



**2020
IATDMCT
Annual
Report**

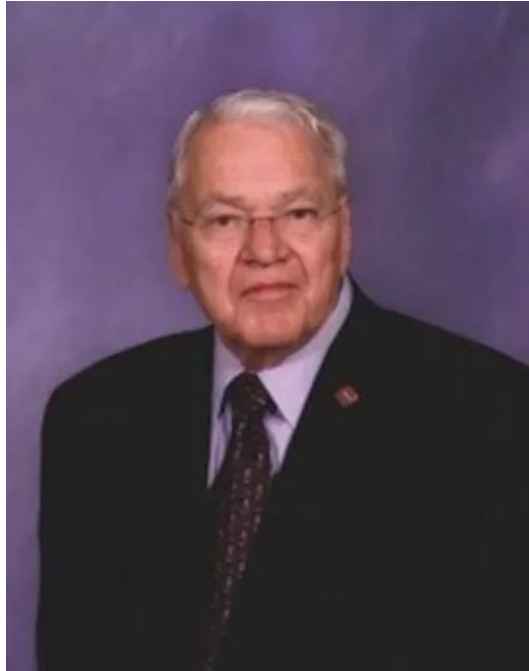


International Association of Therapeutic Drug Monitoring & Clinical Toxicology
Annual General Meeting | Wednesday, September 22, 2021

President's report

Yusuke Tanigawara

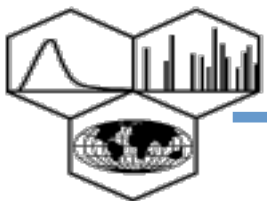
In Memoriam

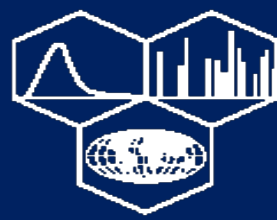


**Dr. Charles Edwin Pippenger, PhD,
The Cleveland Clinic Foundation,
passed away on 22 July 2021.**



**Dr. Maria Delfina Molinaro, PhD,
Clinical and Experimental
Pharmacokinetics Unit,
San Matteo Hospital in Pavia,
passed away on 5 June 2021.**





International Association of Therapeutic Drug Monitoring & Clinical Toxicology
Annual General Meeting | Wednesday, September 22, 2021

President

Topics:

- Council Election Results
- Revision of Terms of Reference for Awards
- Revision of Member-Get-Member campaign rule
- Application of free membership
- Regional meetings
- Congress 2025 bids

New Council 2021-2023

President Dario Cattaneo

President Elect Jan Willem Alffenaar

Past President Yusuke Tanigawara

Secretary Florian Lemaitre

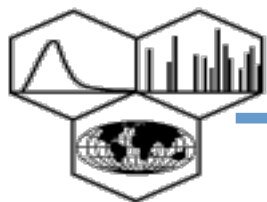
Treasurer Maria Shipkova

Directors of Education:

Birgit Koch, Christoph Stove, Debbie Marriott

Councilors:

Jean-Baptiste Woillard, Miao Yan, Michael Neely, Ryuji Kato



The Leaving Councilors:

Many thanks to their great contribution

Past President

Teun van Gelder

Treasurer

Denise Anne McKeown

Director of Education

Markus Meyer

Director of Education

Staffan Rosenborg

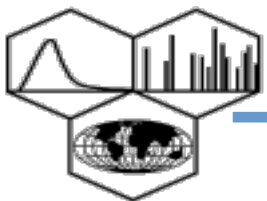
Councilor

Nicolas Venisse



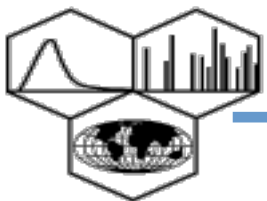
Revision of Terms of Reference for C.E. Pippenger Award and Irving Sunshine Award

- Current Terms and Reference includes the clause:
“An individual cannot be nominated for the award more than 3 times.”
- The Awards committee followed the current Terms of Reference during the selection process this year.
- The Council agreed to revise the awards terms to limit the nominations of one person to three times within a 10 year period.
- This modification will apply to the existing nominees.



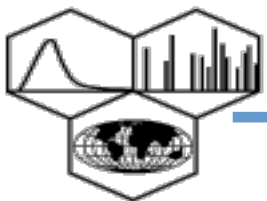
Revision of Member-Get-Member (MGM) campaign rule

- The current rule of the MGM campaign allows for non-paying members to be counted towards the contest. A concern has been raised that it is unfair to allow all non-paying recruited members to be counted because it is much harder to recruit paying members.
- The Council agreed that 50% of the recruited members must be paying members to count towards the MGM campaign.
- This new rule will apply to the next campaign.



Application of free membership

- IATDMCT currently has an unlimited free membership structure which exposes the society to a lot of risk, because all free memberships have full voting rights.
- To remove vulnerability of the Association, the Council agreed to introduce an additional process on application of free membership.
- New applications for free memberships will require a photo ID and a support letter from a supervisor or active IATDMCT member. (A support letter using free email addresses are not accepted.)



Regional Meetings



TDM workshop

IATDMCT Asia-Pacific Regional Meeting

Programme

Friday 29 October, 2021

- > Introduction and welcome
Professor Dario Cattaneo
- > TDM in Asia
Associate Professor Miao Yan
- > Logistics of running a TDM laboratory
Dr Danijela Kocic
- > Selecting the right bioanalytical approach
Associate Professor Dario Cattaneo
- > TDM services in a Malaysian hospital: starting from scratch with baby steps
Dr Lee Lee Low
- > A mid-sized TDM service in Singapore
Dr Jayme Wong Sau Yeng
- > TDM in anti-microbial resistance
Dr Tze-Peng Lim
- > Round table discussion
Professor Debbie Marriott

Saturday 30 October, 2021

- > Clinical utility of TDM
Professor Debbie Marriott
- > Evaluation of TDM services
Dr Jana Stojanova
- > Barriers to clinical implementation of TDM
Dr Jane Carland
- > Implementation of a TDM service
Dr Sophie Stocker
- > TDM of anti-tuberculous drugs
Professor Jan-Willem Alffenaar
- > TDM in intensive care
Professor Jason Roberts
- > TDM in Asia—the next phase
Round table discussion
Professor Dario Cattaneo

DATE/TIME

Friday 29
October, 2021
3-7:30 pm (GMT+8)

Saturday 30
October, 2021
9-11:30 am (GMT+8)

COST

Virtual meeting
FREE to all attendees but registration is required

[REGISTER HERE](#)



This event is suitable for clinicians, pharmacists with basic clinical microbiology, pharmacology and clinical evaluation skills and knowledge or those actively involved in antimicrobial stewardship work in their respective institutions or those looking to understand the use of TDM in daily practice.

IATDMCT Asia-Pacific Regional Meeting

29-30 October 2021

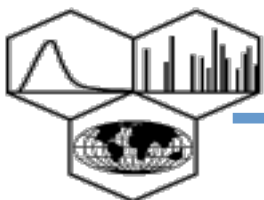
Virtual meeting

FREE to all attendees but registration is required.

Organized by the Directors of Education, Debbie Marriott.

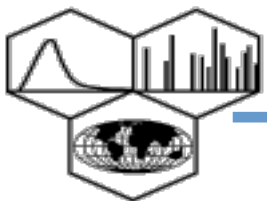
IATDMCT South America Regional Meeting

March 2022



Congress 2025 bids

- The 2024 Congress will be held in Banff Canada which was postponed from 2020 due to the pandemic.
- We received two bids for the 2025 Congress.
 - Singapore/Australia
 - Rennes, France
- The selected location will be announced at the Closing Ceremony by New President.





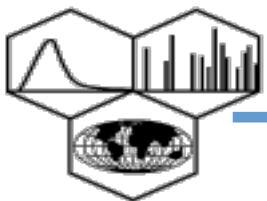
International Association of Therapeutic Drug Monitoring & Clinical Toxicology
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President-Elect's report

Dario Cattaneo

The numbers of the Rome congress...

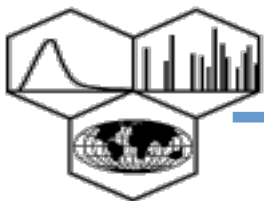
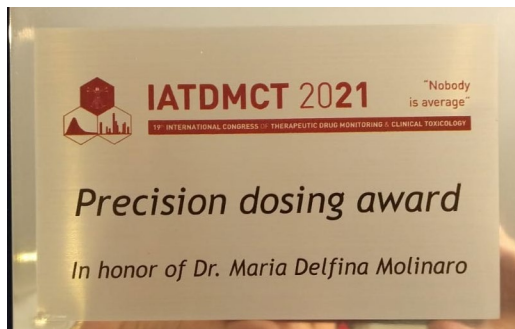
- 523 Registered attendees
 - 393 onsite
 - 130 online
- 33 Countries represented
- 284 Abstracts accepted
 - 181 as posters
 - 103 as oral presentations
- 2 pre-congresses
- 4 Plenary sessions
- 3 intersociety symposia
- 18 Concurrent symposia
- 14 Oral presentation sessions
- 6 Industry Workshops



In memory of Dr. Maria Delfina Molinaro



The members of the local organizing committee of the Rome IATDMCT 2021 Meeting unanimously decided to establish the **Maria Delfina Molinaro Precision dosing award** for the best work presented at the congress in the field of personalization of therapy





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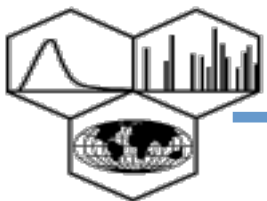
Past President's Report

Dr Teun van Gelder (Leiden, Netherlands)

Past President's report: IATDMCT Awards

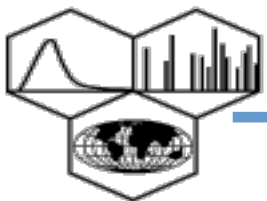
Awards(nominations must be received by April 15):

- Irving Sunshine Award (even years)
- Charles Pippenger Award (odd years)
- Victor Armstrong Young Investigator Award (even years)
- Patsalos Prize (odd years)



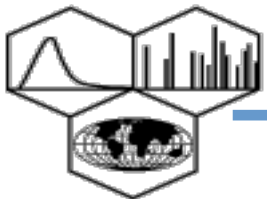
In memory of Dr. Erik van Maarseveen

- TDM monographs of the Dutch Society for Hospital Pharmacy
- Translate into English, made available on website
- Involvement of Directors of Education (Christophe Stove)
- Translation will be done by PhDs, clinical pharmacologists in training, pharmacists in Belgium and the Netherlands (at no cost).
- Involvement of scientific committees



Upcoming meetings:

- 19th IATDMCT Congress 2021: September 19-22, 2021, Rome, Italy; Congress Chairs: Mario Regazzi and Franco Locatelli
- Monitoring congress organization on behalf of Executive Council: President-elect.
- Current President-elect (Dario Cattaneo) has COI : TvG in stead.
- Congress in Prague (2022): Dario Cattaneo
- Congress in Oslo (2023): new P-elect
- Congress in Banff (2024): new P-elect

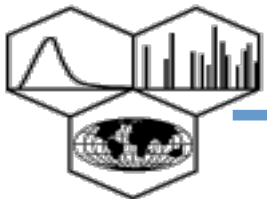


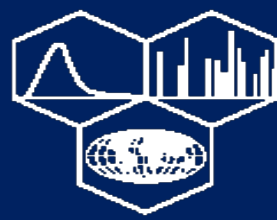
End of my involvement in IATDMCT (Exec Council):

Positions within IATDMCT:

- 2007-2011 Councillor
- 2011-2015 Director of Education
- 2015-2017 President-elect
- 2017-2019 President
- 2019-2021 Past-president

Do you fancy a career within IATDMCT? : elections!!





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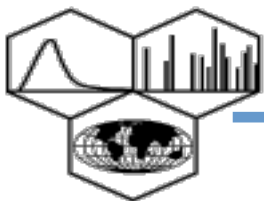
Secretary's Report

Maria Shipkova
Germany

Secretary report: Membership 2020

- Membership Report
 - Updated IATDMCT Membership Summary (as of November 2020)

2019		2020		Development
Count	Type	Count	Type	
48	Developing Country	43	Developing Country	-5
66	Developing Country Junior Member (<31 years)	88	Developing Country Junior Member (<31 years)	22
127	Developing Country Young scientist (31-40 years)	158	Developing Country Young scientist (31-40 years)	31
246	Full Member	217	Full Member	-29
6	Honorary	6	Honorary	0
39	Junior Member (<31 years)	38	Junior Member (<31 years)	-1
16	Retired	19	Retired	3
79	Young scientist (31-40 years)	69	Young scientist (31-40 years)	-10
627		638		11
56	New Members through Member-Get-A-Member Campaign	24	New Members through Member-Get-A-Member Campaign	



Secretary report: Membership 2021

- Membership Report
 - Updated IATDMCT Membership Summary (as of September 2021)

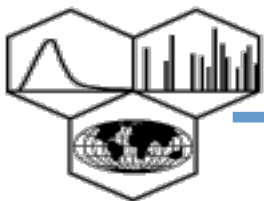
Membership 2020

Count	Type
43	Developing Country
88	Developing Country Junior Member (<31 years)
158	Developing Country Young scientist (31-40 years)
217	Full Member
6	Honorary
38	Junior Member (<31 years)
19	Retired
69	Young scientist (31-40 years)
638	

Membership 2021

Count	Type	Development
33	Developing Country	-10
110	Developing Country Junior Member (<31 years) no fee	22
186	Developing Country Young scientist (31-40 years) no fee	28
223	Full Member	6
6	Honorary	0
50	Junior Member (<31 years)	12
13	Retired	-6
67	Young scientist (31-40 years)	-2
688		50

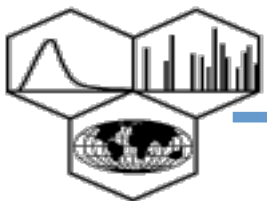
44 New Members through Member-Get-A-Member Campaign



Secretary report: Membership 2021

Top 15 Countries 2021/ development trend vs. 2021

Count	Country	
66	India	↔
63	Japan	↓
57	China	↑
56	Brazil	↑
51	United States	↓
31	Netherlands	↑
29	Germany	↑
27	United Kingdom	↑
26	France	↑
26	Malaysia	↑
25	Canada	↓
24	Australia	↔
19	Argentina	↑
19	Belgium	↑
19	Italy	↑



Secretary report: MEMBER-GET-A-MEMBER 2020/21

**“MEMBER-GET-A-MEMBER CAMPAIGN 2020”
Invite Your Friends and Colleagues!**



**“MEMBER-GET-A-MEMBER” 2020 CONTINUES AND BECOMES
“MEMBER-GET-A-MEMBER” 2020/2021.**

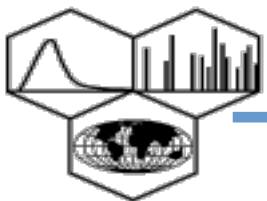
The Campaign rules and the participation procedure remain the same, the deadline and the prize change.

**NEW CAMPAIGN DEADLINE: AUGUST 30, 2021
THE TOP TWO "RECRUITERS" WILL RECEIVE FREE
REGISTRATION FOR THE ROME CONGRESS 2021!**



19th
**International Congress
of Therapeutic Drug
Monitoring and Clinical
Toxicology**

19-22 September 2021 • Rome Italy



Secretary report: MEMBER-GET-A-MEMBER 2020/2021

By August 30, 2021:
65 new Members recruited in the Campaign by 38 Recruiters

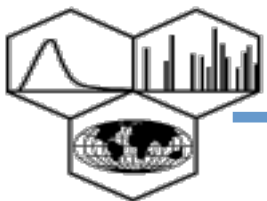
Thank you to all Recruiters!

**TOP TWO "RECRUITERS", WHO WIN FREE REGISTRATION FOR
THE ROME CONGRESS 2021!**

1. Place:
Natalia Riva (Argentina) 11 New Members



2. Place:
Florian Lemaître (France) 7 New Members



Secretary report: Affiliated Societies



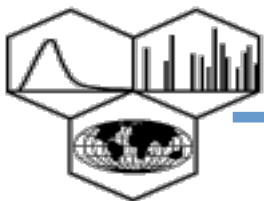
- Collaborative memorandum of understanding: for the purpose of **working together to develop, plan and conduct various educational events and programs and to develop and produce research and policy papers/statements** relevant to the fields of clinical pharmacology, therapeutic drug monitoring and clinical toxicology.



