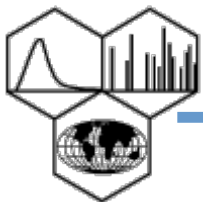


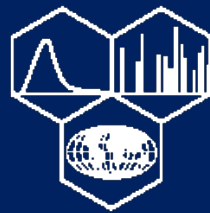
International Association of Therapeutic Drug Monitoring
Annual General Meeting | Wednesday, September 25, 2019

AGENDA

Agenda

- President
- President Elect
- Past-President
- Secretary
- Treasurer
- Communications Committee
- Scientific Committees





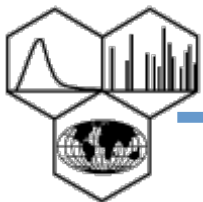
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President

Teun van Gelder

President Update

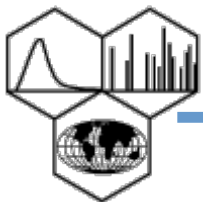
- IATDMCT congress:
- 2015 Rotterdam
- 2017 Kyoto
- 2018 Brisbane (surplus \$5,293.70)
- 2019 Iguazu
- 2020 Banff
- 2021 Rome
- 2022 Prague



Affiliated Memberships

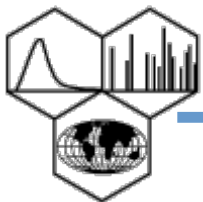
Already in place:

- JSTDM
- ACCP
- In progress: TTS



Topics to be discussed

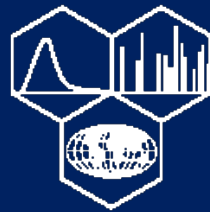
- Supporting members from developing countries
- Yearly or bi-yearly IATDMCT congress?
- How to reach new members?
- Elections



Elections

President-elect	130	Dario Cattaneo
Secretary	132	Maria Shipkova
Treasurer	130	Denise Anne McKeown
Directors Education	87	Deborah Marriott
	109	Markus Meyer
	98	Staffan Rosenborg
Councillors	113	Ryuji Kato
	117	Christophe Stove
	109	Nicolas Venisse
	92	Miao Yan





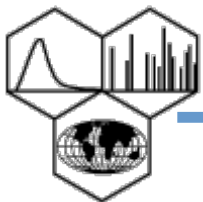
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Past-President

Loralie Langman

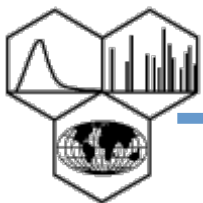
Awards Committee

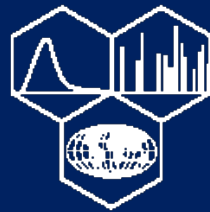
- Irving Sunshine Award
 - outstanding contributions to Clinical Toxicology
- Amadeo J Pesce, PhD



THANK YOU

- It has been my honour and pleasure to serve you all for the past 6y as President-Elect, President, and lastly as Past-President.
- We may be separated by geography but we are united by Science





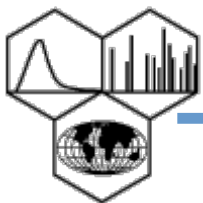
International Association of Therapeutic Drug Monitoring
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President-Elect Report

Yusuke Tanigawara

New Council of IATDMCT (term 2019-2021)

Position	Name
President	Yusuke Tanigawara
Past President	Teun van Gelder
President-Elect	Dario Cattaneo
Secretary	Maria Shipkova
Treasurer	Denise Anne McKeown
Director of Education	Deborah Marriott
Director of Education	Markus Meyer
Director of Education	Staffan Rosenborg
Councillor	Ryuji Kato
Councillor	Christophe Stove
Councillor	Nicolas Venisse
Councillor	Miao Yan



Future Congresses

18th IATDMCT Congress 2020

September 13-16, 2020, Banff, Alberta, Canada

Congress Chairs: David Kinniburgh and Penny Colbourne

19th IATDMCT Congress 2021

September 19-22, 2021, Rome, Italy

Congress Chairs: Mario Regazzi and Franco Locatelli

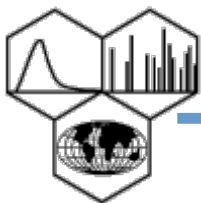
20th IATDMCT Congress 2022

September 18-21, 2022, Prague, Czech Republic

Congress Chair: Jan Strojil

21th IATDMCT Congress 2023 ?

Two proposals → Disclose at the Closing Ceremony

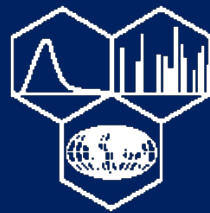


Venue of Banff Congress 2020



IATDMCT Congress Banff 2020





International Association of Therapeutic Drug Monitoring
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Secretary report

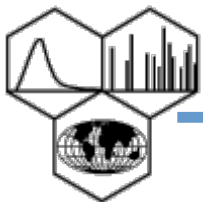
Maria Shipkova
Germany

Secretary Report

■ Membership Report

– Updated IATDMCT Membership Summary (as of August 31, 2019)

Type	Total 2018 (paid 2018/ 2019)	Total 2019 (paid 2019/ 2020)	
Full Member	292 (48%)	283 (47%)	
Young Scientist	225 (37%)	198 (33%)	
Junior Member	77 (13%)	99 (16%)	
Member Award	0	0	
Resigned	0	0	
Retired	12	15	
Honorary	6	6	
TOTAL	612	602	% Change -1.6 (vs. -7.8 in 2018)



Secretary Report

■ Loss Members/Country

2018

- China 28
- Japan 21
- Netherlands 13
- USA 7
- Canada 7

2019

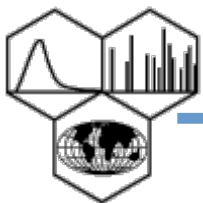
- India 23
- USA 13
- Netherlands 7
- Germany 7
- South Korea 5

■ Gain Members/Country

- India 17
- Australia 10
- Brazil 7
- Columbia 4

- China 14
- Brazil 13
- Malaysia 12
- Belgium 4

- 119/159 (75%) new members in 2019 are DC citizens



Secretary Report

Member-Get-A-Member Campaign 2019

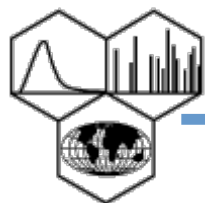
The Campaign started on January 1st and ended on August 31st, 2019.

The winners get free registration for the Brisbane Congress.

26 new members in total (29 in 2018)

Congratulations to:

Dr. Christoph Stove (Belgium)



Secretary Report

IATDMCT MEMBER-GET-A-MEMBER CAMPAIGN

As of August 30, 2019

Recruits	Name of Recruiter	Name of Recruittee
5	Christophe Stove	Lisa Delahaye (Junior member); Sigrid Deprez (Junior member); Lucía González (Junior member); Jose Restolho (Full member); Nick Verougstraete (Junior member)
4	Manuela Neuman	Daniel Beriault (Full member); Benjamin Jung (Full member) Serguei Likhodi (Full member); Andrew Lyon (Full member)
4	Yosuke Suzuki	Makoto Kai (Junior member); Hiroki Takashima (Junior member); Yui Yamamoto (Junior member); Atsushi Wakita (Young Scientist)
3	Rafael Linden	Ana Luiza Ziulkoski (Developing country); Mariza Insaurralde (Developing country); Siomara Regina Hahn (Developing country)
1	Jan-Willem Alffenaar	Herman Veehof (Junior member)
1	Kamisha Johnson-Davis	Carmen Gherasim (Full member)
1	Loralie Langman	Randal Schneider (Full member)
1	Nuria Padulles-Zamora	Miriam Casellas-Gibert (Junior member)
1	Paula Schaiquevich	Cecilia Maldonado (Developing country)
1	Yusuke Tanigawara	Naoki Yoshikawa (Young scientist)
1	Daniel Touw	Herman Veehof (Junior member)
1	Natacha Valois	Michael Zader (Full member)
1	Gareth Veal	Philip Berry (Young scientist)
1	Nicolas Venisse	Corinne Charlier (Full member)



