



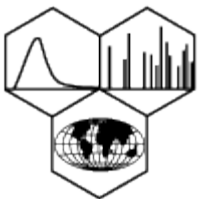
International Association of Therapeutic Drug Monitoring & Clinical Toxicology
Annual General Meeting | Monday, September 16, 2024



Welcome!

Agenda

- Exec Committee report
- Committee reports
- Section reports
- Patsalos prize + lecture
- Victor Armstrong Young Investigator award





International Association of Therapeutic Drug Monitoring & Clinical Toxicology
Annual General Meeting | Monday, September 16, 2024

President's Report

Prof Jan-Willem Alffenaar

IATDMCT Oslo Congress

IATDMCT
Oslo 2023

21st International Congress of Therapeutic
Drug Monitoring and Clinical Toxicology

September 24—27, 2023
— Oslo Congress Centre



Prof Stein Bergan

IATDMCT Oslo Congress: summary

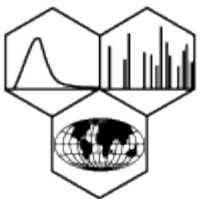
■ Program

- Opening & award lectures
- 6 plenary
- 19 symposia
- 14 session oral presentation
- 2 poster sessions

■ Registered participants: 512

- 73 were invited presenters
- 38 countries

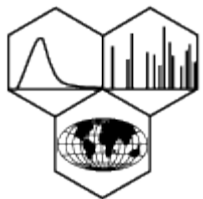
Country	No of delegates
Norway	108
Netherlands	70
France	35
Japan	31
Italy	28



IATDMCT Oslo vs Prague congresses

	Oslo 2023	Prague 2022
Onsite participants	512	303
Online participants	-	172
Total participants	512	505

	Oslo 2023	Prague 2022
Expenses	€ 304,584	€ 269540
Income	€ 283,156	€ 272162
Result	€ -21,428	€ 2622



Council 2023-2025

President Jan Willem Alffenaar

President Elect Christophe Stove

Past President Dario Cattaneo

Secretary Florian Lemaitre

Treasurer Kamisha Johnson-Davis

DoE: Birgit Koch, Satoshiro Masuda, Miao Yan

Councilors: Tomoyuki Mizuno, Smita Pattanaik, Paula Schaiquevich, Jean-Baptiste Woillard

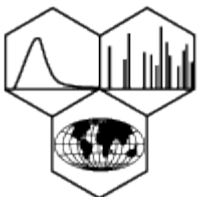
Elections next year for:

President Elect 2025-2027

Secretary 2025-2027

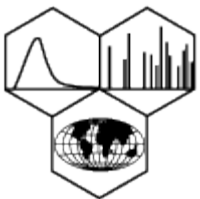
Director of Education (1 position)

Councillor (1 position)



Congress

- 2024 Banff, Canada
- 2025 Singapore, Singapore
- 2026 Rennes, France
- 2027 Montreux, Switzerland
- We receive 1 bid for the 2028 Congress
 - Belgium, Ghent (Stove) 
- The selected location will be announced at the Closing Ceremony



Regional sections

■ Asia-Pacific

Chair Prof Debbie Marriott

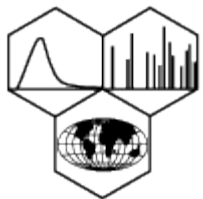
Vice chair Sumith Mathew



■ Europe

Chair Dr Annick de Vries

Vice chair Prof Anders Åsberg



Mentor – Mentee program



Dr Lea Wagmann

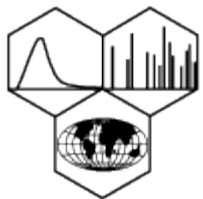


Prof Smita Pattanaik



Prof Paula Schaiquevich

- This program aims to foster meaningful connections between senior scientist and early-career researchers, providing guidance, support, and opportunities for professional and personal development



https://iatdmct.org/mentorship-program

IATDMCT Mentor-Mentee Program Application Form

Name *(Required)*

FirstLast

Email *(Required)*

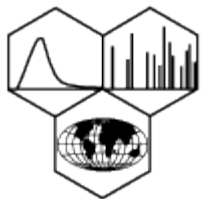
Your Gender *(Required)*

- ☐ Male
☐ Female
☐ Other
☐ Prefer not to say

Your Age *(Required)*

- ☐ 20-30 yrs
☐ 31-40 yrs
☐ 41-50 yrs
☐ 51-60 yrs
☐ 61 yrs and up
☐ Prefer not to say

Language(s) you can speak



I would like to be a: *(Required)*

- ☐ Mentor
☒ Mentee

Details of the mentor you are looking for

Mentor Gender

- ☐ Male
☐ Female
☐ No preference

Preferred language(s) for Mentor

Mentor's Career Stage

- ☐ Early Career
☐ Mid-Career
☐ Senior Career

Mentor's Professional Setting

- ☐ Academia
☐ Industry
☐ Regulatory

Mentor's Scientific area of interest

Mentoring Area of Interest (select one or more)

- ☐ Knowledge transfer
☐ Career development
☐ Networking
☐ Personal growth

Open to Optional Visits

- ☐ Yes
☐ No
☐ Maybe

Meeting frequency

I would like to be a: *(Required)*

- ☒ Mentor
☐ Mentee

Your phone number - must include country code

Your career stage

- ☐ Early Career
☐ Mid-Career
☐ Senior Career

Your Institution:

Current Professional Setting

- ☐ Academia
☐ Hospital
☐ Industry
☐ Regulatory
☐ Other/Combined - describe below

Scientific area of interest

Mentoring Area of Interest (select one or more)

- ☐ Knowledge transfer
☐ Career development
☐ Networking
☐ Personal growth

Open to Optional Visits

- ☐ Yes
☐ No
☐ Maybe

Meeting frequency

Analytical Committee

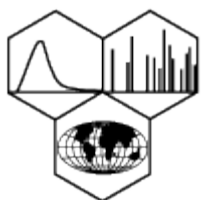


Dr Danijela Kocic



Dr Marieke Sturkenboom

- Provide support, guidance, and education for scientists, clinicians, laboratory personnel, and healthcare personnel on the technical aspects of setting up HPLC, LC-MS/MS, and other assays for TDM&CT purposes, incl alternative sampling methods.
- The focus will be on early career professionals, new lab setups, and individuals seeking to expand beyond immunoassays.

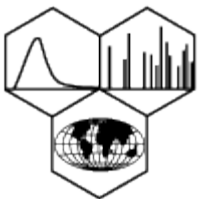


Many thanks to the great contribution of



Prof Christophe Stove Dr Suzanne Parker

- Work on alternative sampling will be continue as part of the activities of the analytical committee



Change in Membership and fees

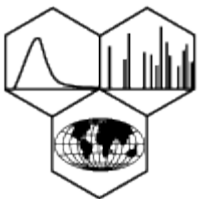
■ Membership

- Full member
- Young scientist
- Student (was junior member)
- Retired member

Regular fees	Reduced fee
\$120	\$30
\$80	\$20
\$30	\$7.50
\$30	\$7.50

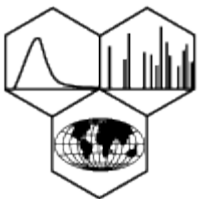
■ Membership fees

- Discount 75% for eligible countries* (see IATDMCT website)
- No 'free membership'
- Automatic subscription with reminder



Change in by-laws

- Administrative aspects of the by-laws as required per Ohio state law
- Introduction of a new membership category 'student'
 - Participation in activities
 - Access to the journal
 - No voting rights





International Association of Therapeutic Drug Monitoring and Clinical Toxicology,
Annual General Meeting, 2024

Secretary Report

Florian Lemaitre
France

Secretary report: Membership 2023

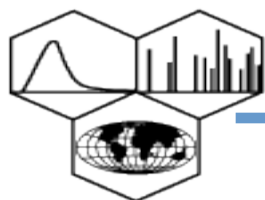
- Membership Report
 - Updated IATDMCT Membership Summary

2022	
Count	Type
31	Developing Country
133	Developing Country Junior Member (<31 years)
230	Developing Country Young scientist (31-40 years)
236	Full Member
6	Honorary
43	Junior Member (<31 years)
14	Retired
71	Young scientist (31-40 years)
764	

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

2023		Development
Count	Type	
31	Developing Country	0
147	Developing Country Junior Member (<31 years)	14
276	Developing Country Young scientist (31-40 years)	46
247	Full Member	11
6	Honorary	0
42	Junior Member (<31 years)	-1
11	Retired	-3
101	Young scientist (31-40 years)	30
861		97

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



Secretary report: Membership 2024

- Membership Report
 - Updated IATDMCT Membership Summary (as of September 2024)

Still increasing!