- Affiliate Membership: Members of JSTDM may join IATDMCT and enjoy the **full function of IATDMCT membership benefits with reduced IATDMCT dues.**

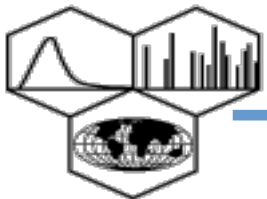


- Memorandum of understanding: for the purpose **to cooperate in various areas to improve the development of laboratory medicine in TDM.**
1. Project: Analysis of immunosuppressive drugs (regulatory framework for measurement traceability, development of reference materials, reference methods, reference procedures/services)



Secretary report: Affiliated Societies

- 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.**



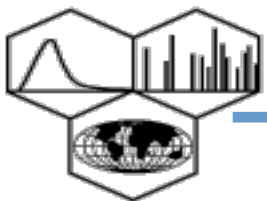
Secretary report:



- Liaison Council/Communication Committee

IATDMCT Communication Committee without any LOCKDOWN in 2020/2021!

- Thank you for your hard work and immense reliability in keeping the communication with our members throughout the pandemic time
- Thank you for your longstanding commitment and excellent service to Denise McKeown (UK), who will leave the CC at the end of the year after more than 20 years!!!
- Thank you for your leadership to Kamisha Johnson-Davis, the past Chair of the CC, who will stay as member of the CC
- Congratulations and lot of success to the New Chair Ofelia Noceti (Uruguay) and the New Vice-Chair Ryuji Kato (Japan)





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2020 Treasurer's Report

Denise A McKeown

Forensic Medicine and Science, University of Glasgow
Glasgow, UK

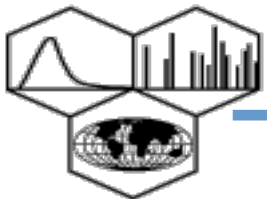
2020 Financials: Overview

- 2020 Revenue: **\$290,389** (2019 Revenue: \$275,784)
 - TDM Journal Royalties: \$234,413
 - Membership Fees: \$31,347
 - Congress Surplus: \$16,559
 - Sponsorship, Other: \$8,070
- 2020 Expenses: **\$234,155** (2019 Expenses: \$210,539)
 - TDM Journal Related: \$138,156
 - Administrative Expenses: \$33,305
 - Membership Services: \$34,213
 - Exchange loss on Congress loans: \$28,481
- 2020 Surplus: **\$56,234** (2019 Surplus: \$65,245)



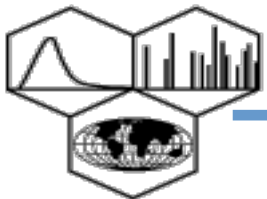
2020 Financials: Administration Expenses

- 2020 General & Administrative Expenses:
\$33,305
 - Management Fee: \$15,000
 - Professional Fees: \$10,856
 - Administration Expenses: \$6,152
 - Telecommunications Fees: \$1,297



2020 Financials: Membership Services Expenses

- Membership Services Expenses: **\$34,213**
 - TDM & Online Subscription: \$22,814
 - Website: \$6,553
 - Compass: \$4,846



Accountant Statement

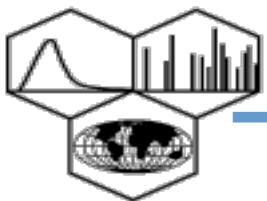
**INTERNATIONAL ASSOCIATION OF THERAPEUTIC DRUG
MONITORING AND CLINICAL TOXICOLOGY
(a nonprofit organization)**

FINANCIAL STATEMENTS

**Year Ended December 31, 2020
with Comparative Information for the Year Ended
December 31, 2019**

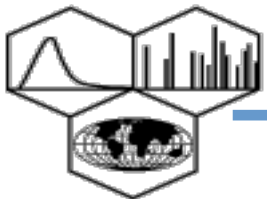
Accountants' Conclusion

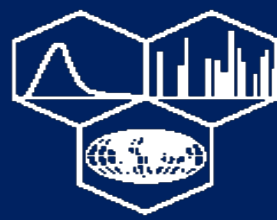
Based on our review, we are not aware of any material modifications that should be made to the accompanying financial statements in order for them to be in accordance with accounting principles generally accepted in the United States of America.



2020 Financials: Summary

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





International Association of Therapeutic Drug Monitoring & Clinical Toxicology
Annual General Meeting | Wednesday, September 22, 2021

Committee Name

Rafael Linden, PhD (Chair)

School of Pharmacy

Feevale University, Novo Hamburgo, Brazil

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

School of Pharmacy

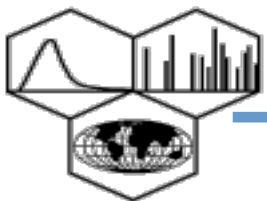
University of Sidney, Sidney, Australia

Committee Membership

- **Current Members (updated 2021)**

- Jan-Willem Alffenaar
- Christophe Stove
- Maria Begoña Delgado-Charro
- Pleasant Hooper
- Rafael Linden
- Leo Stolk
- Bill Clarke*
- Constantinos Pistos
- Remco Koster
- Herman Veenhof
- Melanie Bailey
- Birgit Koch
- Ganesh S. Moorthy*
- Annick de Vries*

*New members



Activities

■ Review paper

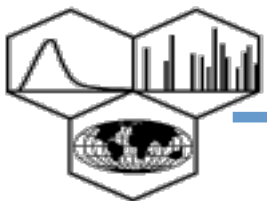
- As decided on the committee meeting held during the Foz do Iguaçu congress, a review manuscript was prepared by committee members, lead by Lisa Delahaye and Christophe Stove from the University of Ghent, with the title **Alternative sampling devices to collect dried blood microsamples: state-of-the-art**, *Therapeutic Drug Monitoring*. 43(3):310-321

■ Special issue of the TDM journal

- Edited by Christophe Stove
- Published June 2021 (Volume 43 - Issue 3)
- 11 articles + editorial

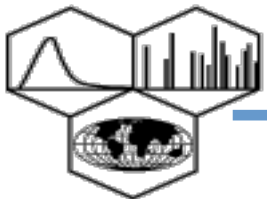
■ Website data updated

■ Symposium proposals to the Rome Congress



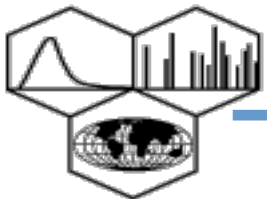
Compass contributions:

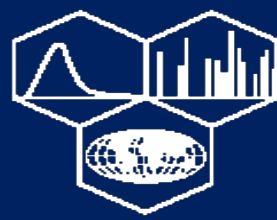
- March 2020 edition: **Selective and effective extraction of THC-COOH from hair using alkaline digestion and mixed-mode solid phase extraction, for the confirmatory testing of Cannabis use**, by Vitoria Schaefer and colleagues from the Universidade Feevale, Brazil
- September 2020 edition: **Dried blood spots for clozapine therapeutic drug monitoring: method development and clinical application** - by Marina Antunes and colleagues from the Universidade Feevale, Brazil



New plan 2021-2022

- Expert/niche area
- Combination of early career and senior researchers
- Narrative review style
- Topic to be discussed in Rome meeting, submission to TDM 'June 2022'.





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Anti-infective Drugs Scientific Committee

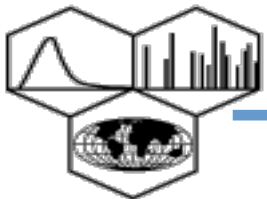
Co-Chairs: Deborah JE Marriott (Australia), Dario Cattaneo (Italy)

Committee Members

Jan-Willem Alffenaar, Anders Asberg, Roger Bruggeman, Paul Chin, Birgit Koch, Danijela Kocic, Cindy Lau, Rafael Linden, Sumith Matthews, Mariadelfina Molinaro (sadly deceased), Carsten Mueller, Michael Neely, Charles Peloquin, Gauri Rao, Jason Roberts, Indy Sandaradura, Abdullah Saleh Sultan, Sara Baldelli, Stephanie Reuter Lange, Sophie Stocker, Jana Stojanova

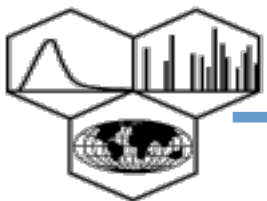
Major publication initiatives

- Dario Cattaneo, PhD, Marco Falcone, MD, Cristina Gervasoni, MD, Deborah JE Marriott, MD **Therapeutic drug monitoring of antibiotic drugs in the elderly: a narrative review.** Submitted to Therapeutic Drug Monitoring
- Stephanie Reuter, Sophie Stocker, Jan-Willem Alffenaar, Sara Baldelli Dario Cattaneo, Graham Jones, Birgit Koch, Danijela Kocic, Sumith K Mathew, Mariadelfina Molinaro, Michael Neely, Indy Sandaradura, Deborah Marriott. **Optimal Practice for Vancomycin Therapeutic Drug Monitoring: Position Statement from the Anti-Infectives Committee of the International Association of Therapeutic Drug Monitoring and Clinical Toxicology (IATDMCT).** Submitted to Therapeutic Drug Monitoring



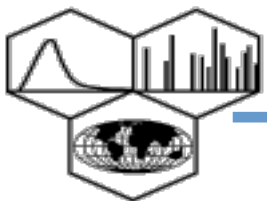
Major publication initiatives

- Hannah Yejin Kim, Sara Baldelli, Anne-Grete Mårtson, Sophie Stocker Jan-Willem, Dario Cattaneo, Deborah Marriott. **Therapeutic Drug Monitoring of the Echinocandin Antifungal Agents: is there a role in clinical practice? A position statement of the Anti-Infective Drugs committee of the International Association of Therapeutic Drug Monitoring and Clinical Toxicology.** Accepted for publication in Therapeutic Drug Monitoring.
- Dario Cattaneo, Sara Baldelli, Valeria Cozzi, Emelio Clementi, Deborah Marriott, Cristina Gervasoni, on behalf of the IATDMCT Anti-Infective Committee. **Impact of Therapeutic Drug Monitoring of Antiretroviral Drugs in Routine Clinical Management of People Living With HIV: A Narrative Review.** Therapeutic Drug Monitoring 2020



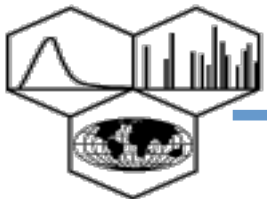
Other reviews with significant involvement of members of the Anti-Infectives Committee

- Charles A. Peloquin and Geraint R. Davies. **The Treatment of Tuberculosis.** Invited review in Clinical Pharmacology and Therapeutics.
- Jan-Willem Alfenaar, Anne-Grete Märtson, Scott Heysell, Jin-Gun Cho, Asad Patanwala, Gina Burch, Hannah Kim, Marieke Sturkenboom, Anthony Byrne, Deborah Marriott, Indy Sandaradura, Simon Tiberi, Vitali Sintchenko, Shashikant Srivastava, Charles Peloquin. **REVIEW ARTICLE Therapeutic Drug Monitoring in Non-Tuberculosis Mycobacteria Infections.** Clinical Pharmacokinetics (2021)



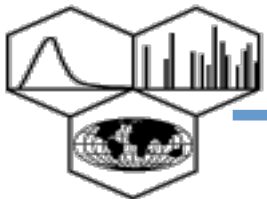
Other reviews with significant involvement of members of the Anti-Infectives Committee

- Sebastian Wicha, Anne-Grete Märtson, Elisabet Nielsen, Birgit Koch, Lena Friberg, Jan-Willem Alffenaar, Iris Minichmayr. **Review: From Therapeutic Drug Monitoring to Model Informed Precision Dosing for Antibiotics.** Clinical Pharmacology and Therapeutics 2021.



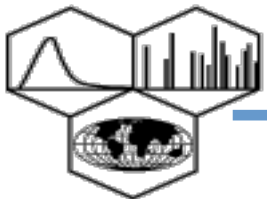
Compass

- Educational resources: core knowledge for TDM practice. Sophie Stocker and Jana Stojanova. March 2021
- Potential risks of complementary alternative medicines in people living with HIV. Dario cattaneo, September 2021



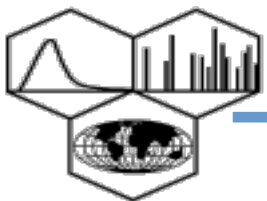
Sessions at IATDMCT ASM 2021

- Whilst it is recognised that the Annual Scientific Meeting is taking place in difficult times, the lack of speaker diversity in symposia and plenary sessions is disappointing. This is in part because virtual presentations were initially not allowed and this was not reversed for a considerable period of time after the meeting became hybrid. It is hoped that this disparity is not seen at future meetings.
- Symposium: Optimal sampling strategies for TDM exemplified by vancomycin (2/3 speakers from Europe)
 - Sebastian Wicha: Common PK/PD targets for TDM and model-informed precision dosing and what the trough sample does (not) tell
 - Michael Neely: Clinical sampling is not just for trial design: application in individual patients
 - Iris Minichmayr: An interactive introduction to AUC-based dosing of vancomycin
- Symposium: Infection site measurement of antimicrobial agents: unnecessary, a luxury or essential? (All speakers from Europe)
 - Birgit Koch: Bone and Joint Infections
 - Federico Pea: Lungs and pleural space
 - Markus Zeitlinger: the role of microdialysis



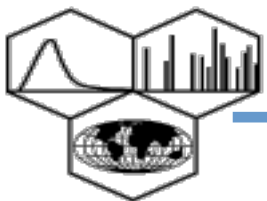
Sessions at IATDMCT ASM 2021

- Round Table session: Antibiotic stability in elastomeric pumps used for out-patient parenteral antimicrobial therapy (Chair: Dario Cattaneo. Speakers not specified)
- One oral session 'Anti-Infectives' (6/8 speakers from Italy, one Belgium, one China)
- One oral session 'Anti-Infectives: anti-viral drugs' (6 speakers from Europe, one from South Africa)



Scientific contribution

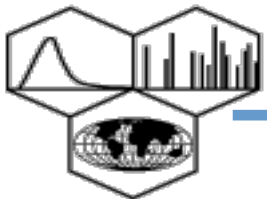
- Members of the anti-infectives committee have over **180** publications directly related to anti-infective TDM in refereed journals in the last 12 months
- **15** regular reviewers for peer-review journals
- Conferences not included on this occasion because of the impact of COVID-19



Future activities

- Regional IATDMCT workshop for the Asia-Pacific region to raise the profile of TDM in low-moderate uptake countries
 - October 29-30, 2021
 - 11 speakers from Singapore, Malaysia, China, Europe and Australia
 - Virtual conference
 - Free to attend

We plan to make this an annual meeting to increase regional interest in TDM





TDM workshop

IATDMCT Asia-Pacific Regional Meeting

Programme

Friday 29 October, 2021

- > **Introduction and welcome**
Professor Dario Cattaneo
- > **TDM in Asia**
Associate Professor Miao Yan
- > **Logistics of running a TDM laboratory**
Dr Danijela Kocic
- > **Selecting the right bioanalytical approach**
Associate Professor Dario Cattaneo
- > **TDM services in a Malaysian hospital: starting from scratch with baby steps**
Dr Lee Lee Low
- > **A mid-sized TDM service in Singapore**
Dr Jayme Wong Sau Yeng
- > **Perspectives on clinical application of A-I TDM**
Dr Andrea Kwa
- > **Round table discussion**
Professor Debbie Marriott

Saturday 30 October, 2021

- > **Clinical utility of TDM**
Professor Debbie Marriott
- > **Evaluation of TDM services**
Dr Jana Stojanova
- > **Barriers to clinical implementation of TDM**
Dr Jane Carland
- > **Implementation of a TDM service**
Dr Sophie Stocker
- > **TDM of anti-tuberculous drugs**
Professor Jan-Willem Alffenaar
- > **TDM in intensive care**
Professor Jason Roberts
- > **TDM in Asia—the next phase**
Round table discussion
Professor Dario Cattaneo

DATE/TIME

Friday 29
October, 2021
3-7:30 pm (GMT+8)

Saturday 30
October, 2021
9-11:30am (GMT+8)

COST

Virtual meeting
FREE to all
attendees but
registration is
required

[REGISTER HERE](#)



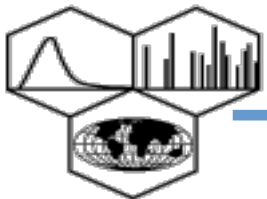
This event is suitable for clinicians, pharmacists with basic clinical microbiology, pharmacology and clinical evaluation skills and knowledge or those actively involved in antimicrobial stewardship work in their respective institutions or those looking to understand the use of TDM in daily practice.