Secretary Report

International Travel Grant

Grants Awarded to Financially Support Travel to the IATDMCT Congress

Name	Country
Guillaume Binson	France
Paula Melipillán Figueroa	Chile
Brenda Marisol del Valle Monge	Guatemala
Georgios Schoretsanitis	Switzerland



Secretary Report

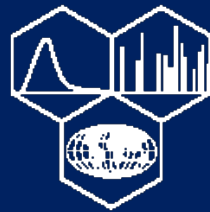
Affiliate Membership 2019

- Collaboration of IATDMCT is **with a selected group of affiliated scientific societies that share its aims particularly on a national level.**
- Members of affiliated societies may join IATDMCT and enjoy the **full function of IATDMCT membership benefits with reduced IATDMCT dues.**
- First contract partner: JATDM

Name	City
Toshimi Kimura	Shinjuku, Tokyo
Akiko Kuwahara	Nishinomiya
Satohiro Masuda	Tokyo
Masahiro Okuda	Suita, Osaka
Yuko Shimamoto	Suita
Yoshiharu Suzuki	Tsukuba
Takaaki Yamada	Fukuoka
Kazuhiro Yamamoto	Kobe

- The IATDMCT looks forward to expanding the network with other societies with similar visions and interests in Therapeutic Drug Monitoring and Clinical Toxicology to foster personalized medicine worldwide. **Scientific societies interested in this form of collaboration can contact info@iatdmct.org for more details.**





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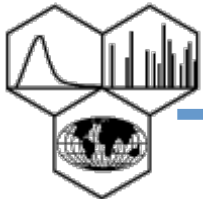
Treasurer Report

Denise A McKeown

Forensic Medicine and Science, University of Glasgow
Glasgow, UK

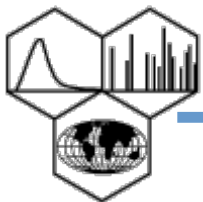
2018 Financials Overview

- 2018 Revenue: **\$296,446**
 - TDM Journal Royalties: \$250,545
 - Membership Fees: \$37,607
 - Awards Revenue: \$3,000
 - 2018 Congress Surplus: \$5,294 (net surplus ~\$16,000)
- Expenses: **\$209,634**
 - TDM Journal Related: \$148,524
 - Administrative Expenses: \$29,757
 - Membership Services: \$31,353
- Surplus: **\$86,812**



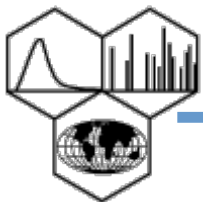
2018 Financials: Administration Expenses

- Administration Expenses: **\$29,757**
 - Management Fee: \$15,000.00
 - Telecommunications: \$1,344
 - Administration Expenses: \$13,413



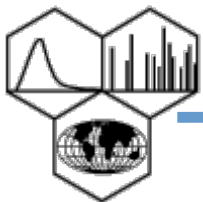
2018 Financials: Membership Services Expenses

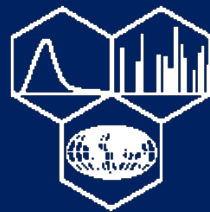
- Membership Services Expenses: **\$31,353**
 - Website: \$5,546
 - IATDMCT Compass: \$4,670
 - Award Winners: \$4,225
 - Member Recognition: \$85
 - International Travel Grants: \$12,000
 - Meetings: \$2,744
 - Education & Membership: \$1,933
 - Sundry Expenses: \$150



2018 Financials: Summary

- IATDMCT Assets
 - Remain strong
- Queries / Questions Contact
 - denise.mckeown@glasgow.ac.uk





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Communications Committee

Kamisha Johnson-Davis (Chair)
Salt Lake City, UT, USA

Ofelia Noceti (Vice-Chair)
Montevideo, Uruguay

Paula Schaiquevich
Buenos Aires, Argentina

Franck Saint-Marcoux
Limoges, France

Edgar Spencer
England, UK

Maria Shipkova
Stuttgart, Germany

Eberhard Weiland
Stuttgart, Germany

Alain Verstraete
Gent, Belgium

Denise McKeown
Glasgow, UK

Manuela Neuman
Toronto, Canada

Ryuji Kato
Osaka, Japan

Olga Millan Lopez
Barcelona, Spain

Violette Gijzen
Rotterdam, The Netherlands

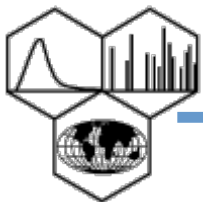
Jana Stojanova
Valparaiso, Chile

Natalia Riva
Argentina

Louise Andrews
The Netherlands

Communications Committee Update

- Communicate IATDMCT news & scientific news to members and non-members.
- Monitor activity on social media platforms
- Stay up-to-date with Social Media platforms as they emerge & evolve
- Review all communication information published and posted to social media
 - Compass, E-News, Blog, Congress announcements,
 - Website updates, Educational Resources and TDM Adverts



Compass Quarterly Newsletter

Compass Team has done an outstanding job during 2015-2019!

Associate Editor



Edgar Spencer
England, UK

Editor-in-Chief



Paula Schaiquevich
Buenos Aires, Argentina

Associate Editor



Franck Saint-Marcoux
Limoges, France

New Compass Editors:

Natalia Riva, Argentina & Louise Andrews, NL



IATDMCT E-News (monthly) & Blog

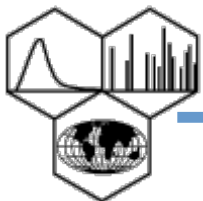
- Purpose: Latest topics & news communicated via e-mail to members

Topics: Office news, Congress updates, advertisements, new report of academic activities of members from the Scientific Committees, blog

- Co-Editors: Manuela Neuman & Ryuji Kato

- **Blog (15 Interviews + 4 highlights)**

- Post: interviews with IATDMCT members and news highlights
- Author: Jana Stojanova

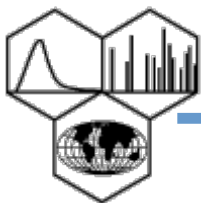
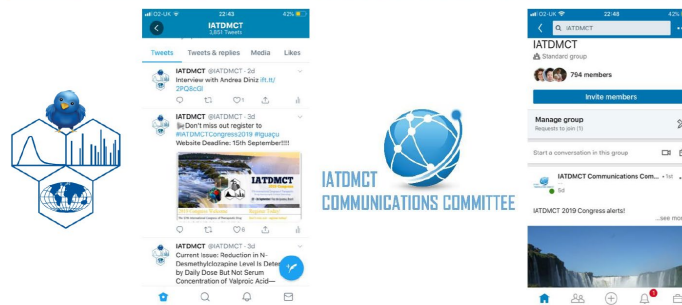


TDM Journal Adverts (every issue)

- Purpose: Advertising to promote IATDMCT activities

Adverts: Social Media Reminders, Membership Promotion and benefits, Congress Invitations with important dates, program, symposia & Scientific Committees, Award Winners

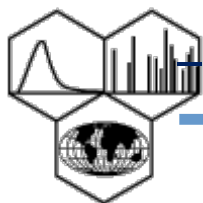
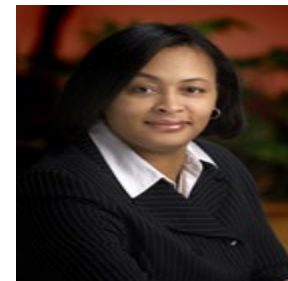
- Manager: Denise A McKeown & Office Design Support



