

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

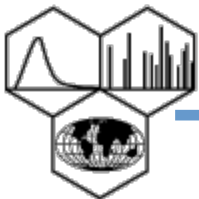
**WELCOME!**



# Agenda

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



# In Memoriam

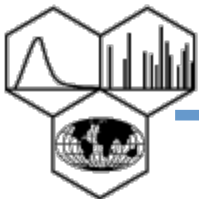
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**Professor Roger Jelliffe, MD, FCP,  
University of Southern California,  
passed away on 22 June 2020.**



**Dr. Erik van Maarseveen, Ph.D.,  
University Medical Center in Utrecht,  
passed away on 16 May 2020.**





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## President

### Topics:

- 18th Congress of the IATDMCT (Virtual)
- Future Congresses
- Regional meetings
- Collaboration with other societies
- Alert of fake Email transmissions

# 18th Congress of the IATDMCT

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- Originally planned to be held at Banff, Canada, in September 2020.
- Due to the COVID-19 pandemic, the Congress was changed to web-based 'virtual' meeting.
  - It was highly challenging because the organizing committee did not have enough time to prepare the first virtual attempt.
  - The Congress was successful.
  - Thank you very much for tremendous effort by Penny Colbourne and David Kinniburgh, co-chairs and the organizing committee members.



# Future Congress

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- Next 3 Congresses will be held in Europe (2021-2023).
- IATDMCT Council would like to hold an in-person Congress at Banff, Canada.
- The Council unanimously agreed to select the venue of 2024 Congress as Banff again.
- Penny Colbourne and David Kinniburgh agreed to host the Congress in 2024.



# Regional meeting

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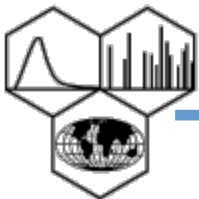
- IATDMCT regional meeting in Singapore was originally planned in November 2020, but it was postponed due to the COVID-19 pandemic.
  - Pre-conference workshop for the 18th Asia Pacific Congress of Clinical Microbiology and Infection
  - Maybe November 2021?





# Collaboration with other societies

- DUPHAT 2020
  - 25th Dubai International Pharmaceuticals & Technologies Conference & Exhibition
  - 25-27 February 2020
  - Christophe Stove as an IATDMCT representative
  - Lecture: Dried blood microsampling in therapeutic drug monitoring: What's on the horizon?
  - Workshop: State-of-the-art in therapeutic drug monitoring
  - Interview on YouTube:  
<https://www.youtube.com/watch?v=OX8pyt80fTE>





# Collaboration with other societies

- National Annual Conference on TDM in China
  - International session in collaboration with IATDMCT
  - 26 September 2020 (hybrid of in-person and online)
  - Contributors
    - Liyan Miao, Yusuke Tanigawara
    - Miao Yan, Rongsheng Zhao
    - Murray Barclay, Dario Cattaneo, Debbie Marriott,
    - Christophe Stove, Yalin Dong, Rongsheng Zhao
    - Jana Stojanova, Sophie L Stocker, Laure Elens



# Collaboration with other societies

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- Affiliate Societies:
- Japanese Society of TDM (JSTDM), 2018
- American College of Clinical Pharmacology (ACCP), 2020
- New Cooperation:
- International Federation of Clinical Chemistry and Laboratory Medicine (IFCC)
  - IATDMCT and IFCC agreed to cooperate in various areas to improve the development of laboratory medicine in therapeutic drug monitoring (TDM)
  - June 2020

Yusuke Tanigawara



IATDMCT President

*June 16, 2020*

Khosrow Adeli



IFCC President

June 7, 2020



# Alert of Fake Email Transmissions

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Dear IATDMCT Members,

IATDMCT would like to advise you that emails impersonating the IATDMCT Office and Board Members are circulating, and you may receive fake correspondence that appears to be from IATDMCT or a Board Member that in fact is not coming from us.

Our IT staff continues to investigate this issue, but cannot prevent the fake correspondence from being sent.

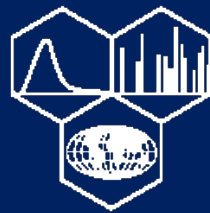
If you receive suspicious correspondence from IATDMCT or a Board/Committee member, please delete the email immediately and do not open any attachments.

Thank you for your cooperation and our apologies for the inconvenience.