Future activities

- Regional meeting in South America March 2022 – planning is well underway
 - Similar format to Asia-Pacific regional meeting
 - Free virtual meeting
 - Young scientist session with a prize for the best presentation
 - Meeting will be held annually

- Continue contributions to Compass





International Association of Therapeutic Drug Monitoring & Clinical Toxicology
Annual General Meeting | Wednesday, September 22, 2021

Clinical Toxicology and Drugs of Misuse

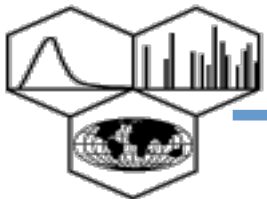
Chair: Professor *Manuela G. Neuman Ph.D. FCACB*
University of Toronto, Toronto, Ontario, Canada

Vice-Chair: Professor *Eric J. Franssen Ph.D*
Onze Lieve Vrouwe Gasthuis, Amsterdam, The Netherlands

Past Chair: Professor *Vanessa Steenkamp Ph.D.*
University of Pretoria, South Africa

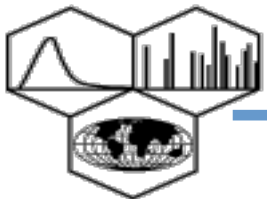
AIMS

- To promote Clinical Toxicology
 - Developing practice guidelines,
 - Encourage the committee to pursue more projects/events that benefit the membership.
- Publishing scientific & professional articles
 - Drugs of misuse; drug-drug interactions
 - Personalize medicine
 - Communication for Compass;
- IATDMCT advocacy in other Societies
 - Actively presenting their experience at workshops/symposia/oral or poster presentations at the IATDMCT Congress & other scientific meetings



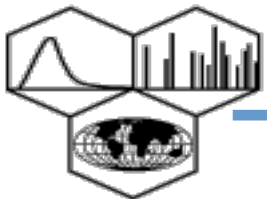
Members

- **Professor Dr. Hans H. Maurer**, University of Saarland , Germany
- **Prof. Amitava Dasgupta**, University of Huston, USA
- Prof Zul Verjee, Toronto, Canada
- **Dr Frank Peters**, Friedrich Schiller University of Jena, Germany
- **Dr Gwendolyn McMillin**, University Pathologists Laboratories, Salt Lake City
- **Dr Amanda Jenkins**, University of Massachusetts, MA, USA
- **Dr. Pascal Kintz**, Laboratoire ChemTox, France
- **Prof. Alain Verstraete**, Ghent University Hospital, Ghent, The Netherlands
- **Prof. Daan Touw** , University Medical Center Groningen, The Netherlands
- **Prof. Kamisha Johnson-Davis**, University of Utah, Salt Lake City, USA



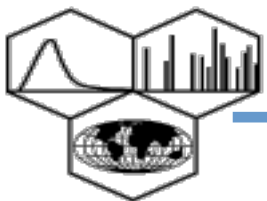
Members

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



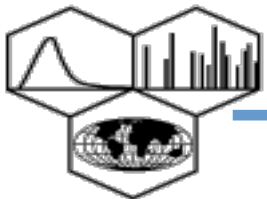
Members

- **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
- **Prof. Olaf Drummer**, Monash University, Australia
- **Prof. Andrew Lyon**, University of Saskatchewan, Saskatoon, Canada
- **Prof. Minodora Dobreanu**, University of Targu Mures, Romania
- **Dr. Mathew Nicols**, University of Toronto, Canada
- **Dr. Lusia Sepiashvili**, University of Toronto, Canada
- **Dr. Daniel Sundar**, Baid Metha College of Pharmacy, Chennai, India.
- **Dr. Peter Zweipfenning**, The Neetherlands



Activities

- CTDOM is represented in Communications Committee,
 - Renewed IATDMCT website - **Dr. Alain Verstraete**,
Dr. Lusia Sepiashvili- co-editor Compass
 - eNews co-editor **Dr. Manuela Neuman**
 - Kamisha Davis Johnson to present
 - CTDOM – Annual Meeting in Rome
 - 3 symposia many oral and poster presentations
 - 1 Plenary lecture
- Other future international congresses
- 1 Symposium and 1 Post-graduate Course ESBRA, Romania

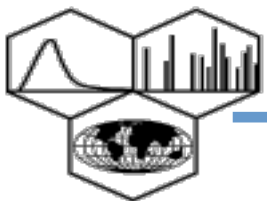


Activities/Publications: Prof. Hans Maurer

- Maurer HH .Hyphenated high-resolution mass spectrometry-the "all-in-one" device in analytical toxicology? Anal Bioanal Chem. 2021 Apr;413(9):2303-2309.

Oral presentations:

- GDCh (German Chemical Society) Science Forum - Chemistry 2021, August 2021
- XVI TIAFT Latin-American Regional Meeting, November 2021

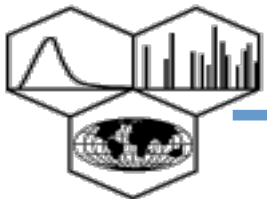


IATDMCT- Symposium Clinical Toxicology

Laboratory broad drug screening—A Verstraete

Point of Care urine drug screen in supporting ambulatory substance use clinic. Lei Fu

- High Resolution Mass Spectrometry drug screening in plasma and urine. Alain Verstraete
- The LC-Orbitrap HR/MS in the clinical toxicology laboratory: a quality management perspective to broad-spectrum drug screening. Cristiana Stefan
- Oral presentations in Clinical Toxicology session
- Identification of the metabolites of four new designer benzodiazepines with the help of molecular networks. A. Verstraete
- A LC-MS/MS method for the detection of two phosphatidylethanol homologues as long-term biomarkers of alcohol exposure. K.L. Johnson-Davis



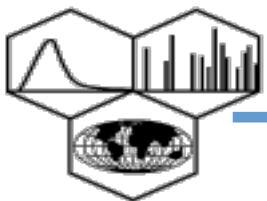
Oral presentations/Activities

- **David W. Kinniburgh**
 - Chair: Virtual IATDMCT-2020
 - TRESURE IFCC
- **Nuclear factor of activated T cells as potential pharmacodynamic biomarker for the risk of acute and subclinical rejection in de novo liver recipients: Olga Milan**
- **Confirmation of Methylphenidate and Ritalinic Acid in Urine Using Liquid Chromatography Tandem Mass Spectrometry (LC-MS/MS): Loralie J Langman**
- **Human biomonitoring: a proposal for a Global Biomonitoring Institute (GBI): David W. Kinniburgh**
- **Toxicovigilance Canada Collaboration Centre Members**
- **David Kinniburgh, Andrew Lyon, Manuela Neuman**



CTDOM presence at IATDMCT- ROME; SYMPOSIA

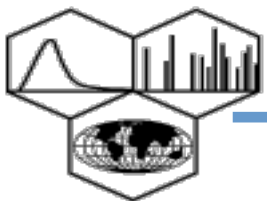
- **Herbal remedies and dietary supplement**
- **Amanita Phalloides intoxications: clinical outcomes and efficacy of antidotes – Review of 40 years of case reports. Bart G.J. Dekkers**
- **Herbal remedies: toxicity and effect on therapeutic drug monitoring. Vanessa Steenkamp**
- **Herbal and dietary supplements use leading to toxicities. Amitava Dasgupta**



Diagnosing drug-induced liver injury (DILI)

Chair: Eberhard Wieland

- Adverse drug reactions caused by genetic variation of drug transporters. Yusuke Tanigawara
- Predictings hypersensitivity drug reactions mitochondrial toxicity and cytokine storm . Manuela Neuman
- Liver injury produced by amatoxins and phallotoxins. Eberhard Wieland



Activities: M.G. Neuman

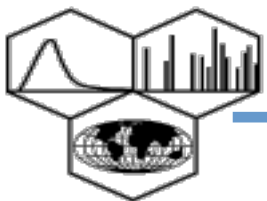
- - Research Award Canadian Society of Clinical Chemists
- Life Recognition Award from European Society for Research on Alcoholism

Organized: 15th Charles Lieber- 1st Samuel French Symposium at the Research Society on Alcoholism –. Presented and invited

Organized 4 symposia for IATDMCT-Rome

Speaker at 1 Symposium IATDMCT, _Rome

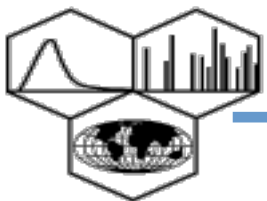
- Plenary speaker IATDMCT- Rome **Clinical importance and pharmacological utility of using biomarkers in diagnosis of dementia**
- Plenary Speaker at ESBRA postgraduate Course, Romania, October. 2021



Chair and Speaker at 2 Symposia, European Association for Biological
International Association of Therapeutic Drug Monitoring & Clinical Toxicology | Annual General Meeting, September 22, 2021
Study on Alcoholism (ESBRA), October, Timisoara, Romania.

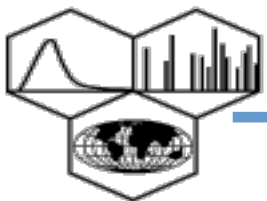
Publications

- **Neuman MG**, et al. Familial non-alcoholic steatohepatitis leading to hepatocellular carcinoma. *Chem Biol Interact.*, 2020;323:109054. doi: 10.1016/j.cbi.2020.109054. .
- Ostrovsky V.,..., **Neuman, MG**. Denosumab-Induced Immune Hepatitis. *Biomedicines*, special issue: Experimental and Research in Liver Disease, 2021, 9, 76. <https://doi.org/10.3390/biomedicines9010076>
- Maor Y., **Neuman, M.G**. Liraglutide-Induced Hepatotoxicity. *Biomedicines*, Experimental and Research in Liver Disease, 2021, 9, 106. <https://doi.org/10.3390/biomedicines9020106>
- **Neuman, M.G**, et. al. Non-invasive biomarkers of liver inflammation and cell death in response to alcohol detoxification. *Front. Physiol. Section Gastrointestinal Sciences*, 2021, 7,12:678118, doi: 10.3389/fphys.2021.678118. PMID: PMC8292967.



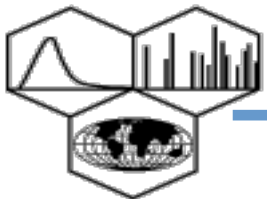
Publications

- Teschke R, ., **Neuman MG**, et al. Diagnostic Biomarkers in Liver Injury by Drugs, Herbs, and Alcohol: Tricky Dilemma after EMA Correctly and Officially Retracted Letter of Support. *Int J Mol Sci.* 2020;21(1)., pii: E212. doi: 10.3390/ijms21010212.
- **Neuman MG et al.** Alcoholic-Hepatitis, Links to Brain and Microbiome: Mechanisms, Clinical and Experimental Research *Biomedicines* 2020, 8(3), 63; <https://doi.org/10.3390/biomedicines8030063> Special Issue Alcoholic Liver Disease: Diagnostics and Therapeutics; PMID: PMC7148515; PMID: 32197424; 10.3390/biomedicines8030063.
- **Neuman MG**, et al. Gamma glutamyl transferase - an underestimated marker for cardiovascular disease and the metabolic syndrome. *J Pharm Pharm Sci.* 2020;23(1):65-74. doi.
- Cohen L, **Neuman MG**. Cannabis and the Gastrointestinal Tract. *J Pharm Sci.* 2020;23:301-313. doi: 10.18433/jpps31242. PMID: 32762830



Publications

- Malnick S, **Neuman MG**: Obeticholic acid for treatment of NAFLD- a drug in search of a disease. HepGastro, 2020, 2, 133-137.
- Malnick SDH, **Neuman MG**: Checkpoint Inhibitors and Hepatotoxicity. Biomedicines, Special issue Experimental and Research in Liver Disease 2021, 9, 101.
<https://doi.org/10.3390/biomedicines9020101>
- Teschke R, Neuman MG et al. Alcoholic liver disease and the co-triggering role of MEOS with its CYP 2E1 catalytic cycle and ROS. Arch of Gastroenterology Research (AGR) , 2021,2 (1), 9-25.
- Seitz HK and Neuman MG. The history of alcoholic liver disease: from an unrecognized disease to one of the most frequent diseases in Hepatology. J. Clinical Medicine (JCM), 2021, 10, 858- 70;
<https://doi.org/10.3390/jcm10040858>



■ Malnick SDH, Neuman MG. Treating the Metabolic Syndrome by Fecal Transplantation-Current Status. Biology (Basel). 2021 May

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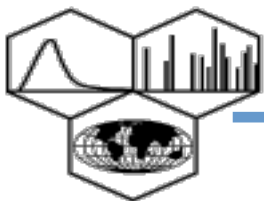
Activities/Publications V. Steenkamp

- Published 6 articles to date this year.
- Graduated 3 postgraduate students with 2 currently being examined.
- I have been appointed Vice-chairperson of the South African Council for Natural Scientific Professions. Toxicology is one of the Associations registered under this council, of which I am the Chair. The objectives of the SACNASP are to register and regulate natural science professionals, proactively advise Government and relevant stakeholders on the contributions and role of the Natural Scientific Professions in South Africa, promote the natural science professions in South Africa, promote professional development and transformation of the natural science sector of South Africa, and to foster a culture of good corporate governance in relation to the Council.



Activities – K.L. Davies Johnson

- : **Speaker**, 2021 RSA15th Charles Lieber and 1st Samuel French Annual Satellite Symposium. Laboratory testing for biomarkers of alcohol exposure. June 19, 2021
- ADDICTIONS UPDATE: Science, Policy & Treatment Sponsored by: University of Utah “Testing strategies to evaluate in utero drug exposure”, Salt Lake City, UT. June-3/2021
- **Author**, AACC Pearls of Laboratory medicine – Topic: Pharmacokinetics.
- <https://www.aacc.org/science-and-research/clinical-chemistry-trainee-council/trainee-council-in-english/pearls-of-laboratory-medicine/eting>; “Is Therapeutic Drug Monitoring for Organ Transplantation on the Bleeding Edge? TAnalytical Advancements and Challenges in Therapeutic Monitoring of Immunosuppressant Drugs’
 - **Speaker**, Research in Progress : Phosphatidylethanol: A long-term biomarker for alcohol exposure. .
 - **Speaker**, IATDMCT : Alternative Sampling Strategies to evaluate in utero drug exposure. Testing for Neonatal drug exposure in umbilical cord and meconium. September 16, 2020.
 - Here today, gone tomorrow – Evaluating the stability of bupropion and chlorpromazine in serum/plasma. [Poster Presentation]. AACC Virtual Annual Meeting, December 13 – 17, 2020.