IATDMCT Social Media Team



- **Twitter (1125 followers today vs. 753 in 2017)**
 - Purpose: real time information on the latest topics
 - Manager: Olga Millan Lopez
- **LinkedIn (796 members vs 763 in 2017; 192 contacts)**
 - Purpose: interactive scientific discussion & relevant events
 - Managers: Maria Shipkova / Ofelia Noceti
- **Facebook IATDMCT account (212 followers & 198 likes)**
 - Purpose: informal platform to communicate scientific news
 - Manager: Kamisha Johnson-Davis



IATDMCT Website & Educational Resources

Website

Website updates & content reorganization

- Webmaster: Alain Verstraete, Belgium
- Deputy Webmaster: Vacant

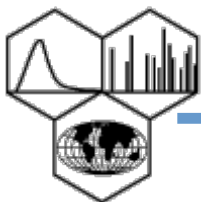


Directors of Educations – select content material for website

Announcements of new content are made in the E-News

- Katharina Rentsch, Switzerland
- Erik van Maarseveen, The Netherlands
- Staffan Rosenborg, Sweden

Videos from regional meeting in India
Selected lectures from Kyoto Congress
2018 Congress in Brisbane
Coordination of 2019 Congress Materials

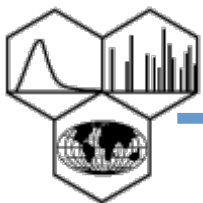


IATDMCT Congress 2019 Foz do Iguassu



- **CC roles covering**

- Twitter → Denise Mc Keown
 - LinkedIn → Maria Shipkova
 - Facebook → Kamisha Johnson-Davis
 - Blog → Jana Stojanova
-
- Post your news, events & hot topics in IATDMCT social Media
 - Tweet @IATDMCT on Twitter
 - **#IATDMCT2019**
 - #TDM
 - #CT



Recruitment for CC Committee

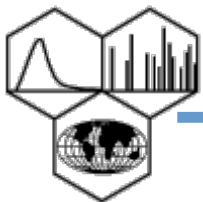
We are in need of more members to serve on the communications committee

Questions – please contact Kamisha Johnson-Davis

- kamisha.davis@hsc.utah.edu

Thank you!

- Local Organizing Committee (Rafael Linden and Marina Venzon Antunes)
- IATDMCT Council
- Communication Committee Team
- IATDMCT Office





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Alternative sampling strategies Committee

Jan-Willem Alffenaar, PhD, PharmD, Clinical Pharmacologist (Chair)

University Medical Center Groningen

University of Groningen, Groningen, The Netherlands

Christophe Stove, PhD (Vice-Chair)

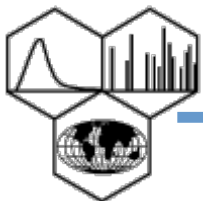
Laboratory of Toxicology, Department of Bioanalysis, Faculty of Pharmaceutical

Sciences, Ghent University, Ghent, Belgium

Committee Membership

■ Current Members

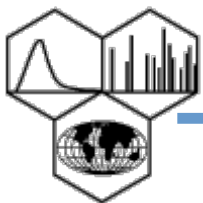
- Jan-Willem Alffenaar
- Christophe Stove
- Yngve Berqvist
- Michael Boettcher
- Begoña Delgado-Charro
- Pleasant Hooper
- Brian Keevil
- Rafael Linden
- Jan Gerard Maring
- Roland Meesters
- Leo Stolk
- Birgit Koch
- Constantinos Pistos
- Remco Koster



Activities

■ DBS Guideline (published)

- This guideline defines key elements necessary for the validation of dried blood spot analysis.
- Guidance and criteria are given on the application of these validated methods in the routine analysis of
 - non-regulatory study samples from animal and human studies
 - samples from routine TDM.

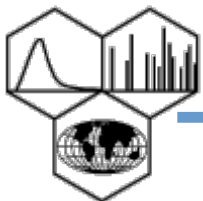


Activities

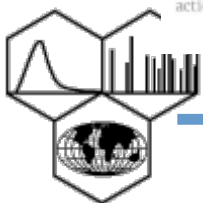
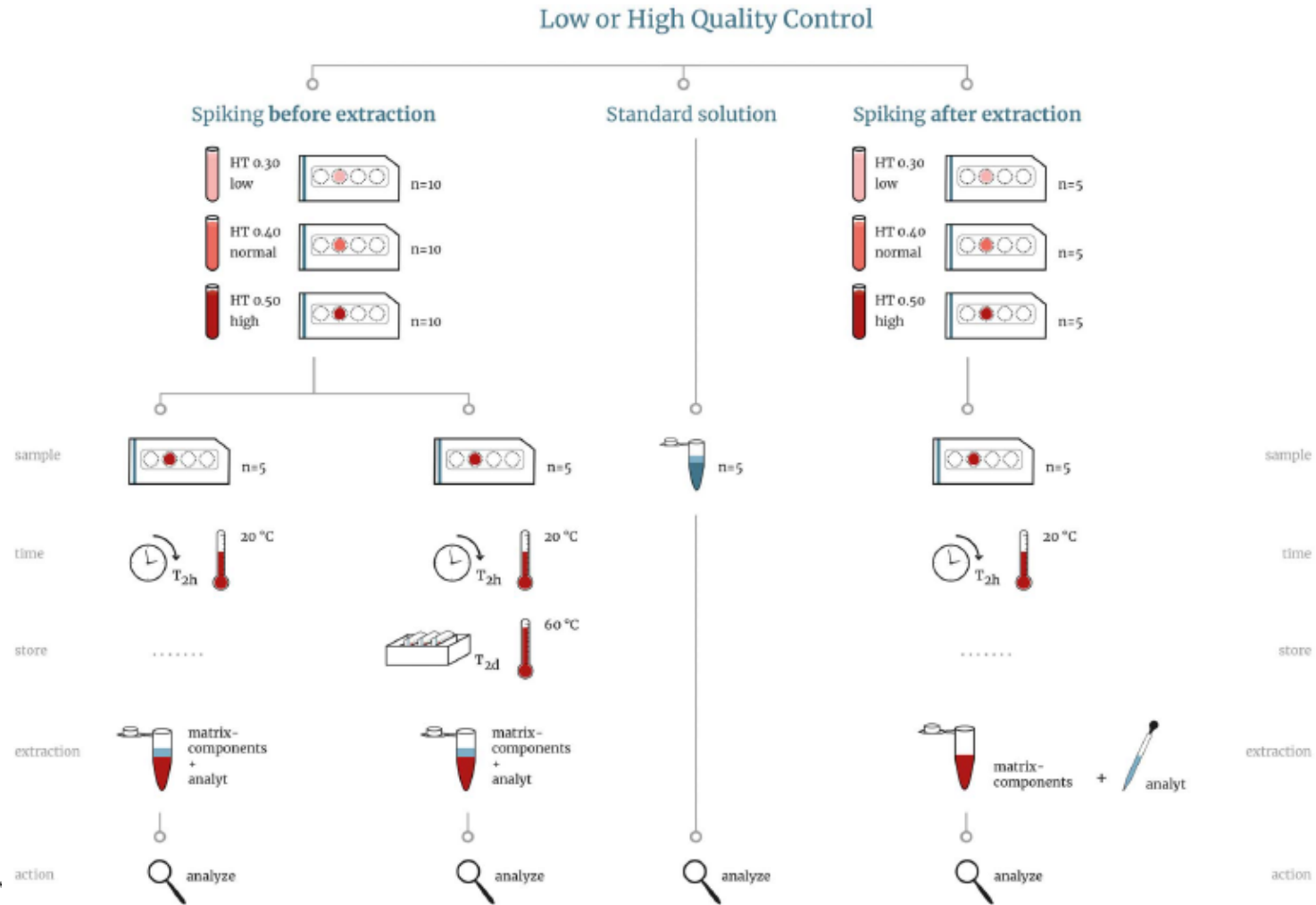
REVIEW ARTICLE