IATDMCT Office



*Email blast on 17-18 September 2020*



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## **President-Elect report**

**Dario Cattaneo**

# President-Elect report



We congratulate [Penny Colbourne](#) and [David Kinniburgh](#), Co-Chairs as well as the organizing committee and the scientific committee ([Loralie Langman](#), [Dylan Thomas](#), [Pam Lyons](#), [Megan Howes](#), [Nicolas Venisse](#), [Gina Chew](#), [Jennifer Martin](#), [Christiana Stefan](#)) for their success in organizing the scientific program for the "First IATDMCT Virtual" Congress



# President-Elect report



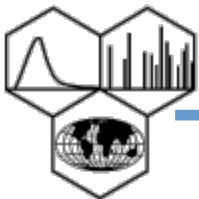
- 351 registered attendees
- 37 Countries represented
- 140 abstracts submitted (84 accepted)
- 2 plenary sessions
- 14 concurrent symposia
- 4 Industry Workshop Webinars
- Net profit: \$14,081.40



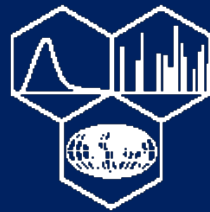
# Future Congresses

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- 19<sup>th</sup> IATDMCT Congress 2021 September 19-22, 2021, Rome, Italy
- 20<sup>th</sup> IATDMCT Congress 2022 September 18-21, Prague, Czech Republic
- 21<sup>st</sup> IATDMCT Congress 2023, September 24-27 (tbc), Oslo, Norway
- 2024: on site, 18<sup>th</sup> IATDMCT Congress, September, Banff, Canada
- **22<sup>nd</sup> IATDMCT 2025? Deadline for proposal submission: July 31, 2021**







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## **Past President's Report**

**Dr. Teun van Gelder**

# Past President's report

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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 Banff: no awards

In Rome: all 4?



# Past President's report

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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: P-elect.

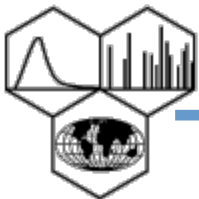
Current President-elect (Dario Cattaneo) has COI : TvG in stead.

Update: Call for proposals (scientific committees)

December 3: Program Scientific Committee has meeting

Aim for LIVE event, with plan B

TvG to support recruiting sponsors (financial risk at PCO)



# Past President's report

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2021: elections for IATDMCT (Executive) Council





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## Secretary 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
<b>627</b>		<b>638</b>		<b>11</b>
<b>56</b>	<b>New Members through Member-Get-A-Member Campaign</b>	<b>24</b>	<b>New Members through Member-Get-A-Member Campaign</b>	



# Secretary report: Membership 2020

## Top 15 Countries 2020

Members 2020	Country	Development vs. 2019 (n)	
77	Japan	-4	↓
66	India	20	↑
53	United States	-10	↓
52	Brazil	9	↑
45	China	-3	↓
30	Netherlands	-7	↓
28	Canada	3	↑
25	Germany	3	↑
25	Malaysia	5	↑
24	Australia	-3	↓
21	United Kingdom	0	↔
18	Belgium	-5	↓
12	France	-3	↓
10	Italy	1	↑
10	Norway	1	↑





# Secretary report: Membership 2020

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## ■ Loss Members/Country

**2019**

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

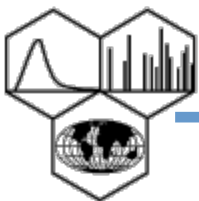
**2020**

- USA 10
- Netherlands 7
- Sweden 6
- Belgium 5
- Japan 4

## ■ Gain Members/Country

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

- India 20
- Brazil 9
- Mexico 6
- Malaysia 5



# Secretary report: MEMBER-GET-A-MEMBER 2020

**“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!**

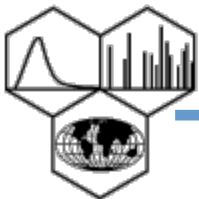


**19<sup>th</sup>**  
**International Congress**  
**of Therapeutic Drug**  
**Monitoring and Clinical**  
**Toxicology**

**19-22 September 2021 • Rome Italy**

**By November 2020: 24 new Members recruited in the Campaign**

**In Lead: Elens Laure (Belgium) with 2 new members**



# Secretary report: Affiliated Societies

## AFFILIATED SOCIETIES



Members of affiliated societies may join IATDMCT at a reduced fee and enjoy the full function of IATDMCT [membership benefits](#). [Click here for more information](#).