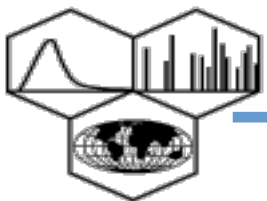
Activities/Publications E.J. Franssen

- Nephrotoxicity of TDM-guided amphotericin B infusions in intensive care patients. IATDMCT Banff, Canada, 2020.
- Comparison between Toxyter™ and LC-Quadrupole-Time-of-Flight-MS in post-mortem toxicology IATDMCT Banff, Canada, 2020.
- Ali Khadhim , M Ceelen, **Franssen EJ** Post mortem toxicology: prevalence of therapeutic and recreative drugs in an urban setting. Dutch Figon dagen (webinar) 3 December 2020.
- 1Martial LC1,..., **Franssen EJJ** Comparison between Toxyter™ and LC-Quadrupole-Time-of-Flight-MS in post-mortem toxicology. Dutch Figon dagen (webinar) 3 December 2020.
- Bakker T,... SIMPLIFY Study Group (**Franssen EJ**). Improving medication safety in the Intensive Care by identifying relevant drug-drug interactions - Results of a multicenter Delphi study. *J Crit Care*. 2020 Feb 21;57:134-140. doi: 10.1016/j.jcrc.2020.02.012. PubMed PMID: 32145656.
- Wallenburg E,... **Franssen EJJ**, et al. First international quality control programme for laboratories measuring antimicrobial drugs to support dose individualization in critically ill patients. *J Antimicrob Chemother*. 2021 Jan 19;76(2):430-433. doi:



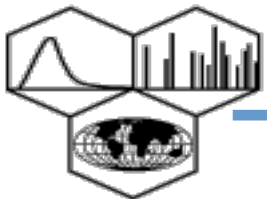
Publications- Activities

- Amitava Dasgupta and Amer Wahed , 2nd edition July 2021, Elsevier: Clinical chemistry, immunology and laboratory quality control: a comprehensive review for board preparation, certification and clinical practice.
- Delaney SR, .. **Langman LJ**, et al. Assessment of mass spectrometry-based pain management testing in clinical laboratories across North America. Clin Biochem. 2020 Nov; 85:49-52 Epub 2020 Aug 18 PMID: 32822662 DOI: 10.1016/j.clinbiochem. 2020.08.006
- Bergan S,. **Johnson-Davis KL.**, **Milan O**, **Langman LJ**. Personalized Therapy for Mycophenolate: Consensus Report by the International Association of Therapeutic Drug Monitoring and Clinical Toxicology. Ther Drug Monit. 2021 Apr 1; 43 (2):150-200



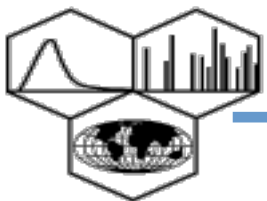
Publications

- .Bakker T et al SIMPLIFY study group, **Franssen EJF**..Clinically relevant potential drug-drug interactions in intensive care patients: A large retrospective observational multicenter study. *J Crit Care*. 2021 Apr;62:124-130. doi: 10.1016/j.jcrc.2020.11.020. Epub 2020 Dec 1.PMID: 33352505.
- van der Pas RSD, .. **Franssen EJF**, Riezebos RK. Acute onset heart failure due to reverse type Takotsubo cardiomyopathy caused by a single dose of 4-Fluoroamphetamine in a healthy young individual. *Toxicol Rep*. 2020 Dec 3;7:1629-1633. doi: 10.1016/j.toxrep.2020.12.003. eCollection 2020. PMID: 33344175
- Smits TA, ..**Franssen EJ**. Can emergency department clinicians diagnose gamma-hydroxybutyrate (GHB) intoxication based on clinical observations alone? *Emerg Med J*. 2021 Mar 5:emermed-2020-209577. doi: 10.1136/emermed-2020-209577. Online ahead of print. PMID: 33674275.
- McCune JS,.. **Franssen EJF**, et al. Quality Control of Busulfan Plasma Quantitation, Modeling and Dosing: An Interlaboratory Proficiency Testing Program. *Ther Drug Monit*. 2021 Mar 2. Doi 10.1097/FTD.0000000000000862. Online ahead of print. PMID: 33675302.



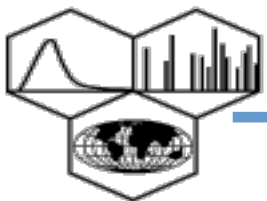
Publications

- **Langman LJ, .., McMillin GA, .. Jortani SA.** . Clin Chim Acta. 2021 Aug 9; 522:105-113 09 PMID: 34384754
 - **Langman LJ**, Jannetto PJ. Toxicology and The Clinical Laboratory. In: Wi. Clarke and M.A. Marzinke, editor(s). Contemporary Practice in Clinical Chemistry. 4th ed. Chapter 52. London, UK: Academic Press; 2020. p. 913 - 947.
 - **Langman, LJ:** Laboratory Detection of Opioids Lab Medicine Rounds, 2020;
 - Mian P, **Touw, DJ, Sturkenboom MGG.** Meer kennis nodig voor 12-uurs-regime bij overdosering paracetamol. Pharm Weekbl 2021(156):20-23
 - England-Mason G, ..., **Kinniburgh D**, Liu J, Martin JW, Lebel C, Dewey D; APrON Study Team. White matter microstructure mediates the association between prenatal exposure to phthalates and behavior problems in preschool children. Environ Res. 2020 Mar;182:109093. doi: 10.1016/j.envres.2019.109093. Epub 2019 Dec 26. PMID: 32069753; PMCID: PMC7050961.
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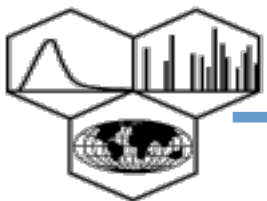
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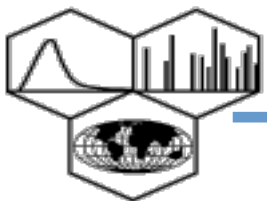
Publications

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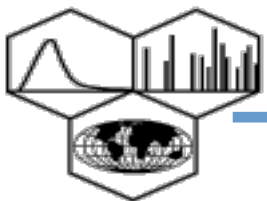
Publications

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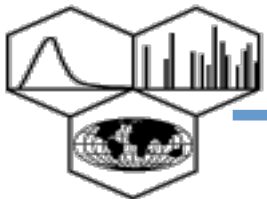
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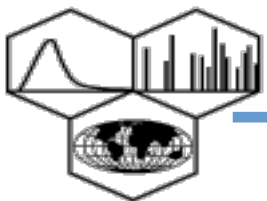
Publications

- Veenhof H,.. **Touw DJ**, et al. Flucloxacillin decreases tacrolimus blood trough levels: a single-center retrospective cohort study. *Eur J Clin Pharmacol.* 2020;76(12):1667-1673. doi: 10.1007/s00228-020-02968-z. PMID: 32712713; PMCID: PMC7661399.
- Huijink TM, .. **Touw DJ**, et al. Metformin Preconditioning and Postconditioning to Reduce Ischemia Reperfusion Injury in an Isolated Ex Vivo Rat and Porcine Kidney Normothermic Machine Perfusion Model. *Clin Transl Sci.* 2021 Jan;14(1):222-230. doi: 10.1111/cts.12846. Epub 2020 Jul 31. PMID: 32702185; PMCID: PMC7877823.
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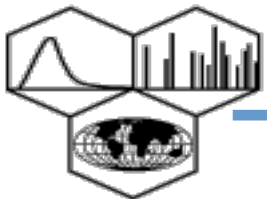
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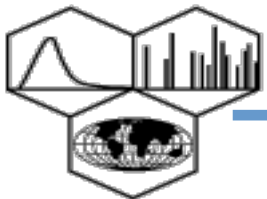
Publications/Activities

- **Cristiana Stefan** CAMH- Toronto's Drug Checking Project funded by Health Canada to support the opioid crisis;
Toronto Star newspaper/podcast Raju-Mudhar-<https://www.thestar.com/>
- Extreme opioids hit Toronto streets causing overdose deaths, Toronto Star, Aug 18 2021 <https://datac.ca/extreme-opioids-hit-toronto-streets-causing-overdose-deaths/>
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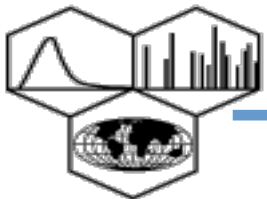
Speaker/ Publications

- Screening for the known unknown and the unknown unknown NPS (2020) Invited Speaker, IATDMCT, 13-16 September (online)
- Substance Harm Reduction: general concepts and the role of the medical laboratory (2020), 4th National Conference of the RALM . Sept 11-2020 (online)
- Scarfone K; **Stefan C**; **Berault DR**; (2021) Diverse psychotropic substances detected in drug and paraphernalia samples submitted to drug checking services in Toronto, Ontario, Canada, October 2019-April 2020 *Submitted*, HARJ-D-21-00113
- Bowles J, ..**Stefan C**; **Berault DR**: Xylazine detected in unregulated opioids and drug administration equipment in Toronto, Canada: clinical and social implications, *In press*, Addiction - Manuscript ID ADD-21-0640, 2021
- Feinstein A, **Stefan C**, et al Impaired Awareness: Why people with multiple sclerosis continue using cannabis despite evidence to the contrary" (2021) Brain and Behavior, Aug;11(8):e2220. doi: 10.1002/brb3.2220. Epub 2021 Jun 4.



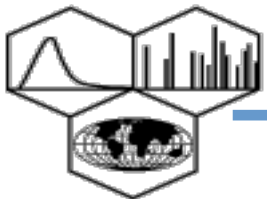
Publications

- Feinstein A., **Stefan C**, et al. Discontinuing cannabis improves depression in people with multiple sclerosis: A short report, *Mult Scler.* Apr 27:636-639. doi: 10.1177/1352458520934070. Epub 2020 Jun 26
- Behlke L, , **Stefan C**, et al. The effect of venlafaxine on ECG intervals during treatment for depression in older adults, *Journal of Clinical Psychopharmacology*, Nov/Dec 2020;40(6):553-559.
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Publications

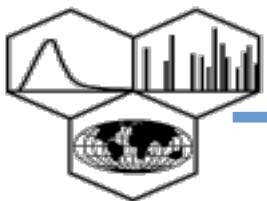
- Higgins, V. **Beriault, DR.** Pushing the new NIH LDL-C equation to its limits. *Journal of Applied Laboratory Medicine*. 2021:
- Mohammad-Ali, Z.,... D. **Beriault, DR.** et al. Implementing effective test utilization via team-based evaluation and revision of a family medicine laboratory test requisition. *BMJ Open Qual*. 2021: doi: 10.1136/bmjopen-2020-001219.
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Publications

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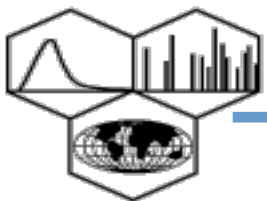


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- Sakran R, .., **Kurnik D**. Acute and severe ribavirin-associated hyperuricemia and acute kidney injury: An under-recognized adverse effect. *Am J Health Syst Pharm*. 2021 Apr 22;78(9):794-799. doi: 10.1093/ajhp/zxab043. PMID: 33617629; PMCID: PMC7929397.
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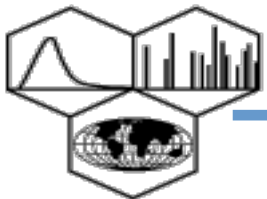
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Publications

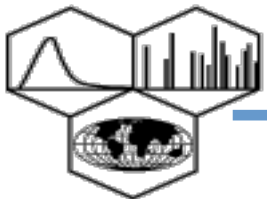
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Reiner Benaim A,.. Kurnik D, et al.. Analyzing Medical Research Results Based on Synthetic Data and Their Relation to Real Data Results Systematic Comparison From Five Observational Studies. JMIR Med Inform. 2020 Feb 20;8(2):e16492. doi: 10.2196/16492. PMID: 32130148; PMCID: PMC7059086.



Publications

- Wu F, **Lyon AW**, **Lyon ME**. Chapter 10.3 The importance of selecting an appropriate method for measuring methotrexate concentration after glucarpidase rescue: immunoassay or LC-MS/MS? in Toxicology Cases for the Clinical and Forensic Laboratory, H. Ketha and U.Garg ed. Elsevier, 2020. pp 161-3.
- **Lyon AW**, Zherebitskiy VA, Wu F. Chapter 20.1 Evaluation of toxicity following ammonia exposure: A case report. in Toxicology Cases for the Clinical and Forensic Laboratory, H. Ketha and U.Garg ed. Elsevier, 2020. pp 397-9.





International Association of Therapeutic Drug Monitoring & Clinical Toxicology
Annual General Meeting | Wednesday, September 22, 2021

Immunosuppressive Drugs Scientific Committee

Chair: Professor Stein Bergan

Oslo University Hospital and University of Oslo, Norway

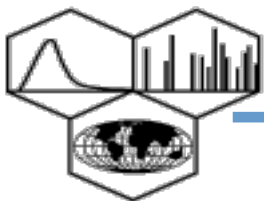
Vice-Chair: Professor Satohiro Masuda

Himeji Dokkyo University, Japan

Committee members

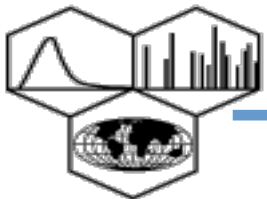
(-2 vs 2020; n=33 per Sept 2021)

- Markus J. Barten,
- Stein Bergan,
- Mercè Brunet,
- Klemens Budde,
- Uwe Christians,
- Laure Elens,
- Dennis Hesselink,
- David W. Holt,
- Kamisha Johnson-Davis,
- Pawel K. Kunicki,
- Loralie J. Langman,
- Florian Lemaitre,
- Pierre Marquet,
- Satoshi Masuda,
- Binu Susan Mathew,
- Olga Millan,
- Michael Milone,
- Dirk-Jan Moes,
- Ofelia Noceti,
- Michael Oellerich,
- Smita Pattanaik,
- Tomasz Pawinski,
- Christoph Seger,
- Les Shaw,
- Maria Shipkova,
- Teun van Gelder,
- Ron van Schaik,
- Raman Venkataramanan,
- Nils Tore Vethe,
- Sander Vinks,
- Pierre Wallemacq,
- Ping Wang,
- Eberhard Wieland



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

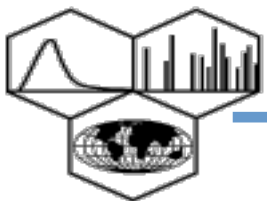


Committee achievements 2020-2021

- Publications (I)

Consensus document

- Mycophenolate Personalized Therapy: Consensus Report by the International Association of Therapeutic Drug Monitoring and Clinical Toxicology
 - 38 authors, majority from the ISD-SC committee, coordinators first and last authors *Bergan* and *Langman*
 - Published in the *TDM journal*,
Ther Drug Monit Volume 43, Number 2, April 2021; p150-200
50 pages; 571 refs.



Committee achievements 2020-2021

- Publications (II)

- A total

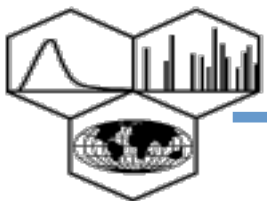
- ...of more than 980 papers authored or co-authored by members (PubMed) over the last two years. (The majority of these are not initiated by the ISD-SC, but to a large degree similar topics and also demonstrating the skills and activities of members of this committee.)

- Published by Florian LeMaitre, Laure Elens & al:

- Potential drug-drug interactions associated with drugs currently proposed for COVID-19 treatment in patients receiving other treatments. *Fundam Clin Pharmacol.* 2020 Oct;34(5):530-547. French Society of Pharmacology, Therapeutics (SFPT), the International Association of Therapeutic Drug Monitoring, Clinical Toxicology (IATDMCT)

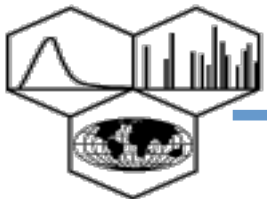
- In preparation:

- Kunicki, Pawinski et al: Generic medicinal products in immunosuppressive therapy – should it be a challenge for therapeutic drug monitoring?



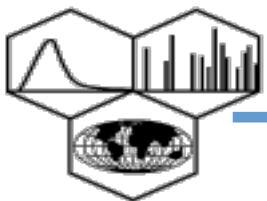
Committee achievements 2020-2021

- Participations in Symposia and Workshops (I)
 - American Association for Clinical Chemistry (2020) Symposium “Is therapeutic drug monitoring for organ transplantation on the bleeding edge?”; Kamisha Johnson-Davis
 - 18th IATDMCT Congress; Banff, Canada, Sept-Oct 2020. Members of the ISD committee contributed to several symposia. A pre-congress symposium, Update on MPA TDM, was prepared and accepted but postponed due to conversion to a virtual congress.