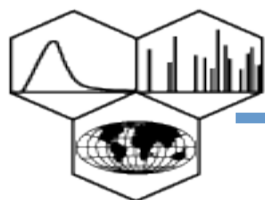
2023	
Count	Type
31	Developing Country
147	Developing Country Junior Member (<31 years)
276	Developing Country Young scientist (31-40 years)
247	Full Member
6	Honorary
42	Junior Member (<31 years)
11	Retired
101	Young scientist (31-40 years)
861	

2024	
Count	Type
46	Developing Country
158	Developing Country Junior Member (<31 years)
303	Developing Country Young scientist (31-40 years)
227	Full Member
6	Honorary
44	Junior Member (<31 years)
13	Retired
106	Young scientist (31-40 years)
903	

Development
15
11
27
-20
0
2
2
5
42

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

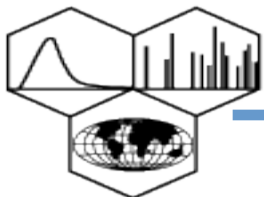
62 New Members through Member-Get-A-Member Campaign



Secretary report: Membership 2024

Top 15 Countries 2024 / Development Trend since 2023

Count	Country	
156	India	↑
75	China	↑
72	Indonesia	↑
67	Brazil	↑
59	Japan	↓
41	United States	↓
35	Malaysia	↓
34	Netherlands	↓
33	Australia	↑
24	France	↓
22	Argentina	↔
22	Belgium	↑
21	Germany	↓
16	Canada	↑
14	Pakistan	↑



Secretary report: MEMBER-GET-A-MEMBER 2024/25

“MEMBER-GET-A-MEMBER CAMPAIGN 2024”
Invite Your Friends and Colleagues!



**“MEMBER-GET-A-MEMBER” CONTINUES AND BECOMES
“MEMBER-GET-A-MEMBER” 2025**

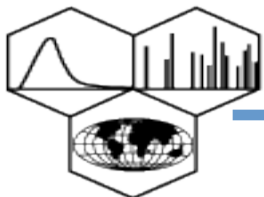
The Campaign rules and the participation procedure and the deadline remain the same.

NEW CAMPAIGN DEADLINE: AUGUST 31, 2025
**THE TOP "RECRUITER" (at least 50% paying members) WILL
RECEIVE FREE REGISTRATION FOR THE SINGAPORE CONGRESS
2025!**



IATDMCT
2024 Congress

Banff 2024
September 15-28



Secretary report: MEMBER-GET-A-MEMBER 2023/2024

By August 31, 2024:

104 new Members recruited in the Campaign by 39 Recruiters

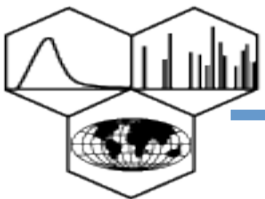
Thank you to all Recruiters!

TOP RECRUITER WHO WINS FREE REGISTRATIONS

Ryuji Kato

(Japan)

5 new members!

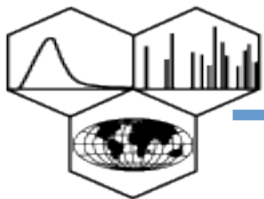


Secretary report: MEMBER-GET-A-MEMBER 2024/2025



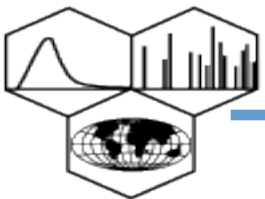
Road to 1000 members!

If everyone recruits one new member: we can do it!



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.**

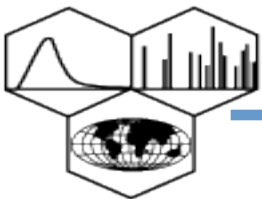


Secretary report: New guidance for SC

- Following Oslo inaugural meeting 2023: new SC organization and dynamic
- Workplan to deliver every two years – scientific and education activities
- Overview by councilors and director of educations (and secretary)
- New Regional Section added in the process
- Guidance documents

IATDMCT regional sections and scientific Committees' guidance

A unique architecture for the operation of the IATDMCT regional sections and the IATDMCT scientific committees is created.





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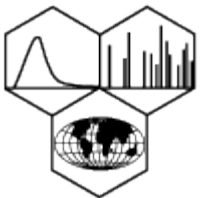
Treasurer's Report

Kamisha Johnson-Davis

ARUP Laboratories, USA

2023 Financials: Overview

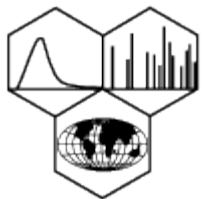
- **2023 Revenue: \$334,315** (2022 Revenue: \$286,284)
 - TDM Journal Royalties: \$290,887
 - Membership Dues: \$37,024
 - Congress Revenue: \$0
 - Sponsorship, Other: \$6,404
- **2023 Expenses: \$297,981** (2022 Expenses: \$237,468)
 - TDM Journal Related: \$126,691
 - General & Administrative Expenses: \$69,314
 - Membership Services: \$81,403
 - Educational Membership Services/Regional Meetings: \$1,565
 - Congress Expenses: \$19,009
- **2023 Surplus: \$36,334** (2022 Surplus: \$48,816)



2023 Financials: Overview

- **IATDMCT Assets**

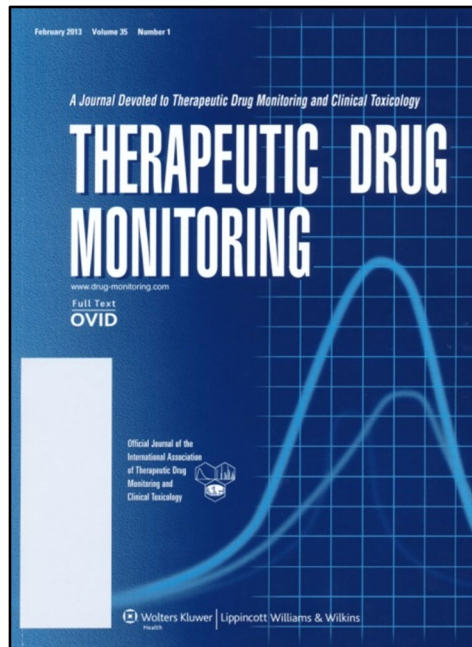
- 2023 Assets: \$1,886,137 (2022 \$1,867,703)
- 2023 Liabilities: \$42,211 (2022 \$60,110)
- 2023 Total Equity: \$1,843,926 (2022 \$1,807,593)





International Association of Therapeutic Drug Monitoring & Clinical Toxicology
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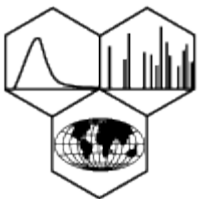
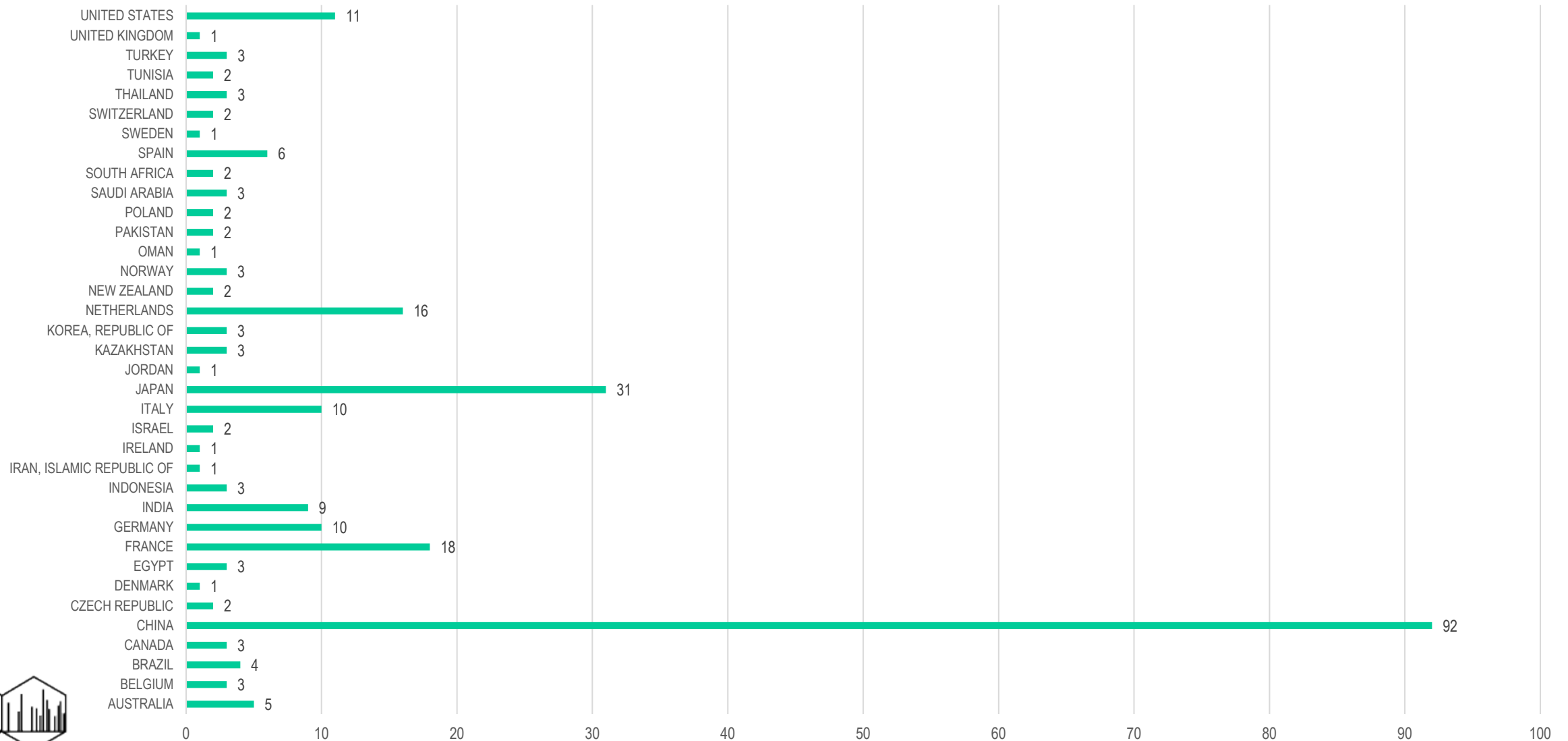
Therapeutic Drug Monitoring- 2023-2024 Editorial Office Report