## ACCP

← 2020



American College of  
Clinical  
Pharmacology

## JSTDM

← 2018



Japanese Society of  
Therapeutic Drug  
Monitoring (JSTDM)

## Affiliate Membership

- Collaboration of IATDMCT is **with a selected group of affiliated scientific societies that share its aims particularly on a national level.**
- Members of affiliated societies may join IATDMCT and enjoy the **full function of IATDMCT membership benefits with reduced IATDMCT dues.**
- 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](mailto:info@iatdmct.org) for more details.**



# Secretary report:

ACCP




American College of  
Clinical  
Pharmacology

## SOCIETY COLLABORATION

### MEMORANDUM OF UNDERSTANDING

The **American College of Clinical Pharmacology** (hereinafter "ACCP"), a 501(c)(3) nonprofit corporation organized and operating under the laws of the District of Columbia and having its principal business offices at 21750 Red Rum Drive, Suite 137, Ashburn, VA 20147 and the **International Association of Therapeutic Drug Monitoring and Clinical Toxicology** (hereinafter "IATDMCT") enter into this 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.

ACCP

By:   
Vikram Arya, President

Date: 02/02/2020

IATDMCT

By:   
Yusuke Tanigawara, President

Date: December 16, 2019

#### Appendix A

The initial effort put forth by the ACCP and IATDMCT shall be to develop a joint symposium for the 2020 IATDMCT Congress.

Additional efforts might include, but not be limited to, joint manuscripts or Position Papers/Policy Statements or joint development of a Proposal for the 2021 ACCP Annual Meeting.

Rome 2021??



# Secretary report:

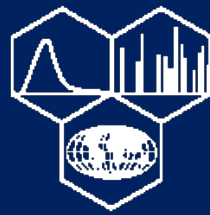


- Liaison Council/Communication Committee

IATDMCT Communication Committee without any LOCKDOWN in 2020!

Thank you for your hard work and immense reliability in keeping the communication with our members on the high level we are used to despite all the limitations of the difficult time we just are going through!





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## Treasurer Report

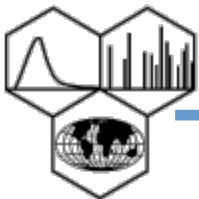
**Denise A McKeown**

Forensic Medicine and Science, University of Glasgow  
Glasgow, UK

# 2019 Financials: Overview

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- 2019 Revenue: **\$275,784** (2018 Revenue \$307,737)
  - TDM Journal Royalties: \$238,281
  - Membership Fees: \$34,458
  - Awards Revenue: \$3000
- 2019 Expenses: **\$210,539** (2018 Expenses \$220,925)
  - TDM Journal Related: \$136,893
  - Administrative Expenses: \$33,446
  - Membership Services: \$40,200
- 2019 Surplus: **\$65,245** (2018 Surplus \$86,812)

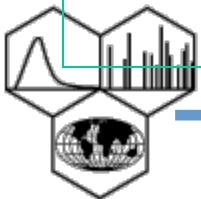




# 2019 Financials: Administration Expenses

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- 2019 General & Administrative Expenses:  
**\$33,446**
  - Management Fee: \$15,000
  - Professional Fees: \$10,583
  - Administration Expenses: \$7863



# 2019 Financials: Membership Services Expenses

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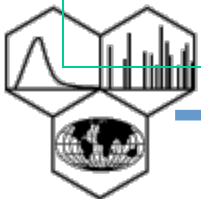
- Membership Services Expenses: **\$40,200**
  - Website: \$6359
  - Compass: \$5545
  - Award Winners: \$2594
  - Member Recognition & Resources: \$214
  - International Travel Grants: \$4000
  - Congress: \$21,488

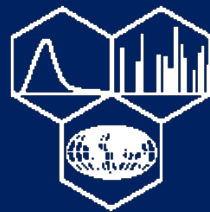


# 2019 Financials: Summary

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- IATDMCT Assets
  - Remain strong
- Queries / Questions Contact
  - [denise.mckeown@glasgow.ac.uk](mailto:denise.mckeown@glasgow.ac.uk)





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## Communications Committee

**Chair: Professor Kamisha Johnson-Davis**  
University of Utah (USA)

**Vice-Chair: Professor Ofelia Noceti**  
National Center for Liver Transplantation and  
Liver Diseases (Uruguay)

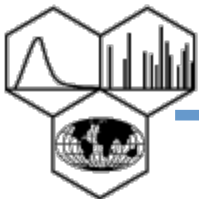
**Natalia Riva (Argentina)**  
**Manuela Neuman (Canada)**  
**Jana Stojanova (Chile)**  
**Maria Shipkova (Germany)**  
**Miao Yan (China)**  
**Debbie Marriott (Australia)**  
**Staffan Rosenborg (Sweden)**

**Louise Andrews (Netherlands)**  
**Ryuji Kato (Japan)**  
**Alain Verstraete (Belgium)**  
**Denise McMeown (United Kingdom)**  
**Olga Millan Lopez (Spain)**  
**Markus Meyer (Germany)**  
**Laure Elens (Belgium)**