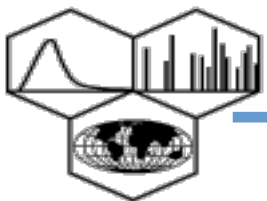
Committee achievements 2020-2021

- Participations in Symposia and Workshops (II)
 - 19th IATDMCT Congress; Rome, Italy, Sept 2021.
Contributions from members of the ISD-committee:
 - Chairing 4 sessions
 - Symposium 1 New issues in immunosuppression
 - Oral Session: Miscellaneous 1
 - Oral Session: Immunosuppressants
 - Symposium 17: Young Scientist Committee Symposium 2021
 - plus 10 oral presentations related to immunosuppressives and also 7 more presentations on other topics.
 - Morning roundtables, Poster presentations (not listed yet)



Committee achievements 2020-2021

- **Compass –active participation**
 - Compass vol 20 issue 2, June 2021
 - Don't get lost in busulfan translation;
S.Bergan, Oslo University Hospital, Norway
 - Compass vol 19 issue 2, June 2020
 - The potential of the IATDMCT Scientific Committees;
S.Bergan, Oslo University Hospital, Norway
 - Compass vol 19 issue 1, March 2020
 - Report on the symposium Therapeutic drug monitoring of immunosuppressants: Clinical challenges and analytical issues. At the 16th Congress of the Asian Society of Transplantation. By Dr. Smita Pattanaik, Post Graduate Institute of Medical Education and Research (PGIMER), Chandigarh, India.



Committee achievements 2020-2021

- Educational activities

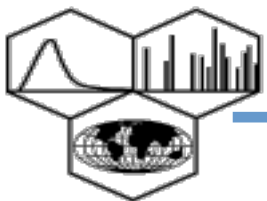
- We have an initiative to establish a course in TDM related to transplantation.

So far this is still a plan at an early stage.

It will be a course to follow online. The initiative is currently being followed up by a discussion in the ISD-SC committee. Several questions need to be solved upfront, regarding target audience and level, scope of the course and included topics, format and platform for presentations of the course.

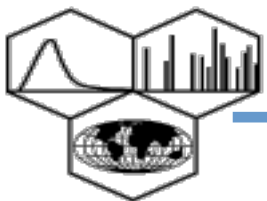
First step is to establish a group of members to address this.

Sept 2021 update: This task has been on hold due to other priorities and the pandemic. It is the intention of the ISD-committee to revive this initiative.



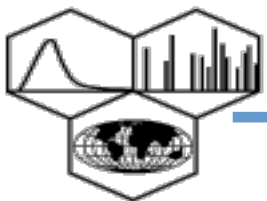
Working groups achievements 2020-2021

- Intracellular tacrolimus measurement Working Group
(Leader: Florian Lemaitre)
 - Publication:
Measuring Intracellular Concentrations of Calcineurin Inhibitors:
Expert Consensus from the International Association of
Therapeutic Drug Monitoring and Clinical Toxicology (IATDMCT)
Expert Panel. Lemaitre F. & al.;
Ther Drug Monit 2020;42:665–670; PMID 32520841



Working groups achievements 2020-2021

- Standardization of ISD TDM Working Group
(Leaders: C. Seger, L. Langman)
 - The joint committee between IATDMCT and IFCC is now formally established
 - “IATDMCT and IFCC agreed to cooperate in various areas to improve the development of laboratory medicine in therapeutic drug monitoring (TDM)”
- June 2020: Signed by IATDMCT president Yusuke Tanigawara and IFCC president Khosrow Adeli

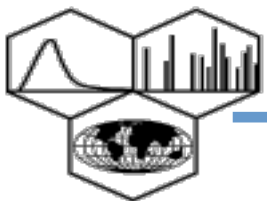


Working groups achievements 2020-2021

- Biomarkers working group

(Leader: Uwe Christians)

- Background & Purpose of the Working group
- To promote the study of promising biomarkers in the detection of individual immune response and in the prediction of the risk of rejection, immunosuppressant–related toxicity and graft dysfunction;
- To enhance cross validation biomarkers in independent populations and different laboratories, using the same standardized methodology, to guide therapy in clinical practice, to prevent drug-induced adverse effects and improve treatment efficacy;
- To coordinate specific research on biomarkers of immunosuppression, as a complement to pharmacokinetics, and to develop improved models for better multiple PK/PD data analysis correlation and their impact on clinical outcome;
- To encourage consensus documents on PK/PD monitoring by the BWG for the promotion of new approaches in immunosuppressive drug selection and adjustment, to achieve safer personalized treatment; and
- To participate in the design of prospective multicentric clinical studies, as a part of a multidisciplinary group of specialist, for clinical validation of biomarkers of immunosuppression.





International Association of Therapeutic Drug Monitoring
Annual General Meeting | Monday, November 30, 2020

Pharmacogenetics Committee

Jesse Swen (Chair)

Leiden University MC, NL

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, NL

Steven Wong

Wake Forest School of Med., USA

Teun van Gelder

Leiden University MC, 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

Vincent Haufroid

University of Louvain, Brussels, BE

Smitta Pattanaik

Institute of Med. Educ & Res
Chandigarh India

Recent activities

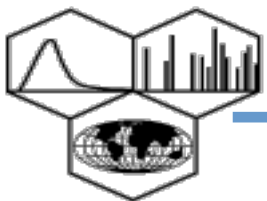
- Publications in TDM journal

Contribution to: Mycophenolate Personalized Therapy: Consensus Report by the International Association of Therapeutic Drug Monitoring and Clinical Toxicology (lead by prof Stein Bergan) *Ther Drug Monit 2021 Apr 1;43(2):150-200*

- Contribution in IATDMCT compass

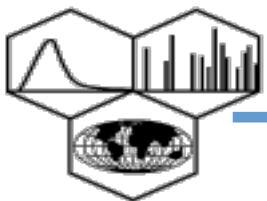
Swen JJ and **Picard N** on behalf of the Pharmacogenetics Committee. The use of pre-transplant pharmacogenetic testing of CYP3A4 and CYP3A5 to tailor tacrolimus treatment in adult kidney transplantation; a short survey of the IATDMCT PGx committee members
IATDMCT Compass IV 2020

- Conference Session “Clinical implementation of Pharmacogenomics”
IATDMCT annual meeting



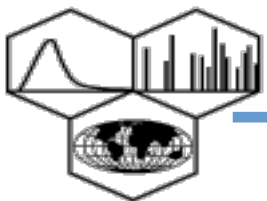
Connections

- CPIC (JS, RvS, VH, ML, JSv, JSt)
- Dutch Pharmacogenetics Working Group (JS, RvS)
- French National Network of Pharmacogenetics, RNPGx (NP, VH)
- EMA Pharmacogenetics Working Party (RvS)
- Ubiquitous Pharmacogenomics Project (UPGX) (JS)
- IFCC Pharmacogenetic Task Force (RvS)
- ESPT (European Soc Pharmacogenetics) (RvS)
- AACCC Personalized Medicine Division (RvS)



Future activities

- Make proposals for IATDMCT PGx session in Prague, 2022
- Solicit new members to the committee
- 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 a closer connection with CPIC regarding PGx guidelines





International Association of Therapeutic Drug Monitoring & Clinical Toxicology
Annual General Meeting | Wednesday, September 22, 2021

Pharmacometrics committee

Chair: Brenda De Winter

Erasmus Medical Center, Rotterdam, the Netherlands

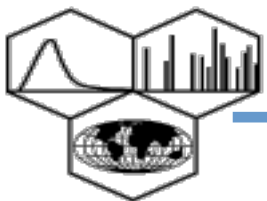
Vice-Chair: Jean-Baptiste Woillard

CHU Limoges, University of Limoges, Limoges, France

Members: Maurice Ahsman, Erwin Dreesen, Sven van Dijkman, Laure Elens, Ron Keizer, Iris Minichmayr, Tomoyuki Mizuno, Dirk Jan Moes, Michael Neely, Paula Schaiquevich, Jana Stojanova, Katarina Vučićević and Sebastian Wicha

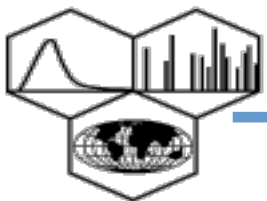
Aims of the committee

- Advance the field of "model-informed precision dosing" and its application in the clinical setting across different therapeutic areas.
- Improve the design of clinical trials based on PM models using optimising study designs.
- To develop and share educational tools about clinical pharmacometrics.
- To have transversal activities with other committees of the IATDMCT.
- To actively participate in joint meetings with other societies.



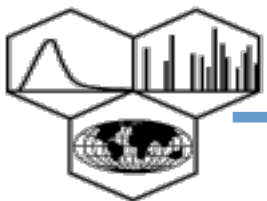
Recent activities

- Organization of a pre-congress symposium in IATDMCT congress in Rome
- “Pharmacometrics-enhanced TDM”
 - It consists of two parts:
 - the first covering basic pharmacometric modelling;
 - the second precision dosing and clinical trial optimization.
- Roundtable in Rome: the use of machine learning approaches in clinical pharmacology.



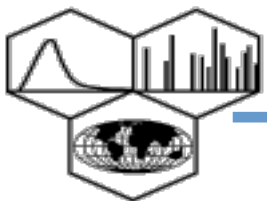
Activities

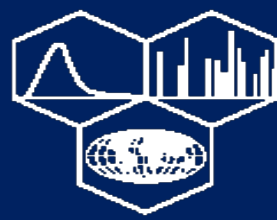
- Planning educational tools to inspire IATDMCT members to use pharmacometrics
- Discussion during 2 zoom meetings with our committee in 2021



Publications

- Contributions in IATDMCT COMPASS
 - **Application of machine learning to estimate immunosuppressant exposure: towards a new way to perform therapeutic drug monitoring?** JB Woillard and P Marquet, march 2021
 - **Model-based starting dose for tacrolimus in adult in kidney transplant recipients, novel pharmacokinetic applications, and an invitation to learn about these approaches at the Congress in Rome** M Francke, BCM de Winter, S van Dijkman and J Stojanova, august 2021





International Association of Therapeutic Drug Monitoring & Clinical Toxicology
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Oncology Committee

Chair: Professor Gareth Veal
Newcastle University, UK

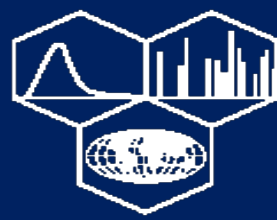
Vice-Chair: TBD

Members: Teun van Gelder, Jan Beumer, Jenny Martin, Sal Salamone, Etienne Chatelut, Markus Joerger, Alan Fotoohi, Vikram Gota, Bill Clarke, Dirk Jan Moes, Yusuke Tanigawara, Azucena Aldaz, Paula Schaiquevich, HuaLin Cai, Fabienne Thomas, Oliver Scherf-Clavel, Yan Miao, Marina Antunes, Jyoti Nehra, Manjunath Nookala, Edward Chu

Oncology Committee Activities

- **Activities**
 - Completion and publication of Imatinib TDM consensus guidelines from committee (in press)
 - Contributions to Compass magazine
 - Contributions to Rome meeting
 - Original research articles and review papers covering TDM of a wide range of anticancer drugs in both paediatric and adult cancer populations
 - Presentations on TDM in oncology by committee members at international meetings
- **Key publications**
 - Consensus guidelines for TDM of Imatinib (*European Journal of Cancer*)
 - Themed issue on 'precision dosing in oncology' (*BJCP* Volume 87, Issue 2)
 - Research topic on 'Therapeutic Drug Monitoring and Clinical Toxicology of Anti-Cancer Drugs' in *Frontiers in Oncology*
- **Compass contribution**
 - Is there a future for TDM of Monoclonal Antibodies in Onco-Hematology? – Etienne Chatelut (June 2021, Volume 20 Issue 2)





International Association of Therapeutic Drug Monitoring & Clinical Toxicology
Annual General Meeting | Wednesday, September 22, 2021

TDM of Biologics Committee

Chair: Núria Padullés-Zamora (until Sept,2021)

Department of Pharmacy, Hospital Universitari de Bellvitge. Institut d'Investigació Biomèdica de Bellvitge-IDIBELL. Barcelona.
School of Pharmacy, Universitat de Barcelona

Vice-Chair: Murray Barclay (until Sept,2021)

Departments of Clinical Pharmacology & Gastroenterology, Canterbury District Health Board, Christchurch, New Zealand.
University of Otago.

Chairing

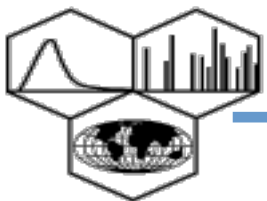
- **New chair and vice-chair:**

Chair: Annick de Vries (per September 2021)

Sanquin Diagnostic Services, Sanquin, Amsterdam, NL

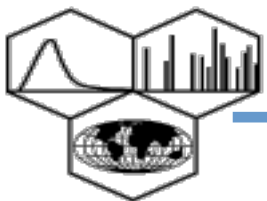
Vice-Chair: Dirk Jan Moes (per September 2021)

Department of Clinical Pharmacy and Toxicology, Leiden University Medical Centre,
Leiden, NL



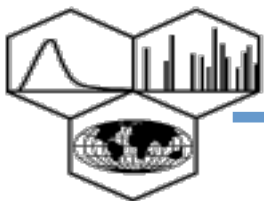
Committee membership (updated Sept 2021)

- Annick de Vries
- Anne Strik
- Bella Ungar
- Catherine Smith
- David Foster
- David Ternant
- Debby Thomas
- *Dirk Jan Moes (new 2020-2021)*
- Gertjan Wolbink
- Helena Colom-Codina
- Jordi Guardiola
- *J German Sanchez (new 2020-2021)*
- *Konstantinos Papamichail (new 2020-2021)*
- Lisa Stamp
- Murray Barclay
- Niels Vande Castele
- Núria Padullés-Zamora
- *Patricio Mas-Serrano (new 2020-2021)*
- Satohiro Masuda
- Tomoyuki Mizuno
- *Zoe van Kempen (new 2020-2021)*



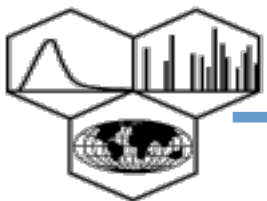
Purpose

- The TDM of Biologics Scientific Committee was officially launched at the 2019 IATDMCT Congress.
- The aims of the committee are:
 - To develop guidelines for the use of TDM of biologics, starting with one.
 - To encourage the use of TDM of biologics with the aim of optimising clinical drug use and outcomes.
 - To promote development of PK and PKPD models that can be used for dose adjustment in clinical practice.
 - To provide knowledge of PK and the PK-response interactions.
 - To enhance collaboration between groups working in the field and disseminate research in this area.
 - To provide information on the measurement and clinical relevance of antibodies to biologics.