- Uwe Christians, MD, PhD
- Maria Shipkova, MD, PhD
- Michael Oellerich, MD, PhD
- Philip Patsalos, PhD
- Wanzhu Zhao, MA

Editor-in-Chief
Reviews Editor
Associate Editor
Associate Editor
Managing Editor

Manuscripts Received by Country of Origin



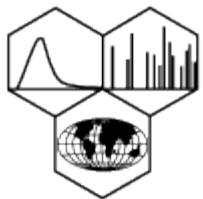
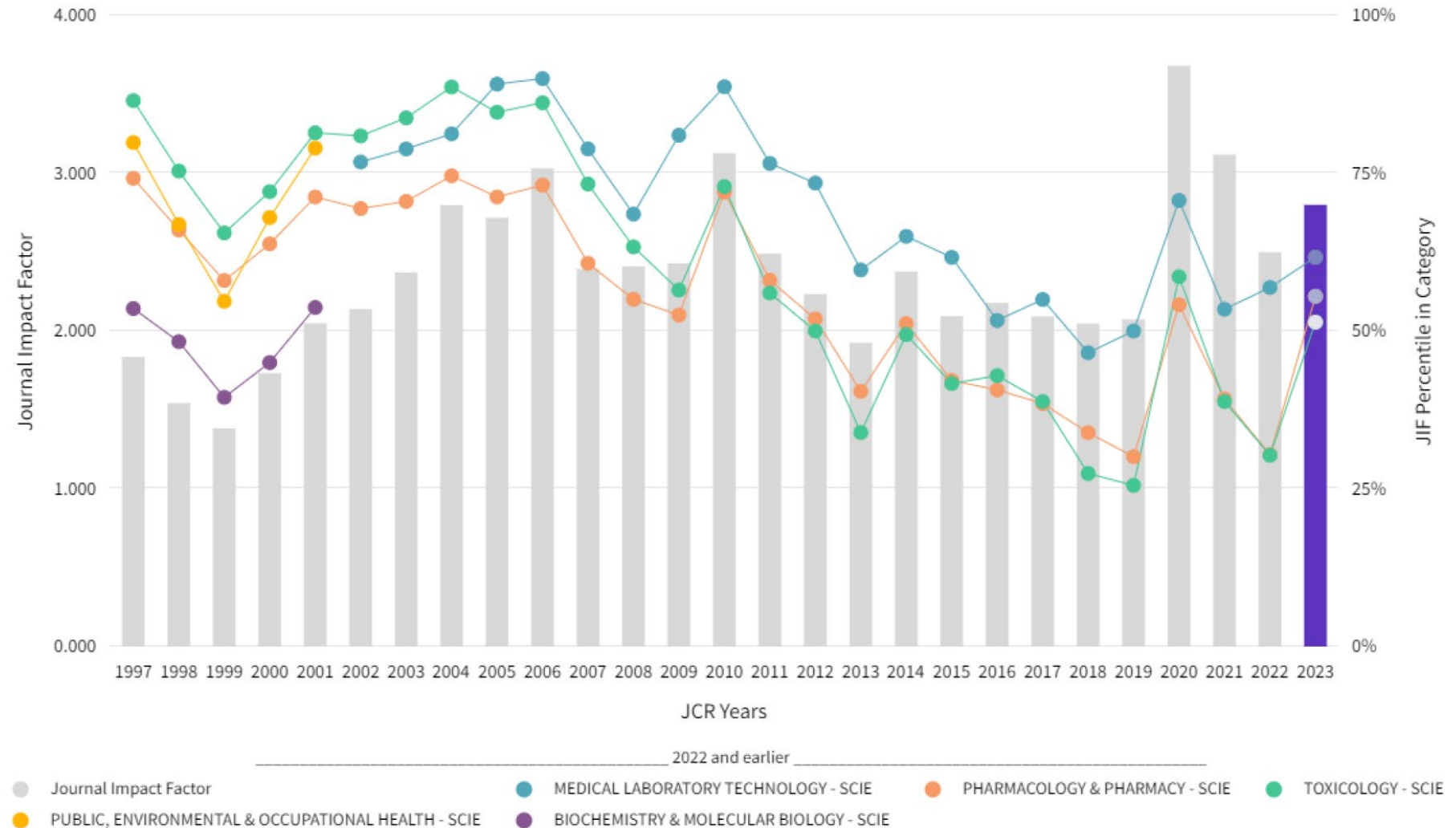
Impact Factor 2023

2023 Journal
Impact Factor:

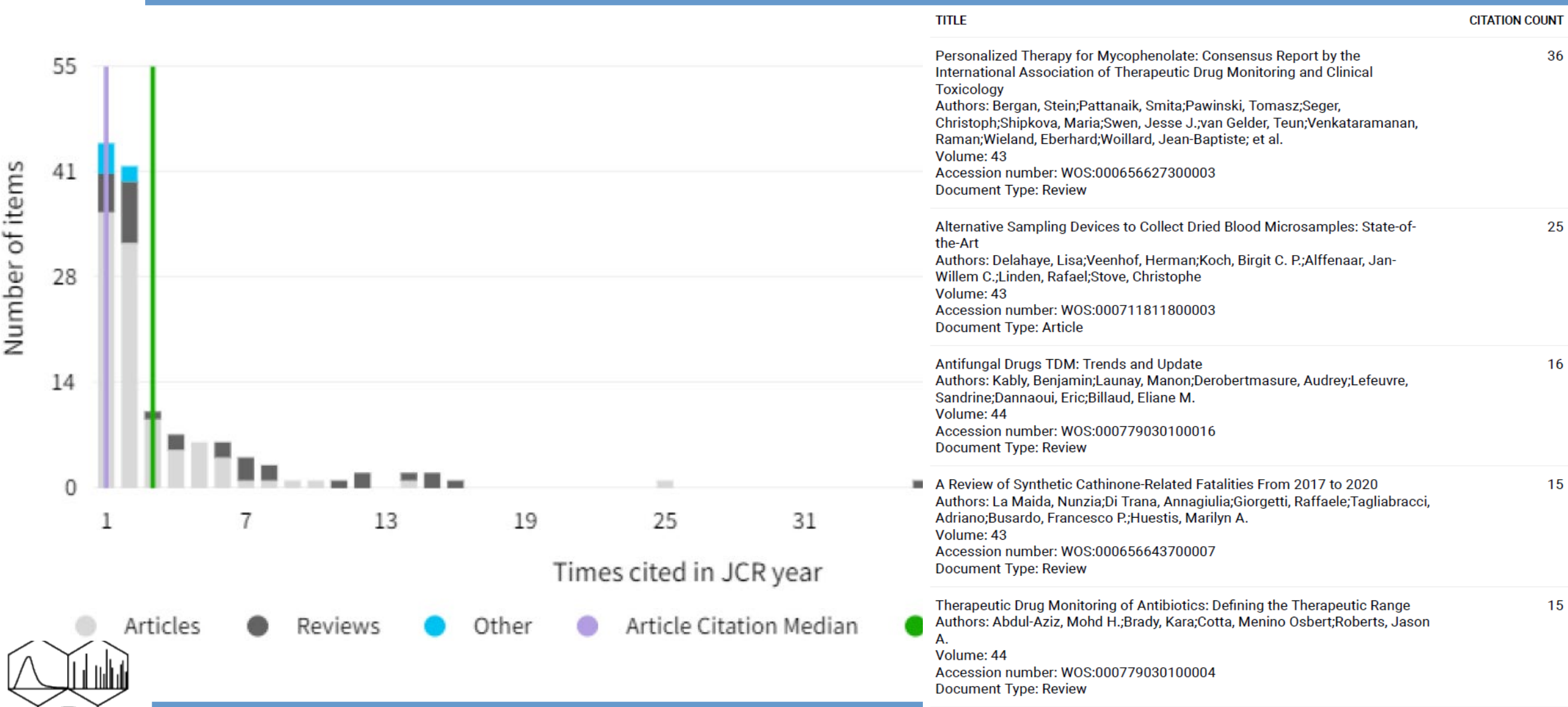
2.8

Journal Impact
Factor without
Self Citations:

2.6



Impact Factor Contributing Items



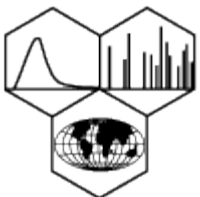
Reviews Editor: Report 2023/2024

2023/2024

- **Review/Opinion articles:** 14
- **Special Issue:** TDM in Neuropsychopharmacology: Rediscovering Old and Emerging Aspects
Guest Editor Dr. Georgios Schoretsanitis
- **Guidelines:** Best Practice for Therapeutic Drug Monitoring of Infliximab: Position Statement from the International Association of Therapeutic Drug Monitoring and Clinical Toxicology
Leadership: TDM of Biologics and Pharmacometrics Scientific Committees

UPCOMING

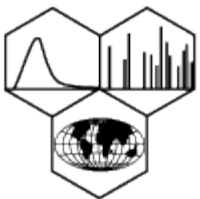
- **Special Issue:**
 - Development of a Special Issue on TDM of Immunosuppressive Drugs (in work)
 - New developments in Clinical Toxicology (to be developed in 2025, to be published in 2026)
- **Focus Series:** TDM in Oncology
- Additional invited and unsolicited reviews (proposals are welcome)



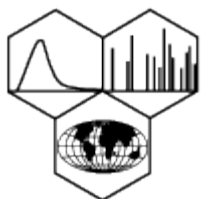
To the Members of the IATDMCT SCs

We strongly encourage IATDMCT SCs to submit their Consensus Documents/Best Practice Recommendations to our journal.

(Agreement with the publisher for free access via the Journal website)



Production accountability statistics





International Association of Therapeutic Drug Monitoring & Clinical Toxicology
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Alternative sampling strategies Committee

Chair: Prof Christophe Stove
University of Ghent, Belgium

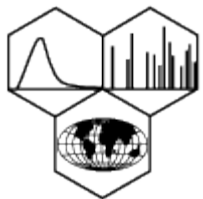


Vice-Chair: Dr Suzanne Parker
University of Queensland, Australia



Highlights and plans

- Banff Congress symposia was well attended
- Consensus paper in draft on blood-plasma correction factor: “To Convert or not to Convert? Considerations and Recommendations to Convert Capillary Blood Microsampling Concentrations to Plasma Concentrations”
- Merge into the new Analytical Committee





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Ant-Infectives Committee

Chair: Dr Sophie Stocker
University of Sydney, Australia



Vice-Chair: Professor Birgit Koch
Erasmus MC, Netherlands



Anti-infective Committee Achievements

- Banff Congress
 - 3 symposia (one joint with PMx Committee; 1 round table session)
- Education events
 - EPASG webinar – 27th March 2024 – Toxicity of antimicrobials
 - PKPD basics in resource limited areas – December 2024 - Joao Telles, Hoa Vu Dinh
 - Analytical methods in resource limited areas – Q2 2025 – Sophie Stocker, Jan-Willem Alffenaar
 - Compass contribution – 1 x Paul Chin and 1 Moska Hassanzai (OPAT)
 - Analytical challenges – Danijela Kocic, Birgit Koch
- Dissemination
 - What is known about TDM for established drugs in LMICs
 - Indy Sandaradura, Joao Telles, Jana Stojanova, Sana Boujaafar
 - International Beta-Lactam Individualization Consensus Recommendations (Jim Rhodes, Erin Barreto)
 - Gauri Rao, Indy Sanduradura, Birgit Koch, Jason Roberts
 - TDM of antibiotics in children: A Systematic Review (Pieter De Cock)
 - Indy Sanduradara, Tony Lai, Sana Boujaafar
 - How to perform TDM in patients undergoing continuous renal replacement therapy (Andre Wieringa, Tim Smeets)
 - Rehka Pai Magalore, Maaik Sikma



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Committee Name

Chair: Dr. Eric J.F. Franssen

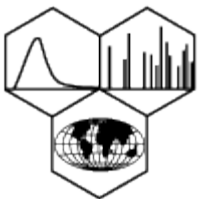
OLVG Hospital, Amsterdam, the Netherlands

Vice-Chair: Dr. Peter Zweipfenning

Eurofins TMFI, Maastricht, the Netherlands

Clinical Toxicology Committee

- *Policy of active members*
 - Currently: 27 CTC members (all IATDMCT members)
 - New member (young scientist!), contribution in Compass
- *Symposia and workshops in Banff:*
 - Pre conference symposium: 1
 - Roundtables: 2
 - Symposia: 3
 - Interactive workshop: 1
 - Review submitted abstracts
- *Content to be posted on IATDMCT website*
 - Guidelines clinical and postmortal toxicology
 - Where to find tox/TDM laboratories for various drug analyses?
 - Educational webinars for accredited and continuing education



Professor and vice-dean Vanessa Steenkamp, University of Pretoria, South Africa
Visiting professor, OLVG Hospital Amsterdam, the Netherlands, 2022-present



International Association of Therapeutic Drug Monitoring and Clinical Toxicology,
Annual General Meeting, 2024

Immunosuppressive drugs committee

Annual General Meeting
IATDMCT 2024 Banff

Chair: Florian Lemaitre
University of Rennes, France

Vice-Chair: Nuria Lloberas Blanch
IDIBELL Bellvitge Biomedical Research Institute, Spain

ISD scientific committee milestones 2023/24

Everolimus consensus document (Coord. S. Masuda)

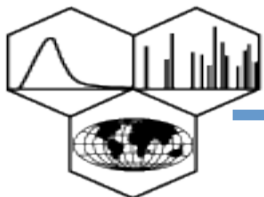
- ❖ To be published in *Ther Drug Monit*

ISD TDM special issue (Coord. M. Shipkova)

Two Symposia in 2024:

- ❖ 3rd symposium *Update in personalized IS*, Barcelona, Spain
- ❖ 2nd symposium *The Future of ISD therapy*, Rennes, France

Picture to attract new
members to the committee!





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Pharmacogenetics Committee

Chair: Professor Jesse Swen

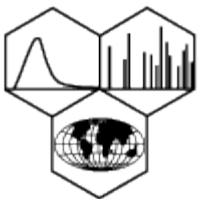
Leiden University MC, The Netherlands

Vice-Chair: Dr. Erika Cecchin

National Cancer Institute CRO Aviano, Italy

Scientific contributions

- Active participation in (inter)national conferences and many peer reviewed papers and guidelines
- IATDMCT 2024
 - Session “Genetic diversity in clinical pharmacogenomics: challenges and opportunities for NGS”
- Established interaction with IUPHAR Pharmacogenomics Drug Metabolism and Transport working group





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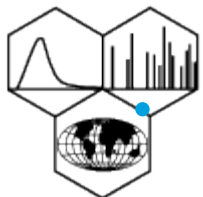
Pharmacometrics committee (PMx)

Chair: Professor Anders Åsberg
University of Oslo

Vice-Chair: Assistant Professor Iris Michmayer
Medical University of Vienna

Highlights and plans

- PMx Committee-endorsed webinar '*International Perspectives on Model-Informed Precision Dosing: From the Data to the Patients*' (March 21, 2024; hosted by Simulations Plus)
- **IATDMCT Position statement on TDM of infliximab:** June 2024
Alsoud D, ..., Mizuno T, Minichmayr IK, Keizer RJ, Wicha SG, ..., Dreesen E..
Best Practice for Therapeutic Drug Monitoring of Infliximab: Position Statement from the International Association of Therapeutic Drug Monitoring and Clinical Toxicology. Ther Drug Monit. 2024 46(3):291-308
- Symposia IATDMCT 2024 Banff
- Planned webinars:
 - Q4 2024-Q1 2025: Data tidying with tidyverse in R
 - Q1-Q2 2025: Machine learning with tidymodels in R
 - Q3-4 2025: Webinar proposal: How best to view parameters and distributions
 - Contribution to webinar *PK/PD basics in resource limited areas* (led by Anti-Infective Drugs Committee)





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Annual General Meeting | Monday, September 16, 2024

TDM of Biologics 2023/2024 summary slide



Chair: Annick de Vries, PhD (since Sept 2021)
Sanquin Diagnostic Services, Sanquin, Amsterdam, NL



Vice-Chair: Dirk Jan Moes, PhD PharmD (since Sept 2021)
Department of Clinical Pharmacy and Toxicology, Leiden University Medical Centre, Leiden, NL

2023/ 2024 Scientific contributions

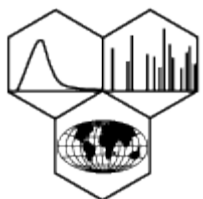
IATDMCT position statement on infliximab