Official International Association for Therapeutic Drug Monitoring and Clinical Toxicology Guideline: Development and Validation of Dried Blood Spot–Based Methods for Therapeutic Drug Monitoring

Sara Capiou, PharmD, Herman Veenhof, PharmD,† Remco A. Koster, PhD,†‡ Yngve Bergqvist, PhD,§
Michael Boettcher, PhD,¶ Otto Halmingh, MSc,|| Brian G. Keevil, PhD,** Birgit C.P. Koch, PhD,††
Rafael Linden, PhD,‡‡ Constantinos Pistos, PhD,§§ Leo M. Stolk, PhD,¶¶ Daan J. Touw, PhD,†|||
Christophe P. Stove, PhD,* and Jan-Willem C. Alffenaar, PhD†***†††*



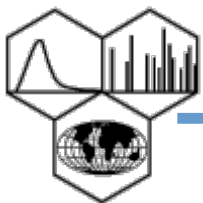
Schematic set-up of the experiments needed to assess the robustness of the extraction procedure and short-term stability.



Publications

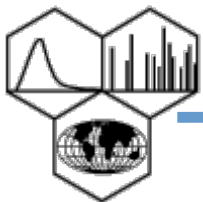
■ Compass

- Dec '18 edition: Dried blood sampling for TDM of anti-epileptics by Sofie Velghe and Christophe Stove. Laboratory of Toxicology, Faculty of Pharmaceutical Sciences, Ghent University, Belgium
- Sept '19 edition: A practical guide on building and validating a Dried Blood Spot based method for TDM by the Alternative Sampling Strategies Committee



Output

- Peer reviewed papers related to alternative sampling:
 - n= 22





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Immunosuppressive Drug Scientific Committee

Co-Chairs

Deborah JE Marriott, Australia

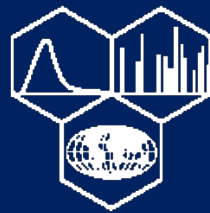
Dario Cattaneo, Italy

Committee Members

Natalia Rakhman, Ken Kasper, Charles Peloquin, Michael Neely, Jan-Willem Alffenaar, Roger Bruggeman, David Burger, Rafael Linden, Mariadelfina Molinaro, Carsten Mueller, Jason Roberts, Abdullah Saleh Sultan , Gauri Rao, Sumith Matthews, Cindy Lau, Anders Asberg, Erik Eliasson

New members

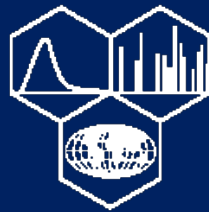
Birgit Koch, Danijela Kocic, Paul Chin, Indy Sandaradura



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Major publication initiatives of the Anti-Infectives group

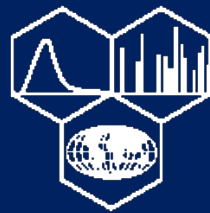
- 1. TDM can improve linezolid dosing regimens in current clinical practice: a systematic review. Rao G, Konicki R, Cattaneo D, Marriott D, Neely M. In press.**
- 2. Consensus Guideline on Antimicrobial TDM in Critically Ill Patients. In press**



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Compass submissions

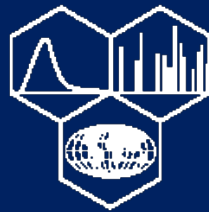
- 1. December 2018. Dario Cattaneo. Clinical pharmacokinetics of cabotegravir, a long-acting HIV integrase strand transfer inhibitor**
- 2. September 2019. Deborah Marriott. The long and winding road: how a microbiologist and infectious diseases physician became an international councilor for IATDMCT**



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ECCMID 2019 Pre-Conference PK/PD workshop

- **sold-out workshop – over-subscribed two-fold with additional places opened**
- **majority of speakers were members of IATDMCT**
- **to be repeated in 2020 due to success of the programme**



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Sessions at IATDMCT ASM 2019

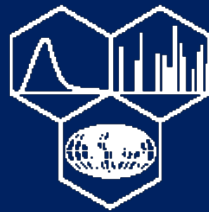
- **Clinical use of PK/PD for individualization of antibiotic therapy. Birgit Koch.**
- **Anti-infective agents and therapeutic drug monitoring: the ultimate precision medicine when no two patients are alike. Danijela Kocic, Jan-Willem Alffenaar, Miao Yan.**
- **Not just tuberculosis: the therapeutic challenge of acid-fast organisms. Deborah Marriott, Michael Neely, Jan-Willem Alffenaar**
- **Oral presentation session**



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Scientific contribution

- **Members of the anti-infectives committee have over 100 publications in refereed journals in the last 12 months**
- **Presentations at over 30 national and international conferences**
- **12 regular reviewers for peer-review journals**



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Future activities

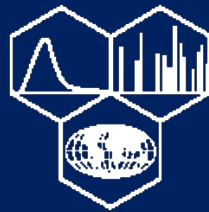
- **Regional anti-infectives TDM conference to be organized under auspices of IATDMCT. Planned for Penang, Malaysia in February 2021**
- **Possibility of regional meeting in India to be explored**
- **Seek opportunities for affiliation with other appropriate societies**



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Future activities

- **Submit proposals for 2020 ASM**
- **Continue contributions to Compass**
- **Update IATDMCT website**
- **New social media team appointed to support Communication group**



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Committee Name

Committee: Clinical Toxicology and Drugs of Misuse

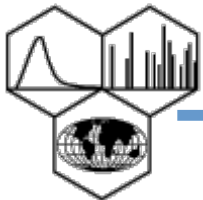
Chair: Professor Manuela Neuman
University of Toronto, Canada

Vice Chair: Professor Katharina Rentsch
Universitätsspital Basel, Klinische Chemie, Basel

Past Chair: Professor Vanessa Steenkamp
Deputy Dean, University of Pretoria, South Africa

MEMBERS

- **Professor Dr. Hans H. Maurer**, University of Saarland , Germany
- **Dr Frank Peters**, Institute of Forensic Medicine, Friedrich Schiller University of Jena
- **Dr Gwendolyn McMillin**, University Pathologists Laboratories, Salt Lake City
- **Dr Amanda Jenkins**, University of Massachusetts, MA
- **Dr Pascal Kintz**, Laboratoire ChemTox, France
- **Professor Alain Verstraete**, Ghent University Hospital, Ghent
- **Professor Daan Touw** , University Medical Center Groningen, Netherlands
- **Professor Dr Olaf Drummer**, Monash University, Australia
- **Professor Kamisha Johnson-Davis**, University of Utah, Salt Lake City
- **Professor Amitava Dasgupta**, University of Huston, Texas