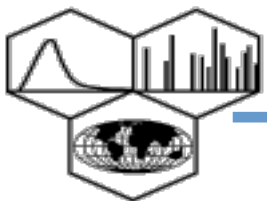
Scientific contributions

- Members of the biologics committee have more than 50 peer reviewed papers related to TDM of biologics during 2019, 2020 and 2021
- Active participation in national and international conferences during 2019, 2020 and 2021
- Compass submissions: 2019 (1), 2020 (3), 2021 (1)
- IATDMCT 2021 Congress: Symposium (Therapeutic drug monitoring of biologics in immune-mediated inflammatory diseases other than IBD) and a morning roundtable on biotherapeutics



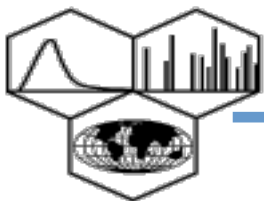
Committee initiatives – to be evaluated Sept 2021

- These initiatives as determined in September 2019 have been fallen victim of Corona measures. Hence, we propose to determine again in Sept 2021
- Ideas were:
 - To continue contributions for Compass.
 - To suggest some names of new members (TDM of Biologics in Oncology) or propose a collaboration with the TDM in Oncology Scientific Committee and the Pharmacometrics Committee .
 - To update website
 - To submit proposals for workshops and symposia for the next IATDMCT Congresses.
 - To seek opportunities for affiliation with other societies
 - To re-organise educational activities (workshops) cancelled in 2020-2021 (see next slide)



Educational activities

- Educational activities (workshops) cancelled in 2020 will be re-organised during 2022 and 2023.
 - Some of them were (add missing items Sept 2021):
- University of Barcelona and Hospital Universitari de Bellvitge. IDIBELL: two workshops were organised but cancelled due to the pandemic in 2020:
 - I Jornada de Actualización Práctica en Monitorización Farmacocinética. Situación actual y perspectivas de futuro (cancelled twice-March and Nov 2020). Location: Hospital Universitari de Bellvitge.
 - Population modeling with Pmetrics and dose optimization with BestDose web-based tool. Location: Bellvitge Health Sciences Campus. School of Medicine. Barcelona (july 2020)
- Sanquin,
 - Masterclass TDM of Biologics, October 2020 and 2021- cancelled



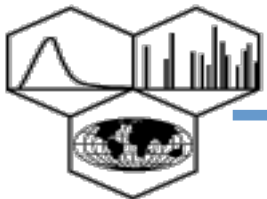
New aims for TDM of Biologics Committee

■ 2022

- Organise educational material to support TDM of biologics and create platform with clinicians and other relevant health care professionals
- Write guidelines for TDM for one biologics: infliximab to be published in Compass
- Advocate routes and available proficiency testing on IATDMCT website

■ Symposia 2022 conference

- Symposia on how to implement TDM of biologics in inflammatory disease
- Symposium on show data on variation in PK for biologics used in oncology possibly ditto in cardiovascular disease
 - In collaboration with IATDMCT committee on oncology



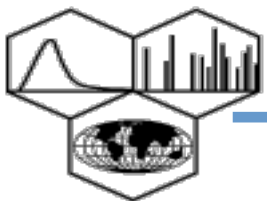
New aims for TDM of Biologics Committee

■ 2023

- Improve educational material to support TDM of biologics and create platform with clinicians and other relevant health care professionals
- Extend guidelines for TDM for one biologics: to be determined
- ? TBD

■ Symposia 2023

- Symposia on how to implement TDM of biologics in inflammatory disease
- Symposium on implementation of TDM of biologics used in oncology possibly ditto in cardiovascular disease
- TBD





International Association of Therapeutic Drug Monitoring & Clinical Toxicology
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Toxicology and Environmental Health

Chair: Nicolas Venisse

University Hospital of Poitiers, France

Vice-Chair: David Kinniburgh

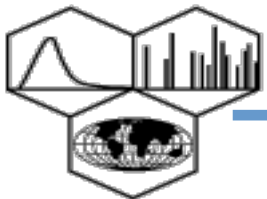
University of Calgary, Canada

From September, 2021 :

New Chair and Vice-Chair: to be confirmed at the committee meeting

Committee membership

- 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
- Noémie Plattard, Montreal, Canada
- Julien Robin, Poitiers, France
- Steeve Rouillon, Créteil, France
- Franck Saint Marcoux, Limoges, France

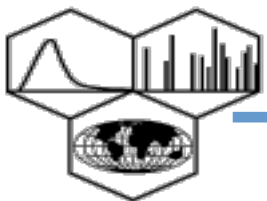


Committee Initiatives Completed in 2021

- **Article for Compass:** Interest of human hair for the biomonitoring of short half-lived endocrine disrupting chemicals by Julien Robin, Alexis Sauvaget and Nicolas Venisse, Sept 2021, 20(3).
- **Symposium for the 2021 IATDMCT congress:**

Role of metabolite measurement in risk assessment of xenobiotic compounds: analytical and toxicokinetic aspects

- Markus R Meyer : the complexity of human metabolism and how it can be explored through in vitro and in vivo approach
- Roy Gerona: Bisphenol: weakness of deconjugation methods and its impact on biomonitoring
- Antoine Dupuis: the role of metabolite determination in risk assessment



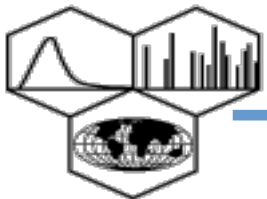
Committee Initiatives Completed in 2021

- **Roundtable for the 2021 IATDMCT congress:**
Interpretation of metal concentrations in blood and urine by **Souleiman El Balkhi and David Kinniburgh**
- **Collaborative publication from committee members:** An overview of the literature on emerging pollutants: chlorinated derivatives of Bisphenol A by **Plattard N, Dupuis A, Migeot V, Haddad S, Venisse N**. Environ Int 2021
- **Participation in other international conferences:** Society of Toxicology (SOT) Annual Meeting (virtual)
Tetrachlorobisphenol A Toxicokinetics in Male Sprague-Dawley Rats, by **Plattard N, Venisse N, Badirou K, Haddad**.



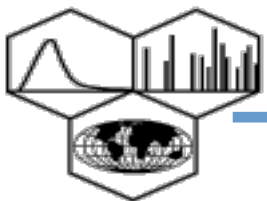
Committee Initiatives Completed in 2021

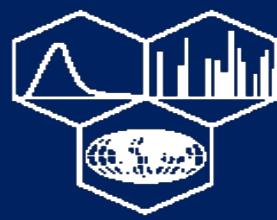
- **Participation in working groups for national agencies : Sami Haddad and Nicolas Venisse** are member of the working group on **Biomarkers of exposure, French Agency for Food, Environmental and Occupational Health & Safety (ANSES)**



Future activities

- **Make proposals for the 20th IATDMCT congress**
- **Make submissions to Compass**
- **Make submissions to Therapeutic Drug Monitoring**
- **Finalizing the Guideline on bioanalytical validation in Environmental Toxicology.**





International Association of Therapeutic Drug Monitoring & Clinical Toxicology
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Communications Committee

Chair: Professor Ofelia Noceti

National Center for Liver Transplantation
& Liver Diseases (Uruguay)

- **Natalia Riva (Argentina)**
- **Alain Verstraete (Belgium)**
- **Manuela Neuman (Canada)**
- **Jana Stojanova (Australia)**
- **Olga Millan Lopez (Spain)**
- **Kamisha Johnson-Davis (USA)**

- **Maria Shipkova (Germany)**

Vice-Chair: Professor Ryuji Kato

Osaka Medical and Pharmaceutical
University (Japan)

- **Louise Andrews (Netherlands)**
- **Lusia Sepiashvili (Canada)**
- **Miao Yan (China)**
- **Denise McKeown (United Kingdom)**
- **Laure Elens (Belgium)**

- **Debbie Marriott (Australia)**
- **Staffan Rosenborg (Sweden)**
- **Markus Meyer (Germany)**

Compass Quarterly Newsletter



Dec 2020



Natalia Riva (Editor in Chief)
Louise Andrews (Associate Editor)
Lusia Sepia
 (Louise's replacement April – Sept 2021)

Sept 2020



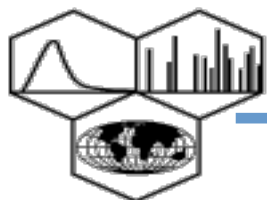
March 2021



June 2021



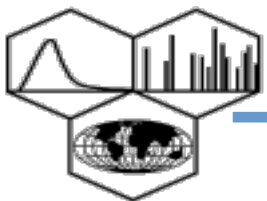
Sept 2021



International Association of Therapeutic Drug Monitoring

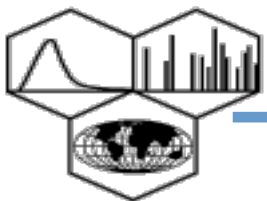
Committees' Contributions to COMPASS

YSC	4
Pharmacometrics	3
Alternative Sampling	3
Toxicology & Environmental Health	2
Clinical Toxicology & Drugs of Misuse	2
TDM in Biologics	2
PGx	1
Immunosuppressive	1
Oncology	1
Anti-Infective Drugs	1
Communications	1



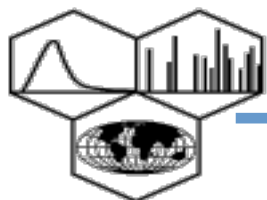
In Memoriam

- Roger Jelliffe by Mike Neely, Paula Schaiquevich & Azucena Aldaz
- Maria Delfina Molinaro by Dario Cattaneo & Mario Ragazzi
- Charles E. Pippenger by Steven Wong



More Contributions outside Committees

- **Message from IATDMCT President, Yusuke Tanigawara**
- **Reflections on the 2020 IATDMCT Virtual Meeting, Hans Maurer**
- **Congress Winners 2020: Nick Verougstraete, Emilia Hoste, Zachary-Taylor, Alexandra Degraeve**
- **Amphotericine Formulations, Ofelia Noceti**
- **Workshop on PMETRICS, N Riva & A Zuluaga**
- **Focus-Issues, Maria Shipkova & Uwe Christians**



IATDMCT E-News (monthly) & Blog

Co-Editors: Manuela Neuman & Ryuji Kato
E - mail latest topics & news to members

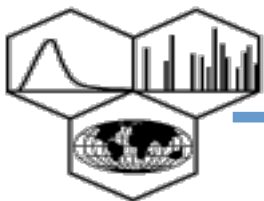
- Topics: Office news, Congress updates, advertisements, new report of academic activities of members from the Scientific Committees, blog



Blog Author: Jana Stojanova

Post interviews with IATDMCT members & news highlights

9 Interviews + 3 highlights



IATDMCT Website

Alain Verstraete & Ofelia Noceti

**Working on Website remodeling
& quote for migration towards a
New Modern site!**

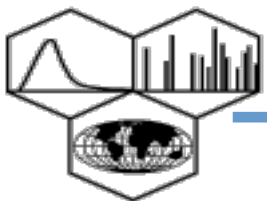


1,5 Sessions/user

Time 2,06 mins

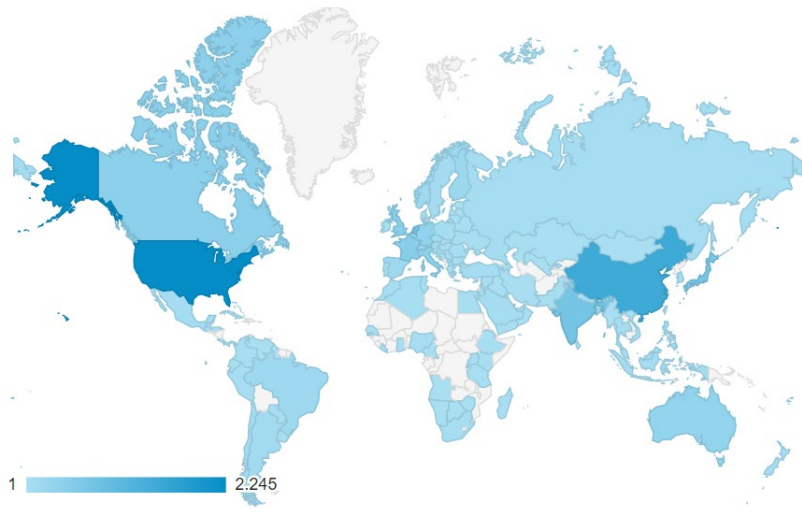
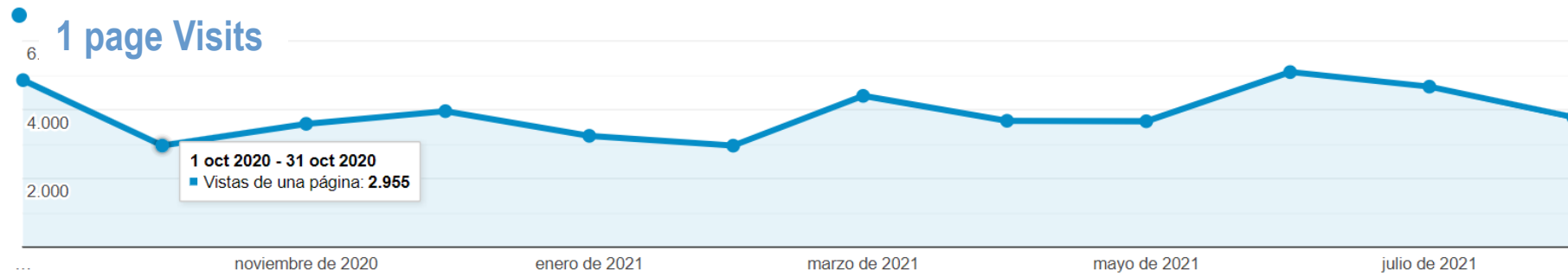
50 users /day

Membership /Congress / SC, guidelines / Benefits

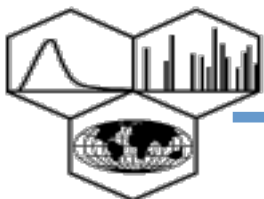


IATDMCT Website Analytics

Ordenadores	Móviles	Tablets
81,9 %	17,3 %	0,8 %
↓ 5,1 %	↓ 30,2 %	↓ 39,8 %

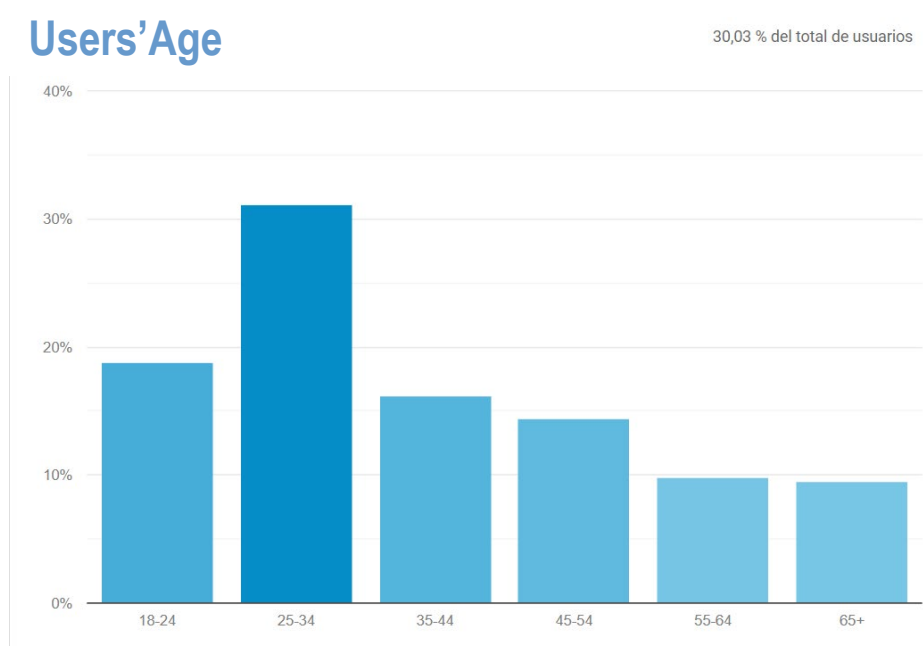


Country	Users	Percentage
1. United States	2.245	20,36 %
2. China	1.453	13,17 %
3. Netherlands	709	6,43 %
4. India	708	6,42 %
5. Japan	667	6,05 %
6. France	463	4,20 %
7. United Kingdom	418	3,79 %
8. Italy	402	3,64 %
9. Canada	401	3,64 %
10. Germany	328	2,97 %