- *Instigated* by TDM of Biologics Committee
 - contributions from TDM of Biologics members
 - large contribution from pharmacometrics members
 - contributions from KOLs
- https://journals.lww.com/drug-monitoring/abstract/2024/06000/best_practice_for_therapeutic_drug_monitoring_of.5.aspx
- Lead author committee member Erwin Dreesen, PhD



TDM of Biologics Symposium in Amsterdam

- Date: 6 December 2024, OBA, Amsterdam NL
- With Live Stream for IATDMCT members / discount
- Endorsed by IATDMCT Sept 2024
- <https://www.tdm-of-biologics.nl>
- Lead organising committee member Floris Loeff, PhD





International Association of Therapeutic Drug Monitoring & Clinical Toxicology
Annual General Meeting | Monday, September 16, 2024

TDM in Oncology Committee

Chair: Assistant Professor Dirk Jan Moes (PharmD, PhD)
Leiden University Medical Center, The Netherlands



Vice-Chair: Professor Vikram Gota (PharmD, PhD)
Tata Memorial Center, India



Scientific contributions

- Consensus paper on TDM of Paclitaxel submitted (Jan Beumer in the lead)
- Compass submission (project optimus) Jan Beumer and Sal Salamone (2024)
- Webinar TDM in Oncology 28 February 2024 (**88 participants**)
- Consensus paper on TDM of TKI's in mRCC in preparation with > 12 members participating in the writing committee (DJ Moes in the lead)
- New members (diversity) plan: Already added 4 female members to the committee and 2 new members from Asia
- Created Whats-App group for the SC committee for more direct communication
- Developing ideas for new webinar in winter 2024/2025
- Dirk Jan Moes will step down as chair at the meeting in BANFF, Vikram Gota will take the chair position and a new vice- chair will be elected.

Daniel L. Hertz¹, Markus Joerges², Yung-Jue Bang³, Ron H. Mathijssen⁴, Caicun Zhou⁵, Li Zhang⁶, David Gandara⁷, Michael Stahl⁸, Bradley J. Monk⁹, Ulrich Jaehde¹⁰, Jan H. Beumer^{11,12,13}

¹Department of Clinical Pharmacy, University of Michigan College of Pharmacy, University of Michigan, Ann Arbor, MI, USA
²Department of Medical Oncology & Hematology, Cantonal Hospital, St. Gallen, Switzerland
³Department of Internal Medicine, Seoul National University College of Medicine, Seoul, South Korea
⁴Department of Medical Oncology, Erasmus MC Cancer Institute, Erasmus University Medical Center, Rotterdam, the Netherlands
⁵Department of Medical Oncology, Shanghai Pulmonary Hospital, Tongji University School of Medicine, Shanghai, China
⁶Department of Medical Oncology, State Key Laboratory of Oncology in South China, Collaborative Innovation Center for Cancer Medicine, Sun Yat-Sen University Cancer Center, Guangzhou, China
⁷Division of Hematology-Oncology, University of California, Davis, 4501 X Street, Suite 3016, Sacramento, CA, USA
⁸Department of Medical Oncology, Evang. Kliniken Essen-Mitte, Essen, Germany
⁹GOG-Foundation, University of Arizona College of Medicine, Creighton University School of Medicine, Phoenix, USA
¹⁰Department of Clinical Pharmacy, Institute of Pharmacy, University of Bonn
¹¹Cancer Therapeutics Program, UPMC Hillman Cancer Center, Pittsburgh, PA, USA
¹²Department of Pharmaceutical Sciences, School of Pharmacy, University of Pittsburgh, Pittsburgh, PA, USA
¹³Division of Hematology-Oncology, Department of Medicine, University of Pittsburgh School of Medicine, Pittsburgh, PA, USA



INTERNATIONAL ASSOCIATION OF THERAPEUTIC DRUG MONITORING AND CLINICAL TOXICOLOGY

TDM IN ONCOLOGY

CHAIRS:

1. Dr. D.J.A.R. Moes, Department of Clinical Pharmacy and Toxicology, Leiden University Medical Center, The Netherlands
2. Dr. Vikram Gota, Department of Clinical Pharmacology, ACTREC, Tata Memorial Centre, India.

PROJECT OPTIMUS
Jan Hendrik Beumer
PhD, Professor

CREATING HYBRID PD/ML MODELS TO PREDICT NEUTROPENIA
Jasmine Hughes
Director of Data Science at InsightRX

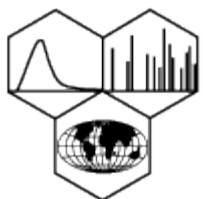
EXPOSURE RESPONSE ANALYSIS OF ATL1 IN PEDIATRIC ALL
Dirk Jan Moes
Assistant Professor of Applied Clinical Pharmacometrics

REGISTRATION

28 February 2024

CET - 12:00 PM
HKT - 7:00 PM
EST - 6:00 AM

Zoom Link
https://us06web.zoom.us/join/register/WN_UZehu8cJT9GdZdXoVZzvOw





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

Chair: Dr Souleiman El Balkhi

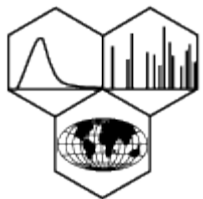
University hospital of Limoges, France

Vice-Chair: Professor Antoine Dupuis

University of Poitiers, France

Highlights and future plans

- Compass: **Serving Environmental Toxicology with Large Language Models and Artificial Intelligence Tools**
- Symposium Banff IATDMCT congress
- Symposium proposal for the Singapore IATDMCT congress on Thursdays 17
- Enhancing transversal interactions with other committees.
- Finalizing the Guideline on bioanalytical validation in Environmental Toxicology.
- Further collaboration with IFCC in organization of a committee of environmental health toxicology





International Association of Therapeutic Drug Monitoring & Clinical Toxicology
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Young Scientist Committee

Chair: Lea Wagmann

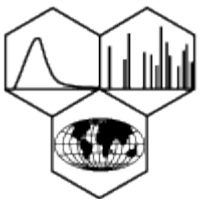
Saarland University, Homburg, Germany

Vice-Chair: Hualin Cai

The Second Xiangya Hospital of Central South University, Changsha, China

YSC Highlights

- YS symposium in Banff with three speakers
- 130 (!) YS subscribed to the YS award contest
- Two Compass contributions (Vol 23 Issues 1 and 3)
- Launch of the IATDMCT Mentor-Mentee Program
 - Exciting opportunity for our Young Scientists
 - Stay tuned and apply!
- Transitional phase and plenty of ideas
 - Three new members after Oslo, one after Banff
 - Still looking for fresh blood: Interested? Please contact!





International Association of Therapeutic Drug Monitoring & Clinical Toxicology
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Communications Committee

Chair: Professor Ryuji Kato, PhD

Osaka Medical and Pharmaceutical University (Japan)

Vice-Chair: Dr. Ofelia Noceti, PhD PharmD

National Center for Liver Transplantation & Liver Diseases (Uruguay)

Alain Verstraete (Belgium)

Smita Pattanaik (India)

Olga Millan Lopez (Spain)

Sherilyn Wong (Australia)

Bénédicte Franck (France)

Manuela Neuman (Canada)

Maria Shipkova (Germany)

Lea Wagmann (Germany)

Miao Yan (China)

Yoko Urashima (Japan)

Hualin Cai (China)

Jana Stojanova (Australia)

Birgit Koch (Netherlands)

Satohiro Masuda (Japan)

Highlight of 2024 activity

- Website renewal.



- Publication of E-News, Advert and Compass, updating blog, podcast, LinkedIn Instagram and X.



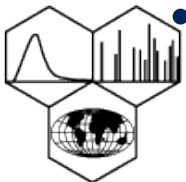
- We welcomed Smita as the new Compass Editor in Chief in 2024!



- DOEs planned and executed India TDM Education Sessions and IATDMCT Regional Asia-Pacific Section.