MAMBERS

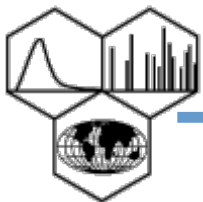
- **Professor Dr. Marilyn A. Huestis**, Consultant Baltimore, USA
- **Professor Eric Franssen**, The Netherlands
- **Professor Saeed A. Jortani**, University of Louisville, USA
- **Professor Constantines Pistos**, West Chester University, PA, USA
- **Professor Dr. Tai C. Kwong**, University of Rochester Medical Center, USA
- **Dr. John F. Wilson**, Cardiff Bioanalytical Services Ltd , Wales, UK
- **Professor Dr. Steven Wong**, Wake Forest University, Winston-Salem NC, USA
- **Professor Loralie Langman**, Mayo Clinic, Rochester, USA
- **Prof. Shusen Sun**, Western New England University, Springfield, MA, USA
- **Dr. Marike Sturkenboom**,, University Hospital, Groningen, Nederland
- **Dr. Cristiana Stefan**, Centre for Addiction and Mental Health, Toronto, Canada
- **Prof. David Kinniburgh**, University of Calgary, Canada
- **Professor Franck Saint-Marcoux**, Limoges University Hospital, France
- **Prof. Minodora Dobreanu** , University of Targu Mures, Romania



NEW MEMBERS

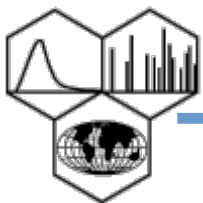
- **Prof. Daniel Kurnik**, Rambam Medical Center, Technion, Haifa, Israel
- **Dr. Daniel Sundar**, Baid Metha College of Pharmacy , Chennai, India.
- **Dr. Peter Zweipfenning**, The Neetherlands
- **Dr. Daniel Beriault**, Saint Michel Hospital, Toronto, Canada
- **Dr. Serguei Likhodi**, BC Provincial Health Authority, Vancouver, Canada
- **Dr. Benjamin Jung**, Sick Kids Hospital, Toronto, Canada
- **Professor. Andrew Lyon**, University of Calgary, Calgary, Canada

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PURPOSE

- To promote the discipline of Clinical Toxicology within the IATDMCT by:
 - Developing practice guidelines, in particular fields of clinical toxicology/drugs of misuse;
 - Publishing scientific and professional articles in the field of clinical toxicology;
 - Writing for Compass;
 - Being active in IATDMCT
 - Holding workshops/symposia at the IATDMCT Congress and other scientific Meetings







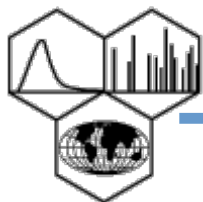
 **BRISBANE
convention
& exhibition
CENTRE**





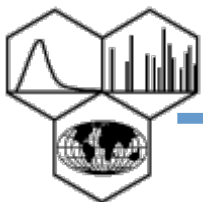
COMPASS

- **2018- March:** KRATOM – IS IT A CURE FOR OPIOID ADDICTION AND CHRONIC PAIN OR IS IT A DANGEROUS DRUG? Kamisha L. Johnson-Davis. University of Utah, Utah, USA
 - **June:** CLINICAL TOXICOLOGY AT THE INTERFACE BETWEEN NOVEL DRUGS OF ABUSE AND NOVEL TECHNOLOGIES Cristiana Stefan, Centre for Addiction and Mental Health, Toronto, ON, Canada
 - **September:** CANNABIS CONTROVERSY IN EPILEPSY. Manuela G. Neuman. In Vitro Drug Safety and Biotechnology, University of Toronto, Toronto, Canada
- 2019
- **Is Gabapentin (Neurontin) Misuse on your radar?** Kamisha L. Johnson-Davis. University of Utah, Utah, USA
 - **Alcohol, Nutrition, Microbiota and Liver Damage.** Manuela G. Neuman. In Vitro Drug Safety and Biotechnology, University of Toronto, Toronto, Canada
 - **The Poisoned Patient: How to Communicate with Clinicians and Guide Further Testing-** Amitava Desgupta, University of Huston, Texas



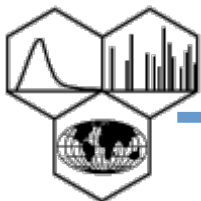
MEMBERS: CONTRIBUTION- 2019

- A. J. Jenkins: Toxicological Findings in Driving Under the Influence Cases in North East Ohio: A 6 Year Study. 71st Annual Meeting of the American Academy of Forensic Sciences, Baltimore, MD.
- *Prof. A. Verstraetae received Sunshine Award*
- *Prof. Maurer and Prof. Verstraetae were invited speakers at the RACC.*
- Prof Maurer is an invited Plenary and symposium speaker at the IATDMCT meeting, he gave a one week course on Clinical & Forensic Toxicology, Campinas University, Brazil, is also Editor of the Issue, "New Psychoactive Substances", of the "Handbook of Experimental Pharmacology"



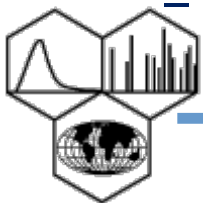
MEMBERS: SCIENTIFIC CONTRIBUTION

- *Prof. David Kinnisburgh is heading the IFCC. He presented at EUROLAB and is an invited speaker the IATDMCT*
- Prof. L. Langman organized symposium on Clinical Toxicology at CSCC
 - Editor of Clinical Biochemistry
- Kamisha Johnson-Davis is the Vice-chair for the Clin. Chemistry and Toxicology expert panel for the Clin. & Laboratory Standards Institute and co-director Clin. Chemistry Fellowship Program, University of Utah,
 - 1. Johnson-Davis KL. (2018) Opiate & benzodiazepine confirmations: to hydrolyze or not to hydrolyze is the question. JALM 2(4), 564-572.
 - 2. Smith KA, Merrigan SD and Johnson-Davis KL. (2018) Selecting a structural analog as an internal standard for the quantification of 6-methylmercaptopurine by LC-MS/MS. JALM 3(3):384-396



MEMBERS: SCIENTIFIC CONTRIBUTION

- **Prof. Eric J.F. Franssen**, Pharm.D., Ph.D, is planning to organize two symposia on toxicology (clinical and post mortem toxicology and education) at IATDMCT meeting.
- *Dr. Cristiana Stefan* presented at the 71st AACC Annual Scientific Meeting, 4-8 August, Anaheim, CA, USA and has an oral presentation at the IATDMCT at Foz do Iguaco.
- *Prof. Minodora Dobreanu* co-organized the RACC in June, Romania
- *Prof. Manuela Neuman* organized several meetings and wrote scientific papers
 - 4th International Conference on Alcohol and Cancer, Newport, US;
 - Dermatology and Venerology Association Meeting, Eilat Israel;
 - 10th Symposium on Alcohol and Organ Damage, June 22, Minneapolis, US.



SESSIONS -

September 25 th: **Clinical Toxicology**, 7:45-8:45

Immunotoxicity: drug-induced and herbal-induced hypersensitivity reactions (*M. Neuman*)

Oxidative Stress and Inflammation in Kidney Transplantation. The effect of immunosuppression (*E. Wieland*)

■ **Environmental Toxicology**, "Lead: The human risk from drinking water, (*D. Kinniburgh*)

■ *C. Stefan and K. Johnson Davis have also oral presentations (Sept 26)*



SYNPOSIA –ORAL PRESENTATIONS

Clinical Toxicology September 26 (8:45-10)

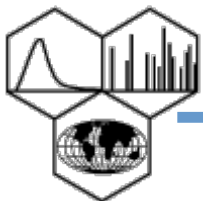
1. Emergencies in Toxicology

Scorpion envenomation in South America. *F Bucaretschi*

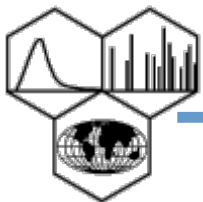
Acute Intoxications: taking clinical decisions before laboratory results. *E. Mello de Capitani.*

Analytical Strategy for Effective 24/7 ClinTox Services - From Screening to Simplified Blood Level Assessment. *Hans H. Maurer*

- Specialty Toxicology Investigation: Identification of AMB-FUBINACA following a hospital medical emergency – C. Stefan
 - Sept 25, 8:45-10:30



THANK YOU





International Association of Therapeutic Drug Monitoring
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Immunosuppressive Drug Scientific Committee

- **Mercè Brunet (Chair)/Stein Bergan (Vice-Chair)**

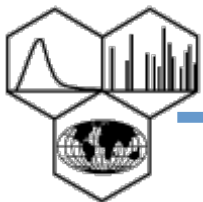
Hospital Clinic of Barcelona. Barcelona, Spain/Oslo University Hospital. Oslo, Norway.

