio Más-Serrano^{1,2,3}

¹General University Hospital of Alicante, Pharmacy Department, Clinical Pharmacokinetics Unit, Alicante, Spain; ²Miguel Hernández University of Elche, School of Pharmacy, Elche, Spain; ³Alicante Institute for Health and Biomedical Research (ISABIAL), Alicante, Spain

Oral Session: Clinical Toxicology - 3

Session Chair: **Carlo Locatelli**

Session Chair: **Giampiero Frison**

ID: 377

Accidental intrathecal administration of vincristine: analytical data in a lethal case

Dr. Davide Lonati¹, Dr. Azzurra Schicchi¹, Dr. Valeria M Petrolini¹, Dr. Sara Negri², Dr. Elisa Roda¹, Dr. Teresa Coccini¹, Prof. Carlo Locatelli¹

¹Toxicology Unit, Pavia Poison Center-National Toxicology Information Centre, Clinical and Experimental Laboratory, IRCCS Pavia Hospital, Istituti Clinici Scientifici Maugeri, Pavia, Italy; ²Environmental Research Center, IRCCS Pavia Hospital, Istituti Clinici Scientifici Maugeri, Pavia, Italy

ID: 237

Identification of 3-methylmethcathinone and its metabolites with artificial intelligence and molecular networks.

Florian Stijven¹, Prof. Alain Gaston Verstraete^{1,2}

¹Department of diagnostic sciences, Ghent University; ²Department of laboratory medicine, Ghent university hospital, Belgium

ID: 210

Albumin isoforms and Serum enhanced binding (SEB) test for early Drugs Induced Liver Injuries (DILI) detection

Dr. Mohamed Ali Rahali^{1,2}, Roy Lakis², François Ludovic Sauvage², Prof. Franck Saint-Marcoux^{1,2}, Dr. Souleiman El Balkhi^{1,2}

¹CHU Limoges, France; ²University of Limoges, UMR1248, INSERM, France

ID: 385

Quantitative plasma concentrations in metformin-related metabolic acidosis

Dr. Azzurra Schicchi¹, Dr. Elisa Roda¹, Dr. Antonella Valli², Dr. Pietro Papa², Dr. Teresa Coccini¹, Dr. Davide Lonati¹, Dr. Valeria M Petrolini¹, Prof. Carlo Locatelli¹

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ID: 222

First report on in vivo toxicokinetics of Dichlorobisphenol A

Noémie Plattard^{1,2}, Dr. Sami Haddad¹, Dr. Antoine Dupuis^{2,3}, Dr. Nicolas Venisse^{2,3}

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ID: 245

Human biomonitoring: a proposal for a Global Biomonitoring Institute (GBI)

Prof. John Ibhagbemien Anetor, David W. Kinniburgh, Amy M. MacDonald

Alberta Center For Toxicology, Cumming School of Medicine, University of Calgary, Canada, Canada

ID: 189

Measurement of pesticide residues in bee products: a French study



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	Dr. Elies Zarrouk, Arnaud Gardère, <u>Dr. Souleiman El Balkhi</u>, Prof. Franck Saint-Marcoux Limoges University Hospital, France
12:30pm - 1:00pm Aula Magna - Angelicum Congress Centre	ThermoFisher workshop: Trends & perspectives of anti-epileptic drug therapies and therapeutic drug monitoring, from the clinical lab to the physician. Moderator: Dario Cattaneo - Professor at L. Sacco University Hospital - Speaker 1: Dr Karin Kipper - Head of Therapeutic Drug Monitoring Unit at Epilepsy Society - Speaker 2: Dr Sara Zagaglia - Honorary Clinical Assistant and Clinical Research Fellow at University College London Hospitals NHS Foundation Trust
12:30pm - 2:00pm Room B - Angelicum Congress Centre	Business meeting - TDM in Oncology Committee Coordinators: Gareth Veal
12:30pm - 2:00pm Room C - Angelicum Congress Centre	Business meeting - Toxicology and Environmental Health Committee Coordinators: Nicolas Venisse, David Kinniburgh
2:45pm - 3:30pm Aula Magna - Angelicum Congress Centre	Plenary lecture 4: Clinical importance and pharmacological utility of using biomarkers in diagnosis of dementia. Plenary Speaker: Manuela Neuman
3:30pm - 4:30pm Aula Magna - Angelicum Congress Centre	IATDMCT GENERAL ASSEMBLY
4:30pm - 4:45pm Aula Magna - Angelicum Congress Centre	Closing remarks