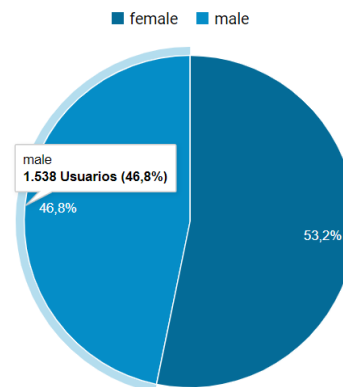


IATDMCT Website Analytics

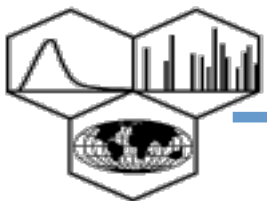
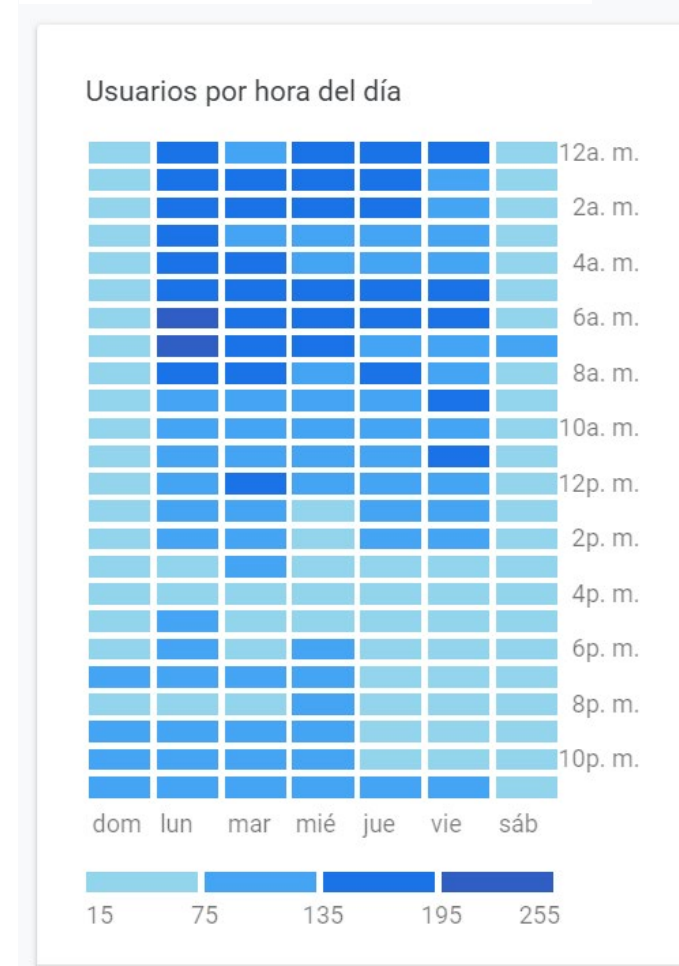
Users' Age



Users by sex

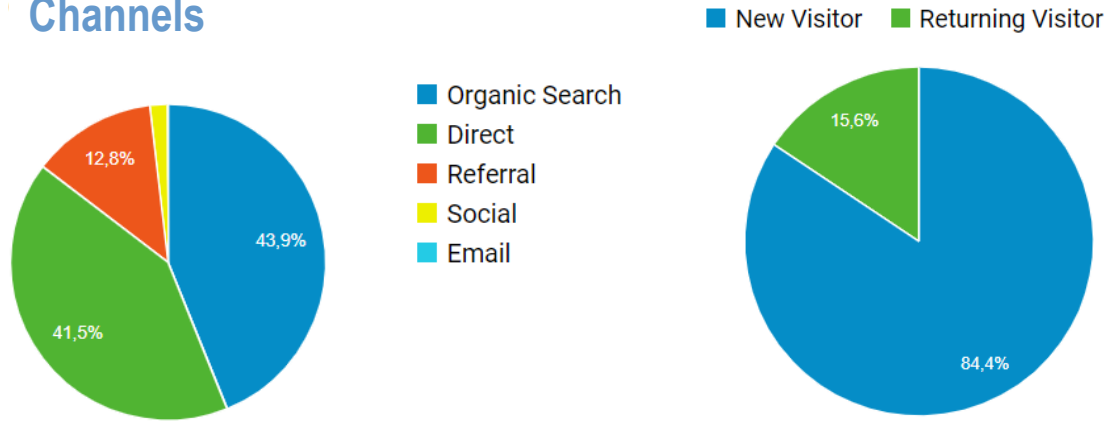


Time for Users' Visit

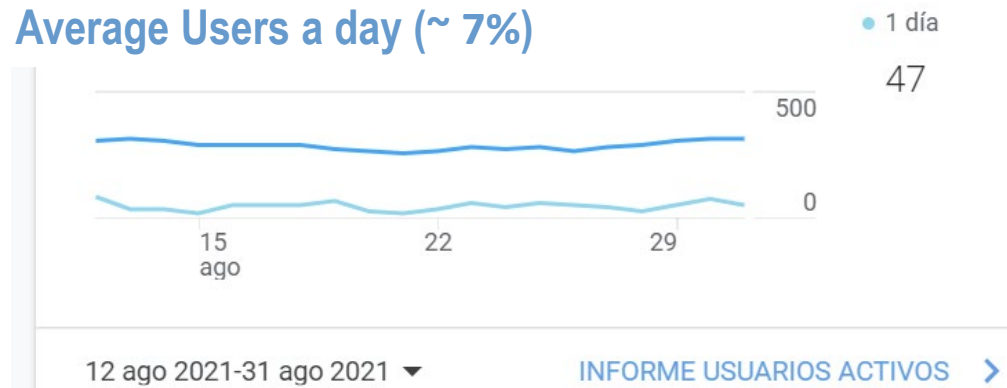


IATDMCT Website Analytics

Channels



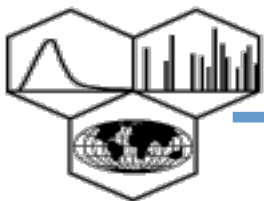
Average Users a day (~ 7%)



More visited Sections

Página	Número de páginas vistas
/	10.130
/membership/member-login.html	2.797
/events/iatdmct-congress.html	2.629
/membership.html	1.269
/about-us.html	1.163
/scientific-committees.html	940
/component/membership/?task=main	780
/member-benefits	763
/about-us/about-assoc...finitions-tdm-ct.html	716
/events/events-calendar.html	676

1 sept 2020-31 ago 2021 [INFORME](#)



Social Media



@ IATDMCT

2170 followers ↑ + 66

8 tweets / month

335 Visits 6151 Views /month

9 mentions / month

♥ 4 / post

↻ 4 / post ↗ < 1 / post



LINKEDIN

984 Contacts

278 followers ↑ + 21

5 post / month

👍 Like 27 / post

💬 Comment 2 / post

📊 Views 1430 / post



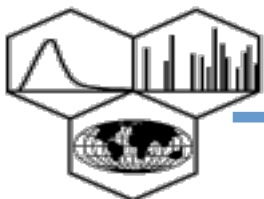
INSTAGRAM – 07/16/21

18 followers

19 post

♥ 2

Consensus document
Congress Virtual posts
Congress Awards Winners
Compass
Holidays Greetings



Directors of Education

Debbie Marriott



Markus Meyer

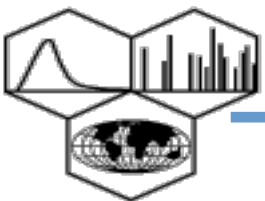


Staffan Rosenberg



Asia-Pacific TDM workshop postponed to October 2021

10 Travel Grant applications reviewed for the Rome Congress



IATMCT 2021 Congress Adverts



Denise McKeown &
Office Design Support

Feb & Apr 2021 Issue

IATDMCT 2021
19th INTERNATIONAL CONGRESS OF THERAPEUTIC DRUG MONITORING & CLINICAL TOXICOLOGY
"Nobody is average" 19-22 SEPTEMBER 2021
ROME, ITALY

Location:
Angelicum Congress Centre
Large Angelicum, 1
Rome

Chair:
Mario Regazzi
Italian Society of Biopharmaceutics and Pharmacokinetics
Pavia, Italy

Co-Chair:
Franco Locatelli
U.D. di Onco-Ematologia
IRCCS - Ospedale Pediatrico Bambin Gesù - Rome, Italy

www.iatdmct2021.org

Jun & Aug 2021 Issue

IATDMCT 2021
19th INTERNATIONAL CONGRESS OF THERAPEUTIC DRUG MONITORING & CLINICAL TOXICOLOGY
"Nobody is average" 19-22 SEPTEMBER 2021
ROME, ITALY

IMPORTANT DATES

- Abstract and poster submission: CLOSED
- Online registration: OPEN
- Abstract and poster submission deadline: postponed to 26th April 2021
- Abstract and poster acceptance notification to authors: 10th May 2021
- Late abstract submission opening: 11th May 2021
- Late abstract submission deadline: 30th May 2021
- Authors' registration deadline: 1st June 2021
- Early bird registration deadline: 10th June 2021
- Late abstract acceptance notification: 16th June 2021
- Online late registration deadline: 6th September 2021

The Organizing Secretariat worked in the last months on a detailed safety protocol to make sure the Congress will be safe for every person involved. All staff members will be trained in order to follow the procedures for preventing the spread of the virus. The protocol dictates all the measures that organizers, participants, sponsors, suppliers and every person involved in the Congress will need to follow.

Participants are already able to upload a certificate for the vaccine during the registration, or to pre-purchase at a reduced fee and swab outside the Congress venue, to guarantee the safety of everyone during the Congress and the social activities.

To see every information on our safety procedures, please visit the [Safe Meeting page](#) on our official website.

<https://iatdmct2021.org/>

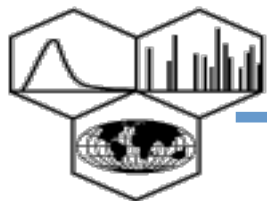
Oct 2021 Issue

BRIDGING THE TROUBLED WATERS

IATDMCT PRAGUE 2022
20th INTERNATIONAL CONGRESS OF THERAPEUTIC DRUG MONITORING AND CLINICAL TOXICOLOGY
18. - 21. 9. 2022
CLARION CONGRESS HOTEL PRAGUE

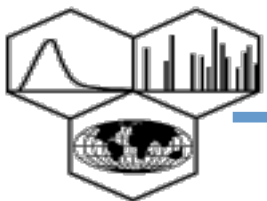
SAVE THE DATE

www.iatdmct2022.org



Communications Committee

- Thank you Team for Your Outstanding Job!





International Association of Therapeutic Drug Monitoring & Clinical Toxicology
Annual General Meeting | Wednesday, September 22, 2021

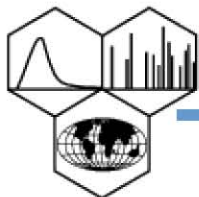
Young Scientist Committee

Chair: Professor Laure Elens
Catholic University of Louvain

Vice-Chair: Professor Brenda de Winter
Erasmus Medical center

Rome Congress

- YS symposium Rome 2021: a 3-speeches session
 - *Social media, a tool for pharmacology education.* **Picard Nicolas**
 - *SimPHARM: a state-of-the-art simulation software to empower students.* **Stephen Duffull**
 - *Bioassays for activity-based screening and functional characterization of New Psychoactive substances.* **Eline Pottie**



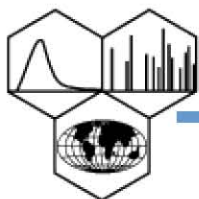
Compass contributions

■ Contribution of the Awardees of the YS awards at the virtual congress 2020

- Best Poster in TDM : *Effect of antibiotics-mediated microbiota depletion on tacrolimus pharmacokinetics in mice model.* **A. Degraeve**
- Best Poster in clinical Toxicology: *Toxicokinetics and muscle-related toxicity of atorvastatin in vitro.* **E. Hoste**

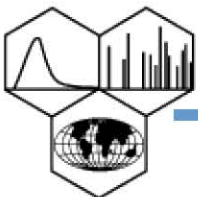
■ Contribution from the YSC members

- Sophie Stocker and Ranita Kirubakaran : *Precision dosing of tacrolimus in adult heart transplant recipients*
- Yosuke Suzuki : *The Fourth JSTDM-IATDMCT Young scientist Joint Symposium at the 37th Annual meeting of the Japanese Society of therapeutic drug monitoring*



Activities

- YS award pre-selection of abstracts
 - Independant review of 119 eligible astracts for both best poster and best oral presentation awards (49 oral and 70 posters) based on
 - Clarity
 - Significance/impact
 - Scientific content/technical challenge
 - Scientific novelty
 - Pre-selection of the top 5 of each category for on site evaluation:
 - Originality, scinetific or clinical importance
 - Degree of scientific/technical content and challenge
 - Knowledge of subject area and ability to respond to questions
 - Quality of the poster/slides, structure, visual presentation and delivery of oral presentation.



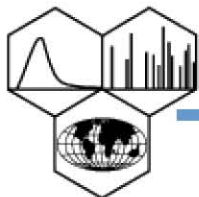
Activities

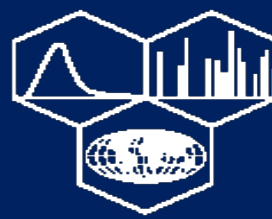
- June 2021: *Fourth JSTDM-IATDMCT Young scientist Joint Symposium at the 37th Annual meeting of the Japanese Society of therapeutic drug monitoring*
- YSC members are active in other SC (e.g. Brenda de Winter chair of the PMx committee and pre-congress symposia organization)
- YS night out in the ruins of the stadium of Domitian during Rome congress



Next activities

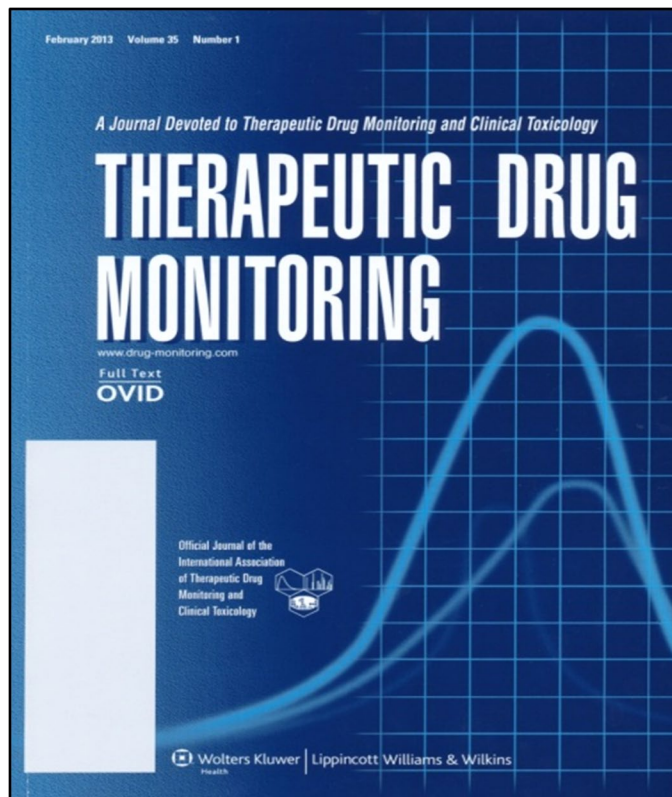
- Joint symposium with the PMx committee
- Meet-the-expert session (decision to cancel it in Rome due to the uncertainties related to the pandemics and the low number of in-person YS attendees).