- **Committee Members**

Barten, Markus; Billaud, Eliane; Budde, Klemens; Christians, Uwe; Elens, Laure; van Gelder, Teun; Hesselink, Dennis A; Holt, David; Johnson-Davis, Kamisha- L; Kunicki, Pawel; Langman, Loralie; Lemaitre, Florian; MacPhee, Iain; Marquet, Pierre; Mason, Donald S; Masuda, Satohiro; Mathew, Binu S; Millán, Olga; Milone, Michael; Moes, Dirk-Jan; Morris, Ray; Noceti, Ofelia; Oellerich, Michael; Pawinski, Tomasz; Seger, Christoph; van Schaik, Ron; Shaw, Leslie; Shipkova, Maria; Taylor, Paul; Vethe, Nils Tore; Vinks, Sander; Wallemacq, Pierre; Wieland, Eberhard.

Background & Purpose

- To provide evidence-based recommendations for TDM of immunosuppressive agents
- To promote the knowledge and understanding of immunosuppressive drug analysis and interpretation of results
- To enhance communication between scientists and physicians of all disciplines involved in TDM of immunosuppressive drugs
- To encourage the effective application of TDM in transplant medicine, with the aim of optimizing clinical drug use and maximizing the clinical and economic benefits



Committee Achievements for 2018-2019

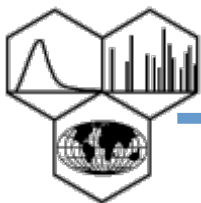
■ Consensus Documents

Therapeutic Drug Monitoring of Tacrolimus-Personalized Therapy: Second Consensus Report

*Mercè Brunet, PharmD, PhD,¹ Teun van Gelder, MD, PhD,² Anders Åsberg, PhD,³
Vincent Haufroid, PharmD, PhD,^{4,5} Dennis A. Hesselink, MD, PhD,⁶ Loralie Langman, PhD,⁷
Florian Lemaître, PharmD, PhD,⁸ Pierre Marquet, MD, PhD,⁹ Christoph Seger, PhD,¹⁰
Maria Shipkova, MD,¹¹ Alexander Vinks, PharmD, PhD,^{12,13} Pierre Wallemacq, PharmD, PhD,¹⁴
Eberhard Wieland, MD,¹¹ Jean Baptiste Woillard, PharmD, PhD,¹⁵ Markus J. Barten, MD,¹⁶
Klemens Budde, MD, PhD,¹⁷ Helena Colom, PharmD, PhD,¹⁸ Maja-Theresa Dieterlen, MD,¹⁹
Laure Elens, PhD,²⁰ Kamisha L. Johnson-Davis, PhD,²¹ Paweł K. Kunicki, PhD,^{22,23}
Iain MacPhee, MD,²⁴ Satoshiro Masuda, PhD,²⁵ Binu S. Mathew, MD,²⁶ Olga Millán, PhD,¹
Tomoyuki Mizuno, MD,^{12,13} Dirk-Jan A. R. Moes, PharmD, PhD,²⁷ Caroline Monchaud, PharmD, PhD,¹⁵
Ofelia Noceti, PharmD, PhD,²⁸ Tomasz Pawinski, PhD,²³ Nicolas Picard, PharmD, PhD,¹⁵
Ron van Schaik, MD,²⁹ Claudia Sommerer, MD,³⁰ Nils Tore Vethe, PhD,³¹
Brenda de Winter, PharmD, PhD,³² Uwe Christians, MD, PhD,³³ and Stein Bergan, PhD³¹*

Ther Drug Monit 2019; 41: 261-307.

Participants: practically *all* members of the Immunosuppressive Drugs Committee and some members of the Pharmacogenetics and Pharmacometrics Committees; 37 expert authors from 28 International Referent Centers in Transplantation. Coordinators: Mercè Brunet and Stein Bergan.



Committee Achievements for 2018-2019

■ Participation in Symposia and workshops

- **IATDMCT Congress, Brisbane 2018.** Active participation in symposia (1, 2, 5, 14, 16) and contributed papers.

- **EUROMEDLAB 2019 Congress, SECQ /Joint Scientific Meeting in Barcelona.**

Symposium on Personalized Immunosuppression to improve clinical outcomes:

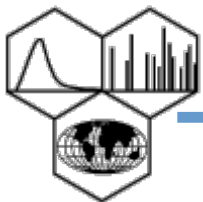
Monitoring tacrolimus intracellular concentrations, would it help better predicting graft clinical outcome? , F. Lemaitre

Pharmacogenetic Biomarkers Predictive of the Pharmacokinetics and Pharmacodynamics of ISDs, T. van Gelder

The role of Biomarkers in Solid Organ Transplantation, M. Brunet

Dissemination of the Therapeutic Drug Monitoring of tacrolimus-personalized Therapy: Second Consensus Report.

Chairs: T. van Gelder and M. Brunet



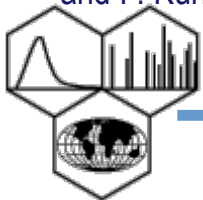
Committee Achievements for 2018-2019

■ Participation in Symposiums and workshops (II)

- IATDMCT Symposium at the 15th Annual Congress of the DGKL “Laboratory medicine – the foundation for diagnosis and treatment”, 26-29 September 2018, Mannheim, Germany. Lecture: *TDM of tacrolimus updated: introducing a new IATDMCT consensus document (Analytical Section)*, M. Shipkova. Chairs: C. Seger and M. Shipkova.
- IATDMCT Symposium at the 5th EFLM-UEMS European joint Congress “Laboratory Medicine at the clinical Interface”. Lecture: *Therapeutic drug monitoring in transplant patients*, E Wieland. October 2018.

■ Active participation in the Compass

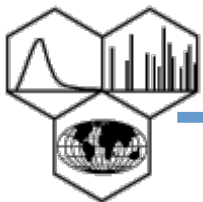
- First report, *Insight miRNAs as Biomarkers in Clinical Transplantation* by O. Millán & M. Brunet, published in COMPASS Issue 2, June 2018.
- Second report, *Therapeutic drug monitoring of Mycophenolic acid products: Evidence and Knowledge gaps, laboratory and clinical experience* by T. van Gelder, published in COMPASS Issue 4, November 2018.
- Third report, *The generic formulations of immunosuppressive drugs and the role of TDM. The questions still actual* by T. Pawinski and P. Kunicki, published in COMPASS Issue 2, June 2019.



Committee Achievements for 2018-2019

- **Educational Activities**

- Preparation and posting of educational materials on the Resources area of the IATDMCT website: a list of the most relevant Review articles/Consensus documents with contribution of our Committee members, published between 2017 and 2019, has been posted in the Resources area of the web. Participants: M. Shipkova and some members of the ISDs Committee.



Working Groups Achievements for 2018

○ The Biomarker Working Group*

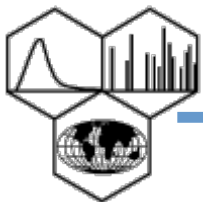
Contribution of manuscript “Pharmacodynamic Monitoring of mTOR inhibitors” to *Therapeutic Drug Monitoring Focus Issue*. Participants: O. Millan, P. Marquet, E. Wieland, M. Brunet. Lead: M. Shipkova. *Ther Drug Monit* 2019.