- YSC launches of the IATDMCT Mentor-Mentee Program





International Association of Therapeutic Drug Monitoring & Clinical Toxicology
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Regional Asia Pacific Section

Chair: Professor Deborah Marriott

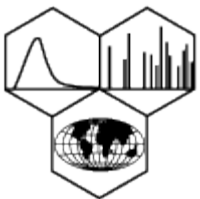
University of New South Wales, St. Vincent's Hospital, Sydney

Vice-Chair: Dr. Sumith Mathew

Believers Church Medical College Hospital, Kerala University of Health Sciences, India

RAPS – the first year of the first regional section

- Established late 2023 with first committee meeting February 2024
- >90% participation rate of committee members at monthly meetings
- Since inauguration RAPS has:-
 - held 3 on-line seminars, with active participation of young scientists encouraged,
 - assist with TDM Education webinar series (India)
 - set up a supported mentor programme in TDM (China) and AMS (Singapore),
 - participated as RAPS in a number of international meetings
 - established collaborative relationships with regional groups such as the Malaysian Pharmacists Society, Asia Fungal Working Group and ADVANCE-ID
 - planned a face-to-face conference and meeting with the Malaysian Ministry of Health (Penang, April 7-8, 2025) to promote TDM in Malaysia
 - Initiated the establishment of a vancomycin TDM service in Indonesia
- RAPS will have a significant presence in the 2025 IATDMCT ASM in Singapore





International Association of Therapeutic Drug Monitoring & Clinical Toxicology
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**Thank you for being a
member of IATDMCT!**

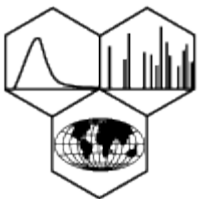


International Association of Therapeutic Drug Monitoring & Clinical Toxicology
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Patsalos prize

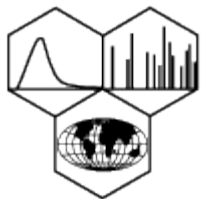
Patsalos Prize

- Sponsored by Professor Philip Patsalos and his wife Ellie
- Best manuscript published in *Therapeutic Drug Monitoring* by a Young Scientist
- **Selection Committee**
 - IATDMCT President (Chair)
 - IATDMCT Past President
 - Editor-in-Chief
 - IATDMCT President-elect



Procedure for manuscript nomination and selection of winner

- Editor-in-Chief will identify a list of eligible manuscripts
- Eligibility criteria include the following:
 - Full length original research manuscripts published during the previous year
 - Content made an exceptional contribution towards advancing knowledge in the field of TDM, as evaluated using criteria such as: originality, conclusiveness, study design, impact on science and practice (enhancing patient treatment/care), impact on future developments, global importance
 - first author is a current member in good standing of IATDMCT.
- Selection Committee reviews the eligible manuscripts and makes the final decision of the winner
- Prize
 - 2.500€ plus an invitation to make a short presentation at the IATDMCT Congress
 - A one-year free membership, anticipating active contributions to IATDMCT by the recipient.



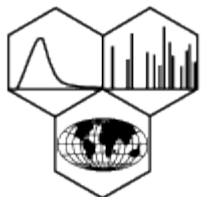
Application of User-Centered Codesign Principles to Address Barriers in Therapeutic Drug Monitoring

Sherilyn Wong, BPharm (Hons), Aaron Davis, PhD,† Philip R. Selby, BPharm,‡§ Richie Khoo, BMD,† Ian Gwilt, PhD,† Sophie L. Stocker, PhD,¶||** Michael B. Ward, PhD,* and Stephanie E. Reuter, PhD**

Patsalos Prize recipient 2024

Sherilyn Wong Bpharm (Hons)

Clinical and Health Sciences, University of South Australia, Adelaide, Australia





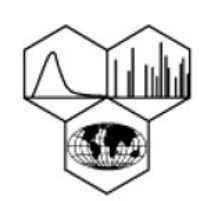
University of
South Australia

Application of user-centred co-design principles to address barriers in therapeutic drug monitoring

Patsalos Award Presentation, IATDMCT 2024

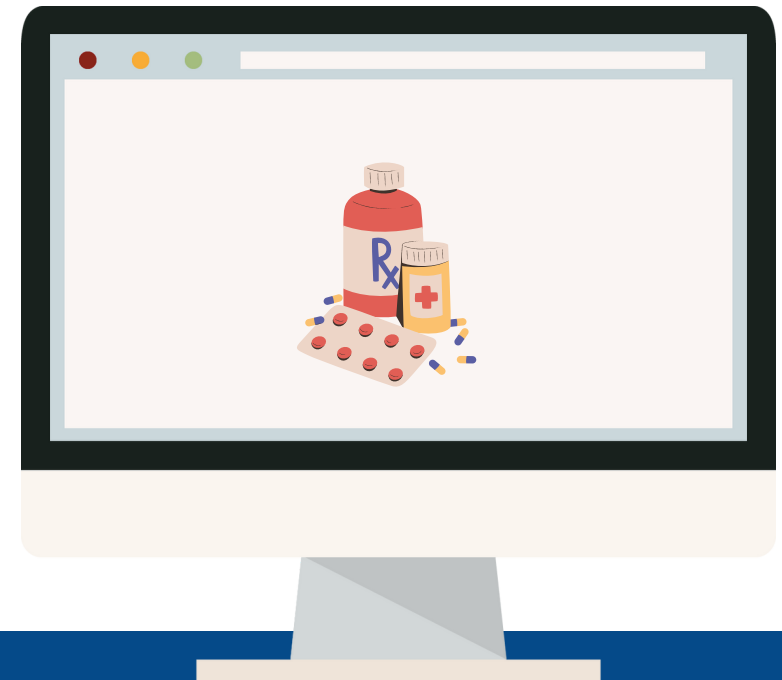
Sherilyn Wong, BPharm(Hons), PhD Candidate,
Clinical & Health Sciences,
University of South Australia, Australia

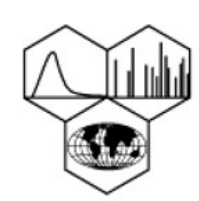




Background

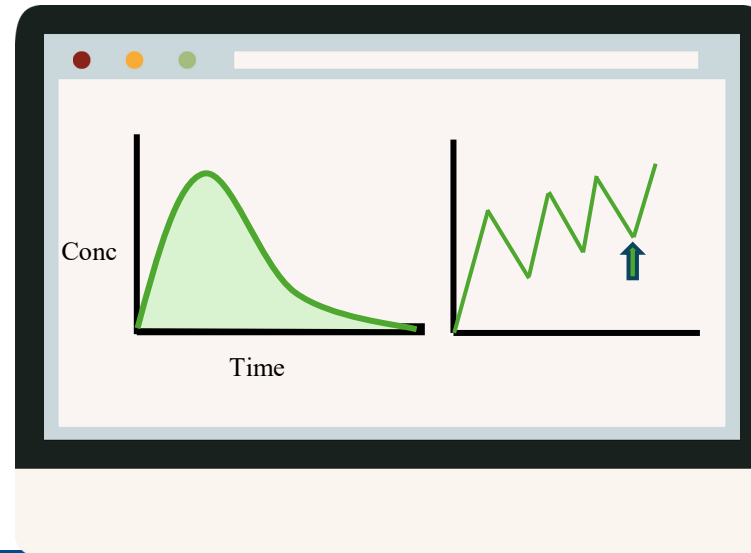
- Model-informed precision dosing is an effective approach to optimising drug therapy in individual patients.
- Model-embedded dosing decision support tools (e.g. Bayesian forecasting software) can support healthcare professionals with precision dosing or TDM.
- Implementation of these tools into practice has its challenges.
- Barriers

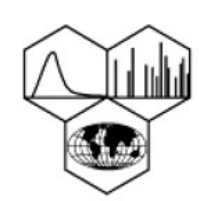




Background

- Opportunities for precision dosing, particularly in special populations (e.g. cancer, obese, paediatrics)
- Research has identified large extents of suboptimal exposure, including high rates of toxicity or treatment failure.
- Example vancomycin – trough concentration versus AUC_{24} monitoring





Study Aims

Aims:

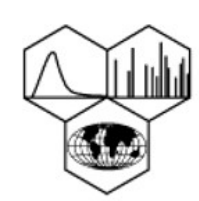
1. identify the current **barriers** to performing vancomycin AUC-based TDM
2. explore **how drug dosing software can be designed to support TDM**, using vancomycin as an example drug



Co-design

- Co-design is an approach that uses the expertise and lived experiences of end-users of a system, tool or service, to develop strategies to improve current systems or processes.
- Has been used in the development and implementation of services and interventions in health
- Intentionally involving the target user in the design and development process, using their feedback to inform subsequent design decisions (iterative)
- Can take on various forms (e.g. focus groups, interviews, surveys)





Participants

Medical practitioners and pharmacists who worked in a hospital and were involved with vancomycin TDM (total n=17)