International Association of Therapeutic Drug Monitoring & Clinical Toxicology
Annual General Meeting | Wednesday, September 22, 2021

Therapeutic Drug Monitoring Editorial Office Report



- **Uwe Christians MD, PhD** **Editor-in-Chief**
- **Michael Oellerich, MD, PhD** **Associate Editor**
- **Philip Patsalos, PhD** **Associate Editor**
- **Maria Shipkova, MD** **Reviews Editor**
- **Wanzhu Zhao, MA** **Managing Editor**

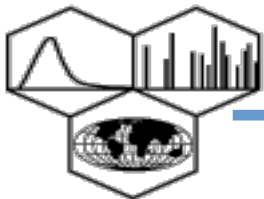
Submission statistics

From 09/01/2020 to 08/13/2021

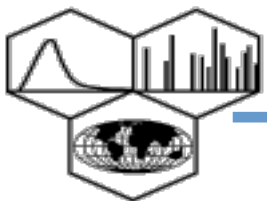
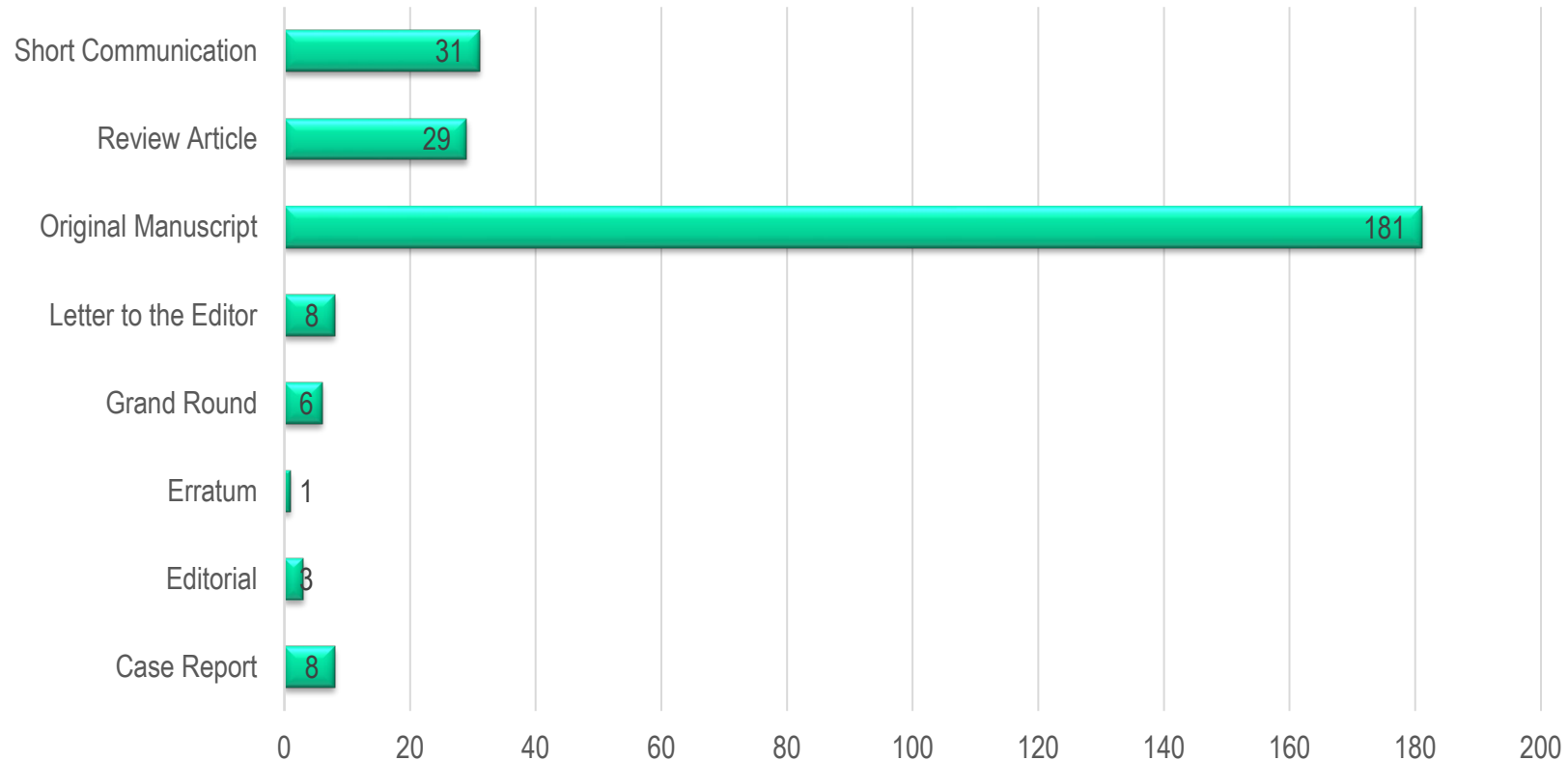
- Total manuscripts received: 267
- Accept: 28%
- Reject: 47%
- Pending: 20%
- Others: 5%

Submission Statistics

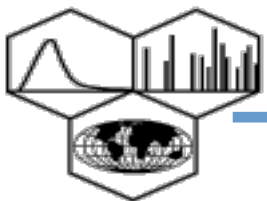
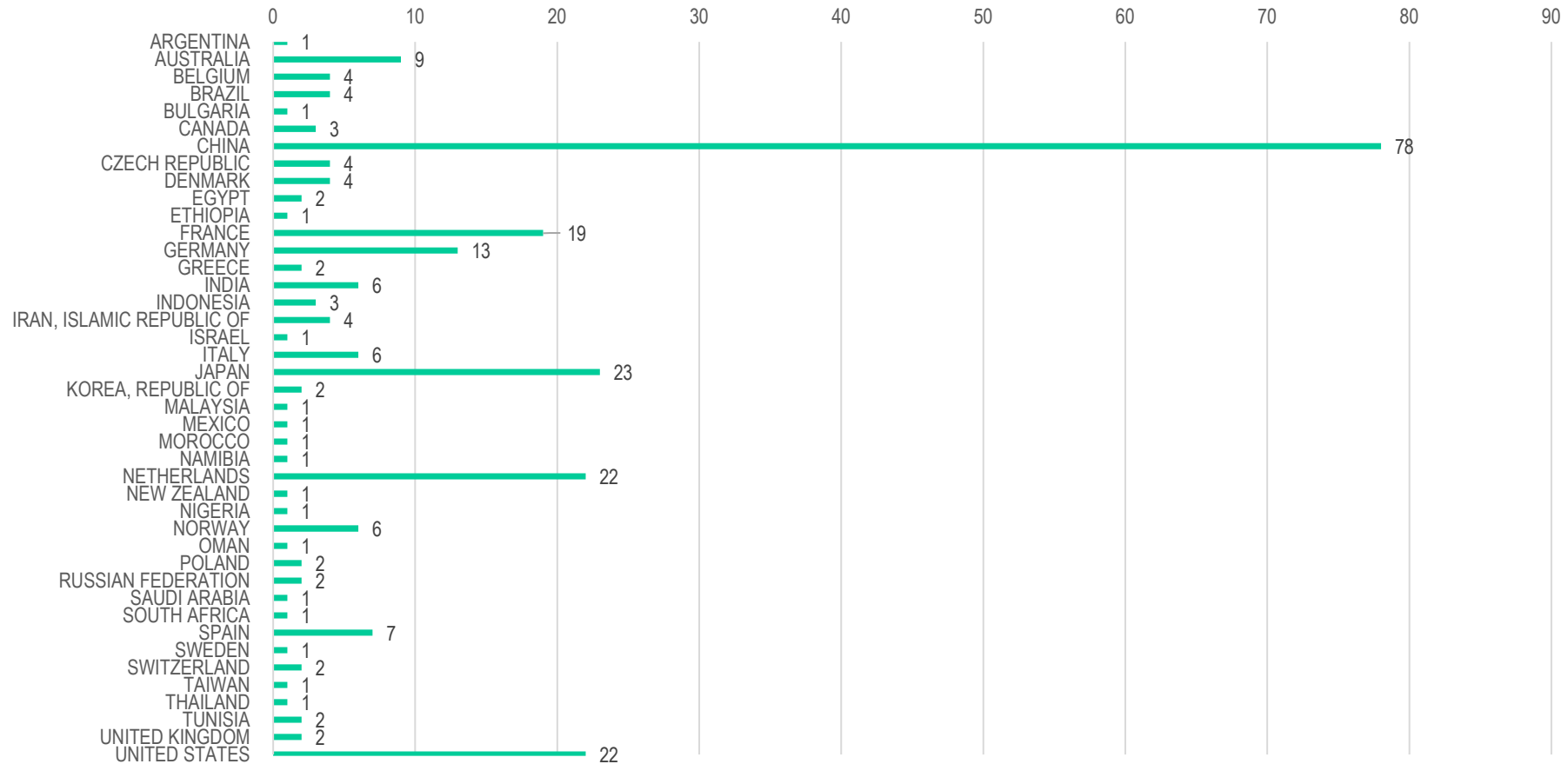
New Manuscripts Received (by First Receipt Date)	266
New Manuscripts Received (by current Initial Date Submitted)	267
Submissions Removed by the Journal Office	0
Submissions Transferred	0
Manuscripts Submitted but not yet Assigned to an Editor	0
Manuscripts Returned to the Author and Removed by the Author	1
Revisions Requested	159
Revised Manuscripts Received	153



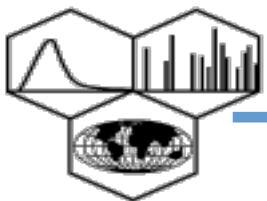
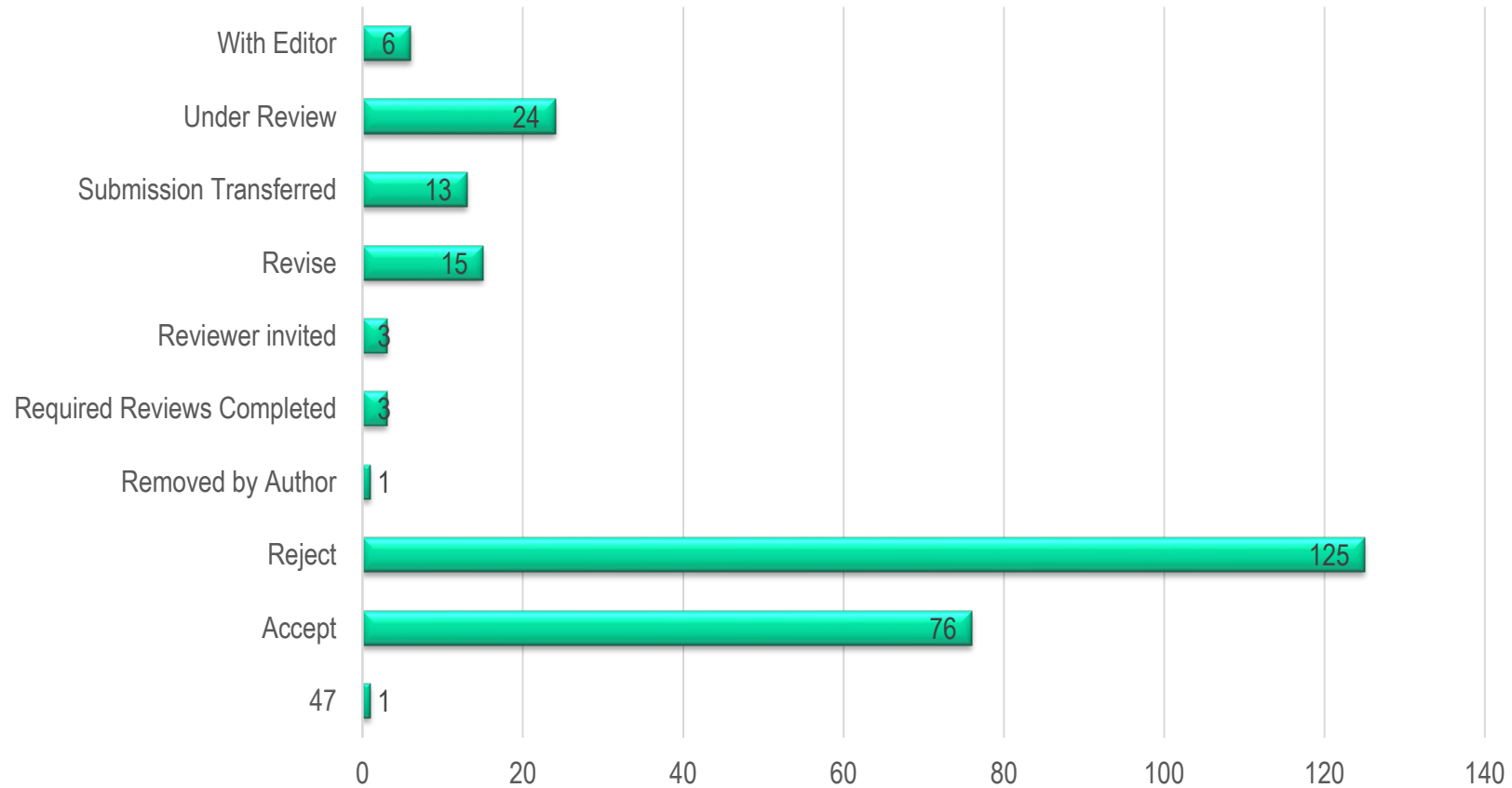
Submission Types



Manuscripts Received by Country of Origin

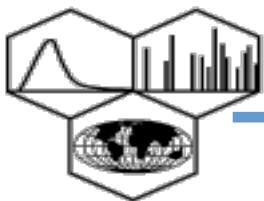


Current Editorial Status



Editors accountability statistics

	All other article types			Reviews
Total numbers of assignments	357	4	3	57
Average time from submission to first reviewer assigned	3.6	10.7	2.5	3.2
Average time from assignment to first reviewer assigned	1.7	0	0	0.8
Average time from assignment to subordinate editor assignment	0	0	0	0
Average number of reviewers per submission	1.3	0	0	1.2
Total number of reviewers utilized	454	0	0	71
Number of unique reviewers utilized	122	0	0	48
Time to decision	5	0	1	2
Total number of decision rescinded	4	0	0	0

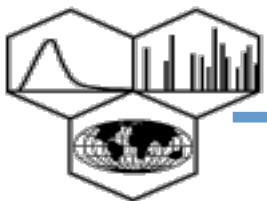
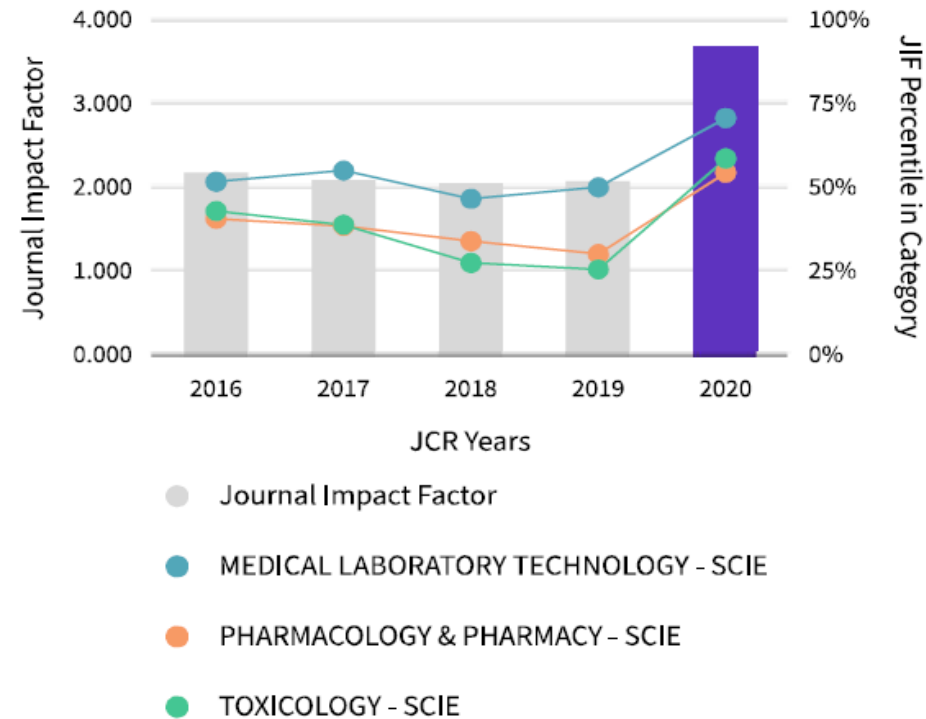


Impact Factor 2021

- 2020 Journal Impact Factor: **3.681**
- Journal Impact Factor without Self Citations: 3.384
- Journal Impact Factor without Reviews Articles: 2.713

Rank by category

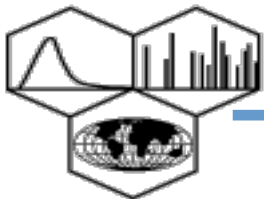
- Medical laboratory technology
 - 9/29 (2017 14/20)
 - Percentile: 70.69 (↑40%)
- Pharmacology & Pharmacy
 - 124/352 (2017: 161/261)
 - Percentile: 64.91 (↑26%)
- Toxicology
 - 35/97 (58/94)
 - Percentile: 64.43 (↑26%)



Best Reviewer Award

	Dobrin Svinarov	Anders Asberg	Dario Cattaneo		
	Eberhard Wieland	David Berry	Tsuyoshi Kondo		
	Anders Asberg	Christoph Hiemke	Christine Snozek		
	Cristina Sempio	Zheng Jiao	Michael Reed		
2018	Anil Maharaj	2019	Cecilie Landmark	2020	Simona Pichini
	Tsuyoshi Kondo		Anil Maharaj		Christoph Hiemke
	Agnieszka Karbownik		Michael Reed		Teun van Gelder
	Jian Shi		Oliver Scherf-Clavel		Eberhard Wieland
	Amitava Dasgupta		Cristina Sempio		Tomoyuki Mizuno
	Christoph Hiemke		Ksenia Zagorodnikova		Anil Maharaj

Thank you!





BRIDGING THE
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SAVE THE DATE

**See you next
year in Prague!**