*Leader: Uwe Christians

○ The Intracellular tacrolimus measurement Working Group*

Measuring intracellular concentrations of immunosuppressive drugs: recommendations from the IATDMCT expert panel for calcineurin inhibitors. Participants: N.T. Vethe, A. D’Avolio, C. Tron, I. Robertsen, B. De Winter, A. Denicolo, Birgit Koch, T. Van Gelder, M. Brunet, S. Bergan, D. Hesselink, and P. Wallemacq. Manuscript Submitted to TDM, in process of revision.

* Leader: Florian Lemaitre



Committee Achievements for 2018

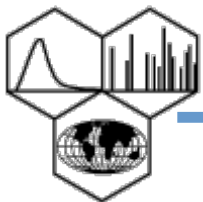
- **Standardization of ISDs TDM Working Group**

The IFCC-WG-ID Meeting in EuromedLab in Barcelona, May 2019, was fruitful and some of the initiatives discussed at the meeting in Barcelona were:

- to create a joint committee between the IATDMCT and the IFCC.
- participants in this project may contribute to a manuscript on Standardization of ISDs TDM.

Participants of ISDs Committee: T. Pawinski, P. Kunicki, M. Shipkova, E. Wieland, M. Brunet, T. van Gelder

*Leaders: Christoph Seger & Loralie Langman (and Co-Chairs of the IFCC Working Group for the Standardization of ISDs.





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Pharmacogenetics Committee

Vincent Haufroid (chair)

University of Louvain, Brussels, BE

Iain McPhee

St George's University London, UK

Tsuyoshi Fukuda

Cincinnati children's Hospital, USA

Nicolas Picard (vice chair)

Limoges University Hospital, FR

Ron van Schaik

Erasmus MC Rotterdam, NL

Steven Wong

Wake Forest School of Med., USA

Teun van Gelder

Erasmus MC Rotterdam, NL

Laure Elens

University of Louvain, Brussels, BE

Jana Stojanova

University of Valparaiso, Chile

Mark Linder

University of Louisville, USA

Stein Bergan

Oslo University Hospital, NO

Andrew Somogyi

University of Adelaide, Australia

Werner Steimer

Technische Universitat Munchen, GER

Jesse Swen (chair elect)

Leiden University MC, NL

Recent activities

- Publications in TDM journal

Haufroid V and **Picard N** (2019) Pharmacogenetics biomarkers predictive of drug pharmacodynamics as an additional tool to therapeutic drug monitoring (invited editor: Shipkova M). *Ther Drug Monit*, 41: 121-130.

Haufroid V, Hesselink D, **Elens L**, **MacPhee I**, Masuda S, **Picard N**, **van Gelder T**, **Van Schaik R** (2019) Contribution to the “pharmacogenetic chapter” for the second consensus report on Tacrolimus TDM (invited editors: Brunet M and Bergan S). *Ther Drug Monit*, 41: 261-307.

- Contribution in IATDMCT compass

Picard N and **Haufroid V** on behalf of the Pharmacogenetics Committee. Physician and pharmacist awareness and education about pharmacogenetics: The next challenge for clinical implementation? *IATDMCT Compass December 2018*: 9-10

Haufroid V and **Picard N** on behalf of the Pharmacogenetics Committee. Genotyping versus Phenotyping: The case of fluoropyrimidines. *IATDMCT Compass June 2019*: 9-10



Recent activities

- Organization of the PGx session in Foz do Iguacu 2019

Morning session PGx on Tamoxifen (23/09/2019)

Dr J. Swen and Dr Y. Tanigawara

Symposium on PGx in oncology (25/09/2019)

DPYD and 5-FU

Dr T. van Gelder

UGT1A1 and beyond

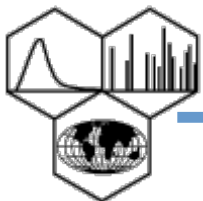
Dr J.C. Boyer

ABCG2 and TKIs

Dr T. Terada

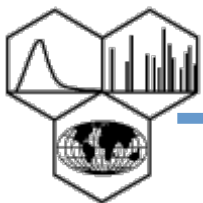
- Validation of minimal NGS panel for PGx applications

Picard N and **Haufroid V**, on behalf of the Pharmacogenetics Committee, in the French national network of pharmacogenetics (RNPGX). **Validated panel PGx44**



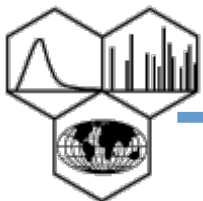
Connections

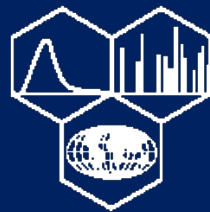
- AACCC Personalized Medicine Division (RvS)
- IFCC Pharmacogenetic Task Force (RvS)
- ESPT (European Soc Pharmacogenetics) (RvS)
- EMA Pharmacogenetics Working Group (RvS)
- Dutch Pharmacy Group Pharmacogenetics (RvS, JS)
- Dutch Clinical Chem Pharmacogenetics Network (RvS, JS)
- French National Network of Pharmacogenetics, RNPGx (NP, VH)
- European Pharmacogenetics Research Network - EuPIC (RvS, VH, NP, LE, JS)
- H2020 European Project (UPGX) (JS, RvS)
- CPIC (RvS, VH, ML, JSv, JSt)



Future activities

- Changes in the composition of the PGx Committee:
new chair: Dr Jesse Swen (NL)
vice chair: Dr Nicolas Picard (FR)
- Make proposal for IATDMCT PGx session in Banff, Alberta, Canada 2019
- Propose/validate a (minimal) NGS panel to be used for pharmacogenetic applications in the field of TDM and CT (to be published in IATDMCT Compass)
- Explore the need for updated PGx guidelines in immunosuppressive therapy





International Association of Therapeutic Drug Monitoring
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Young Scientists Committee (YSC) 2019

Indy Sandaradura
Australia

Markus R. Meyer (Chair)
Germany

Sarah Wille
Belgium

Yosuke Suzuki
Japan

Laure Elens (Vice-Chair)
Belgium

Nicolas Picard
France

Brenda de Winter
The Netherlands

Sumith K Mathew
India

Jana Stojanova
Chile

Tomoyuki Mizuno
USA

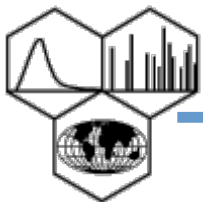


Activities in Foz do Iguassu

Young Scientist Committee Meeting

Succession within the committee

- Retired
 - Sarah, Indy, Nicolas, Markus

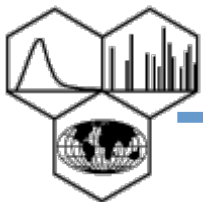


Activities in Foz do Iguassu

Young Scientist Committee Meeting

Succession within the committee

- New committee members
 - Lea Wagmann, Germany
 - Sophie Stocker, Australia
 - Miao Yan, China

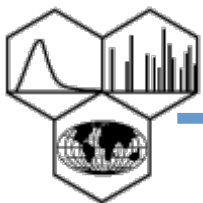


Activities in Foz do Iguassu

Young Scientist Committee Meeting

Succession within the committee

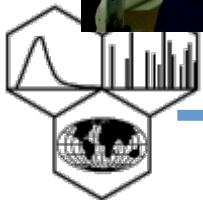
- New Chair
 - Laure Elens, Belgium
- New Vice-Chair
 - Brenda de Winter, The Netherlands



Activities in Foz do Iguassu

YS “Night Out” (Sunday)

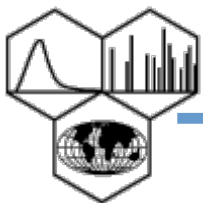
Over 50 Young Scientists enjoyed bowling alley
... to be continued in Banff ...