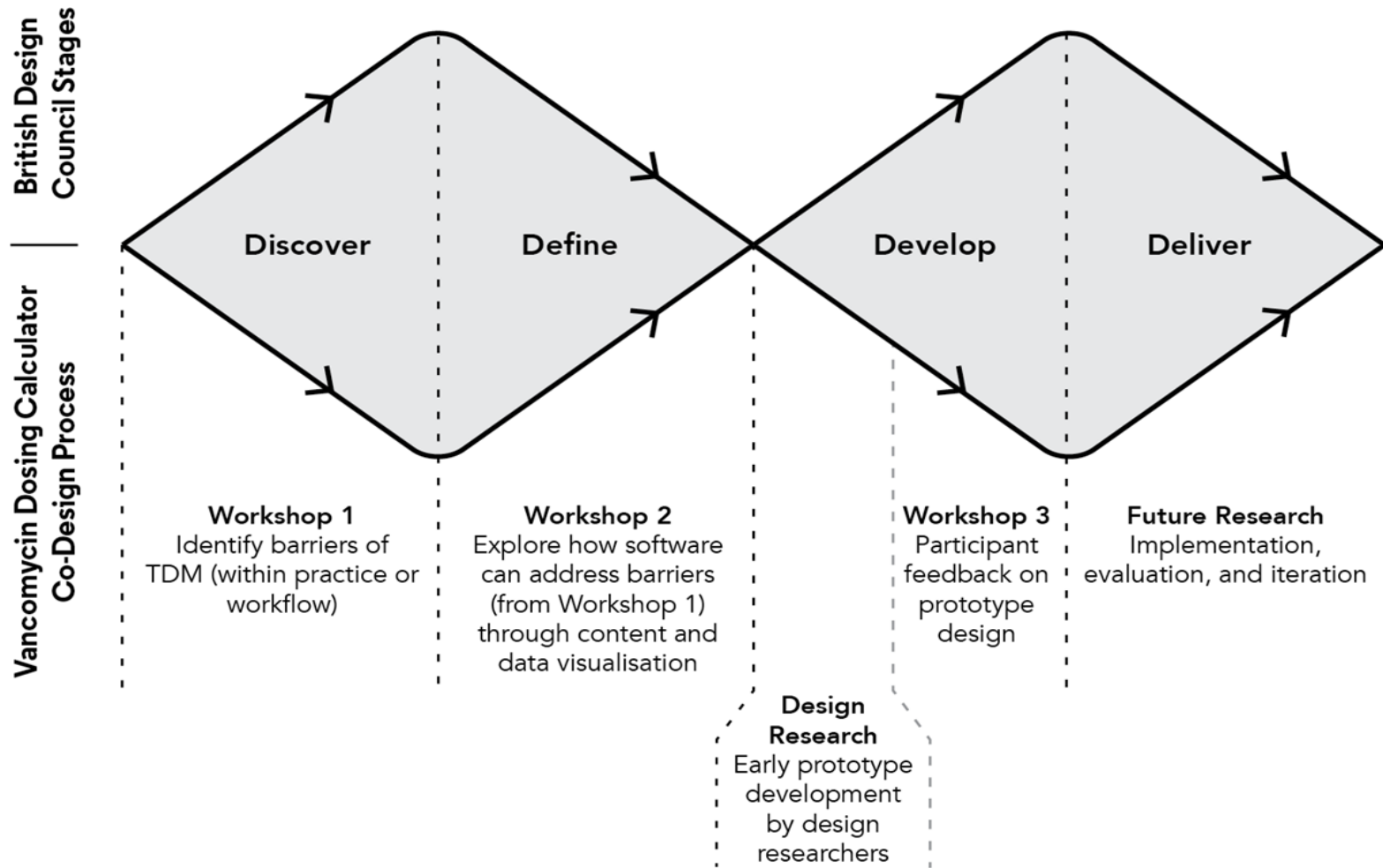
	n
Position	
Clinical Pharmacist	11
Medical Practitioner / Prescriber	6
Clinical areas of work	
Infectious diseases/antimicrobial stewardship	6
Intensive care unit	2
Microbiology	2
Haematology/Oncology	4
General clinical	3



Co-design Methods



University of
South Australia





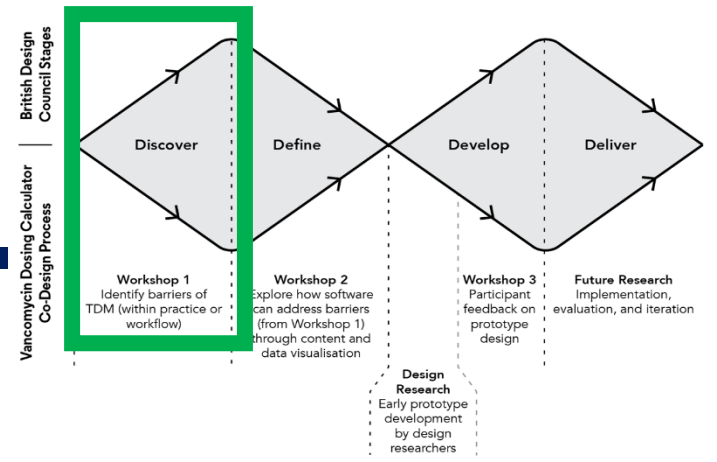
Workshop #1

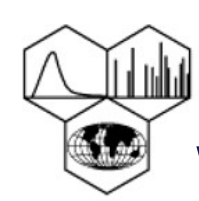
User-Journey Storyboard

A user-journey storyboard can be a shortcut to understanding the many different ways different people experience a situation or challenge. A storyboard can quickly capture details that would normally only be surfaced by intense and prolonged shaddowing processes. There is no 'right' answer to a storyboard, and by completing multiple user-journeys, we can identify where there are differences, as well as similarities.

1. Start with the 'main event' in the middle box, add detail about what is happening, when it is happening, where it is happening, and who (or what) is present at each stage of the journey.
2. Work both backwards and forwards and add extra sheets to each end if you need more frames.

When?	When?	When?	When?	When?
Where?	Where?	Where?	Where?	Where?
Who (& what technology) is present?	Who (& what technology) is present?	Who (& what technology) is present?	Who (& what technology) is present?	Who (& what technology) is present?
What is happening?	What is happening?	What is happening?	What is happening?	What is happening?





Workshop #1: Results

Main barriers to optimal vancomycin TDM that were identified:

- Lack of understanding and confidence in appropriate dosing and patient factors that influenced vancomycin PK
- Pharmacokinetic understanding
- Difficulty in accessing practice guidelines
- Unavailability of staff and support
- Poor documentation
- Poor laboratory test interpretation
- Lack of real-time monitoring
- Lack of time/too busy



Workshop #2



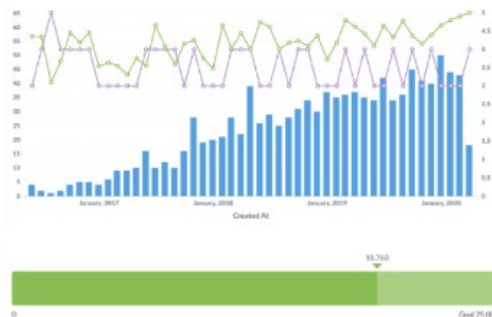
"Just tell me what dose to give"



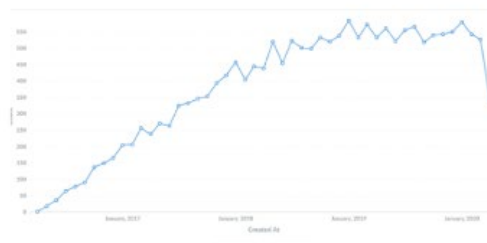
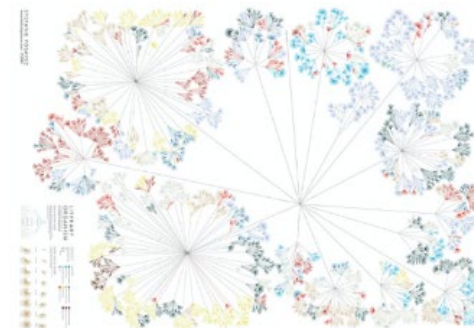
"I always use my professional judgement"



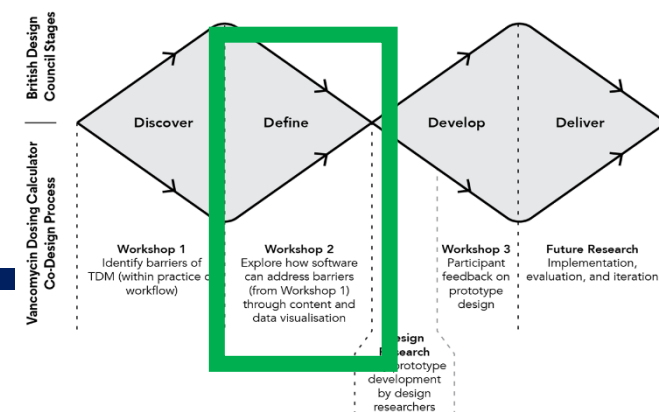
"I want as much information as possible"

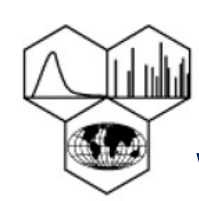


M	Created At	Discount (\$)	Product ID	Quantity	Subtotal (\$)	Tax	Total (\$)
1	December 6, 2019, 10:22 PM	6.42	Fantastic Wood Matt	2	52.72	2.9	55.62.21
4	August 22, 2019, 4:30 PM		Awesome Bronze Plate	6	109.22	6.01	115.22.07
5	October 15, 2016, 3:14 AM		Stark Steel Table	5	127.88	7.03	134.94.39
6	November 6, 2019, 4:39 PM		Revlon Paper Cat	3	29.80	1.64	31.44.37
7	September 11, 2018, 11:22 AM		Madison Rubber Shoes	5	19.77	5.27	25.04.11
8	June 17, 2019, 2:17 AM	8.65	Ergonomic Slt Table	7	48.23	3.75	51.98.46
9	May 3, 2017, 4:00 PM	3.59	Plastic of Granite Plate	3	77.40	4.36	81.47.43
10	January 17, 2020, 1:44 AM		Small Marble Hat	2	97.44	5.36	102.77.06
11	July 22, 2018, 6:01 PM		Stark Marble Clock	6	63.82	3.51	67.33.54
12	June 26, 2016, 11:21 PM		Academical Users Coat	7	140.25	10.19	150.44.54
13	April 6, 2019, 1:04 AM	2.12	Small Rubber Clock	2	57.49	0.95	58.44.24
14	May 25, 2017, 8:10 PM		Lightweight Steel Watch	4	51.19	3.52	54.71.34



18,750





Workshop #2: Results

How drug dosing software design can support TDM:

- Ability to tailor data visualisation and information presentation to the knowledge, needs and experience of the user
- Clinical context is important for decision-making, it's not just about the dose!