Activities in Foz do Iguassu

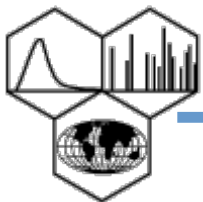
IATDMCT YS Symposium (Monday)

- Speakers
Samiksha Ghimire, The Netherlands
Jana Stojanova, Chile
Tomoyuki Mizuno, USA



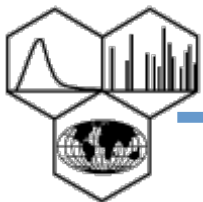
Activities in Foz do Iguassu

- Selecting Young Scientist Awards (oral/poster)
- 20 entries (oral), 30 entries (poster)
- Evaluation prior to congress (10 entries each)



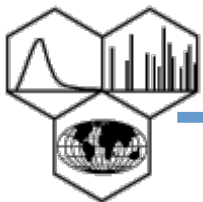
Frequent Compass Contributions (YS Corner)

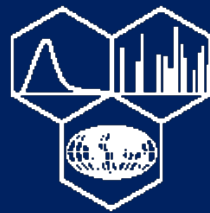
- **December 2018:** “IATDMCT CONGRESS 2018 - TOP SCIENCE DOWN UNDER” (by Indy)
- **March 2019:** “MEET THE NEW COMMITTEE MEMBERS!” (Jana and Yosuke)
- **June 2019:** “YOUNG SCIENTIST ACTIVITIES IN BRAZIL“ (by Jana)
- **September 2019:** “DRUG NON-ADHERENCE, DEFINED BY UNDETECTABLE DRUG LEVELS, AS CAUSE OF ...” Best Poster 2018 (by Jorie)



Meetings with other YS Groups

- Joined meeting with the JSTDM
- Joined meeting with CHINA-TDM
- Both will be continued next year !





International Association of Therapeutic Drug Monitoring
Annual General Meeting | Wednesday, September 25, 2019

Toxicology and Environmental Health

Chair: Nicolas Venisse

Vice-chair: David Kinniburgh

Members:

- Guillaume Binson, Poitiers, France
- Guillaume Cambien, Poitiers, France
- Corinne Charlier, Liege, Belgium
- Penny Colbourne, Edmonton, Canada
- Antoine Dupuis, Poitiers, France
- Souleiman El Balkhi, Limoges, France
- Sami Haddad, Montréal, Canada
- Kamisha Johnson-Davis, Salt Lake city, USA
- Manuela Neuman, Toronto, Canada
- Steeve Rouillon, Poitiers, France
- Franck Saint Marcoux, Limoges, France

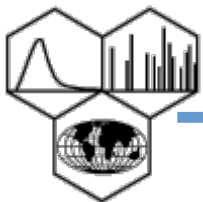
Report

■ Symposium at IATDMCT conferences

- Brisbane 2018 conference:
 - **Symposium:** Alternative matrix for the determination of human exposure to environmental pollutants
- Foz 2019 conference:
 - **Morning session:** Lead poisoning in the 21st century level
 - **Symposium:** Environmental pollutants and health outcomes: an overview of recent evidence

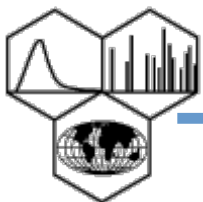
■ Article for Compass

- Glyphosate exposure in the general population: Sept 2019 issue



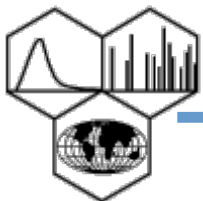
Future contributions

- Development of a Bioanalytical validation guideline in environmental health toxicology
 - Ongoing, first draft sent to members
 - Presentation at the 2020 conference ?
- Proposal for a joint symposium at Society of Toxicology 2021 conference
 - Proposal preparation and submission in the beginning of 2020



Future contributions

- Proposal for symposium at IATDMCT 2020 conference in Banff
- Submission(s) to Compass



The Biomarkers Working Group

Project overview 2018/ 2019

Contribution of Section “Pharmacodynamic Biomarkers for TAC Monitoring” to **Therapeutic Drug Monitoring of Tacrolimus-Personalized Therapy: Second Consensus Report**

Lead: E. Wieland, K. Budde

Published in *Therapeutic Drug Monitoring* in the June 2019 issue

Therapeutic Drug Monitoring Focus Issue (April 2019)

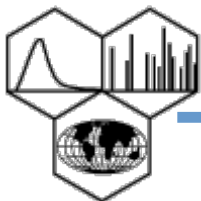
Focus on Pharmacodynamic Drug Monitoring

Lead: M. Shipkova

Project overview 2019/ 2020

Second Consensus Document on Biomarkers of ISDs in Transplantation

Lead: U. Christians



REPORT for IATDMCT AGM
Sept 2019.

Oncology SubCommittee – Chair: Professor Jenifer Martin - physician and clinical pharmacologist.

2019 was a bit chaotic for this committee as the Chair of the Committee for 2018/2019 resigned just before the Brisbane meeting. Jennifer Martin stepped up to carry the Committee until Iguassu.

We found this Committee did not have a list of names of members, there were no minutes of previous meetings, no SOPs, guidelines had been written on behalf of IATDMCT Oncology committee without being endorsed by a process nor the Committee (and several contributors named at Kyoto meeting were not included) and there was no plan for regular teleconferences.

Further, the selection of symposia for IATDMCT did not seem to be based on an open call within the committee and the process of selection of speakers was unclear. This made it difficult to know if younger members were given reasonable opportunities to present their work and lead proposals.

In addition, we felt that the support of science would be difficult without such an administrative structure, and reached out to other committees and more recently to the office of IATDMCT with the request for administrative support to get this committee going. Overall the response has not been great although the antibiotics committee kindly provided support to one of our members who will lead the development of a Guidelines process going forward. A process for the Chair to link in with the IATDMCT office on such issues would be helpful.

In the meantime Professor Martin has set up a system and email list for members to keep in contact, and has held two teleconferences to organize the Iguassu meeting and a develop a system for choosing topics and speakers. She has organized an internet video link from her home institution in Australia for the meeting on Monday so members not at IATDMCT can attend the meeting.

There is now an XLS plan for symposia and speakers, which was ranked for Iguassu and will be used as a basis for Banff.

The most outstanding issue is the process for developing guidance and Guidelines in TDM. This is a key KPI for 2019/2020 for the committee. The new Chair (elected in Brisbane in 2019) is Erik Van Marseveen, an oncology pharmacist/pharmacologist from Netherlands.

Agenda for the Iguassu meeting includes the following topics:

Minutes of the 2018 meeting

Introduction to new members – discussion of how IATMDCT can help the committee with knowing who its members are

Achievements this year – 5FU Guideline published,

Work in progress – paclitaxel guideline, BJCP Reviews, imatinib guidelines

Development of process for Guidelines –

Process for selecting speakers and symposia from the Committee – need to select already for next year (JM – see attachment)

Sub committees

Periodic conference calls

Communications and outreach to other organisations

Choice of new Vice and subsequent Chair

Other issues

Overall, the committee has had a tough year but the governance planned and confirmed in the next meeting will cement some of this. Closer relationships and some support from the Office would make this role run more smoothly. TDM of Oncology is really gaining ground and going forward this will be a big strength to the organization in the future.

I am not present in Iguassu (already known a year ago as I was rostered on hospital service) but I look forward to seeing you all at Banff.

***Jennifer Martin MBChB, MA (Oxon.), FRACP, PhD, GAICD
Chair of Oncology Subcommittee 2018-2019***