Workshop #3

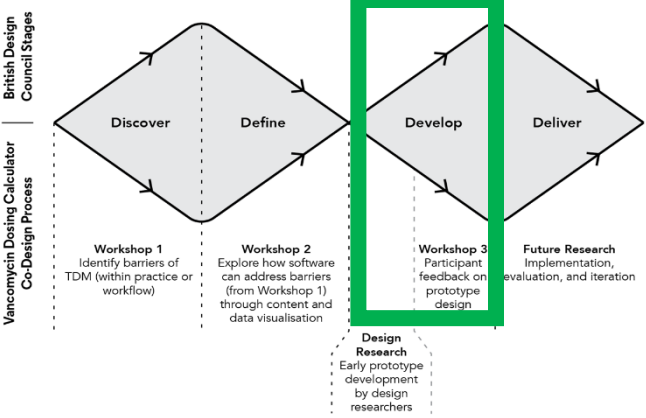
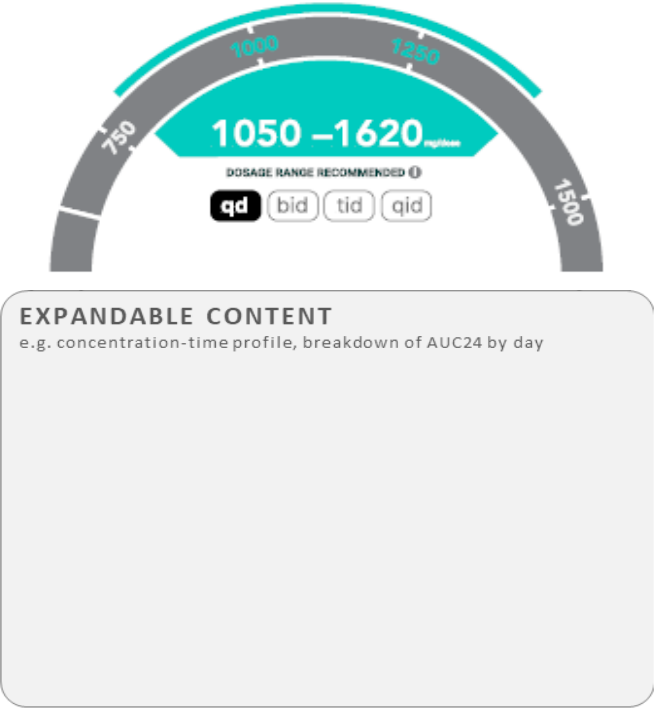
B

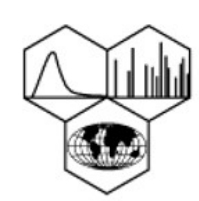
INPUT VALUES
e.g. patient date of birth, body weight, etc.

CALCULATE

Guidelines

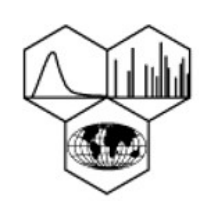
Resources





Summary of Key Findings

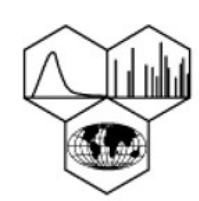
- When designing clinical decision support tools, the usability of the tool needs to be considered from the perspective of the end-users to promote acceptability.
- Education and training is essential for successful implementation.
- The value of involving end-users in the design and development of clinical decision support tools



“ We spend a lot of time designing the bridge, but not enough time thinking about the people crossing it. ”

Dr Prabhjot Singh

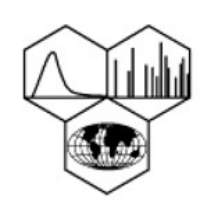
(Director of Systems Design, Earth Institute)



Since then....

- Prototype development
- Eye-tracking and usability study





Acknowledgements

Patsalos Award: sponsored by Dr Philip & Mrs Ellie Patsalos
IATDMCT

Supervisors:

A/Prof Stephanie Reuter Lange (University of South Australia)

A/Prof Michael Ward (University of South Australia)

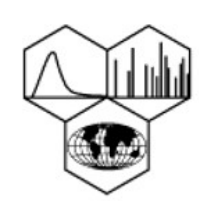
Dr Sophie Stocker (The University of Sydney)

Dr Renjy Nelson (Central Adelaide Local Health Network, SA)

End-user support:

Dr Phil Selby (SA Pharmacy)





Thank you!



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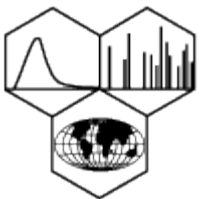
Victor Armstrong Young Investigator Award

Presented to a Young Investigator for
Exceptional Scientific Achievements Early in
his/her Career

Professor Victor William Armstrong



- ✓ His research field focused on lipids and atherosclerosis. In 1988, Prof. Armstrong received the Venia Legendi for Clinical Chemistry and Pathobiochemistry.
- ✓ In 1991, Prof. Armstrong joined Prof. Oellerich's research group on therapeutic drug monitoring and contributed in the years thereafter substantially to further the development of this field on both national and international levels. He was involved in the establishment of tandem mass spectrometry and pharmacogenetics in Goettingen.
- ✓ Prof. Armstrong published more than 200 articles in renowned international scientific journals. In 2001, he received the “American Association for Clinical Chemistry Outstanding Speaker Award.” In 2007, his high scientific excellence was acknowledged with the “Charles Pippenger Award for Outstanding Contributions to Therapeutic Drug Monitoring” from the IATDMCT.



OBITUARY



Prof. Dr. Victor William Armstrong 1948–2010

His all too early death is a severe loss for all of us.

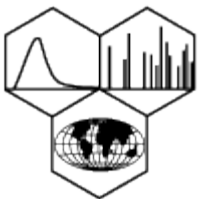
**Prof. Dr. med. Dr. h.c. Michael Oellerich,
FFPath (RCPI), FRCPath**

Ther Drug Monit • Volume 32, Number 3, June 2010

Past Recipients of the V. Armstrong Award

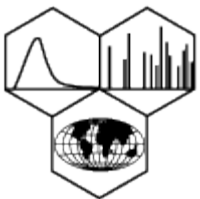
- ✓ 2022 Sophie Stocker, Australia
- ✓ 2021 Tomoyuki Mizuno, USA
- ✓ 2018 Laure Elens, Belgium
- ✓ 2017 Markus Meyer, Germany
- ✓ 2015 Jan-Willem Alffenaar, Netherlands
- ✓ 2013 Roger Brüggemann, Netherlands and Paula Schaiquevich, Argentina
- ✓ 2011 Dennis Hesselink, The Netherlands
- ✓ 2009 Frank Peters, Germany
- ✓ 2007 Vanessa Steenkamp, South Africa
- ✓ 2005 Maria Shipkova, Germany
- ✓ 2003 Paul Taylor, Australia
- ✓ 2001 Pierre Marquet, France
- ✓ 1999 Ekkehard Schütz, Germany
- ✓ 1997 Amitava Dasgupta, USA
- ✓ 1995 Uwe Christians, Germany
- ✓ 1993 Randall Yatscoff, Canada

**2020 postponed due to Covid pandemic*



Nominations for Victor Armstrong Award 2024

- ✓ Iris Minichmayr
- ✓ Jasmine Hughes
- ✓ Jessica Cusato
- ✓ Lea Wagmann



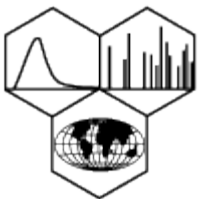
V. Armstrong Award 2024: Committee & criteria

Voting members

- ✓ Jan-Willem Alffenaar (*President*)
- ✓ Christophe Stowe (*President-Elect*)
- ✓ Florian Lemaitre (*Secretary*)
- ✓ Kamisha Johnson-Davis (*Treasurer*)

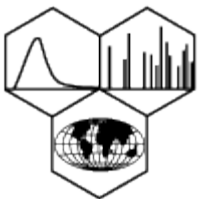
Criteria used for the evaluation

- ✓ Attendance to previous IATDMCT Congresses
- ✓ Bibliometric indicators
- ✓ Publications in TDM
- ✓ Activities within IATDMCT



Nominations for Victor Armstrong Award 2024

AND THE
WINNER
IS.....



Nominations for Victor Armstrong Award 2024

- ✓ Iris Minichmayr
- ✓ Jasmine Hughes
- ✓ **Jessica Cusato**
- ✓ Lea Wagmann