# Communications Committee

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- To attain real-time interactivity, global connectivity and highspeed information sharing.
- To monitor platforms to ensure they are active; working & content is appropriate.
- To inform Social Media Teams of important news that should be posted.
- To stay updated as Social Media platforms emerge, evolve & change thus CC must trends these changes, withdrawing redundant platforms and introducing new tools.
- To assure the yearly calendar of postings and editions are accomplished
  - Social media, Compass, e-News, Blog, TDM Adverts, Congress announcements, Website updates, Educational Resources



# IATDMCT Social Media Team



- @IATDMCT on Twitter (2130 followers) – 12 tweets/ month; 76 new followers since last year
  - Managers: Olga Millan Lopez
- IATDMCT Group on LinkedIn (984 Contacts; 257 followers)
  - 24% more contacts than in 2019; 13% more followers
  - Managers: Ofelia Noceti
- IATDMCT Facebook (256 Friends)
  - Least used platform
  - Plans to change to Instagram in 2021
  - Manager: Kamisha Johnson-Davis



# IATDMCT Website Updates

Webmaster and Collaborator – Alain Verstraete & Ofelia Noceti



- Website Remodeling began in April 2020. COVID section was added to the website due to the pandemic. Google analytics tools have been implemented since August 2020 and published in the Compass. The IATDMCT Office was instrumental for updating website material

Directors of Education – Select content for Resources Area of Website

- 17<sup>th</sup> Annual Congress presentations were added
- Dutch TDM guidelines will be translated to English
- Singapore meeting was postponed until next year



Debbie Marriott



Markus Meyer



Staffan Rosenborg





# Compass Quarterly Newsletter

- Compass editors have done an Outstanding job



Summary of activities of the IATDMCT Newsletter

By Natalia Riva and Louise Andrews



Natalia Riva



Louise Andrews

- Content: Contributions from Scientific Committees, Awards,
- New member spotlight, Meeting reports, Committee Activities





# Compass Quarterly Newsletter

Scientific Committees	2019	2020
Alternative Sampling Strategies	1	3
Anti-Infective Drugs	0	1
TDM of Biologics	1	1
Clinical Toxicology /DOM	3	1
Immunosuppressive Drugs	1	1
Pharmacogenetics	1	1
Pharmacometrics	1	1
TDM in Oncology	1	1
Toxicology and Environmental Health	1	1
Young Scientists	4	1
Communications Committee	0	2
Individual Contributions	5	8

- Sharing the Compass on LinkedIn has increased the number of views
  - Dec 2019 (516 views); June 2020 (235 views), Sept 2020 (621 views)
- Future plans:
  - Index the compass for search capabilities
  - Create survey for topics of interest and feedback
- The editors thank all committees for contributions



# IATDMCT E-News (Monthly) & Blog

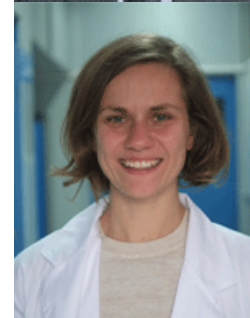
- Purpose: Communicate news via e-mail to the membership
- *Topics*: Office news, Congress updates, advertisements, report of academic activities of members from the Scientific Committees & Blog
- 2019 (10 issues), 2020 (9 issues to date)
- Blog
  - 2019 (8 interviews), 2020 (7 interviews)
  - Monthly page views (120 – 1816)



Manuela  
Neuman



Ryuji  
Kato



Jana  
Stojanova

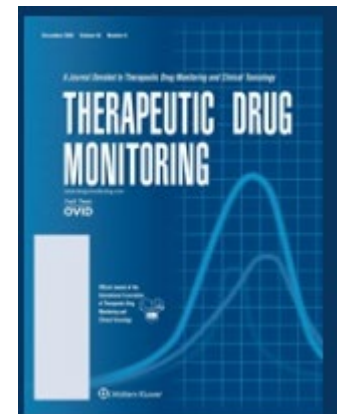


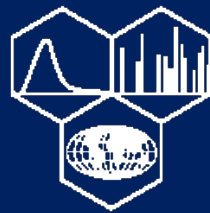
# TDM Journal Adverts

- Purpose: Advertising to promote IATDMCT activities
- *Adverts:*
  - Social Media Reminders, Membership Promotion and benefits
  - Congress Invitations with important dates, Program symposiums & Scientific Committees, Award Winners
  - Workshop promotions, Travel grant winners and Sponsors
- Manager: Denise McKeown & Office Design Support



Denise  
McKeown





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## Clinical toxicology / drugs of misuse committee

**Chair: Professor *Manuela Neuman Ph.D. FCACB***

*University of Toronto, Ontario, Canada*

**Vice-Chair: Professor *Eric J. Franssen Ph.D***

*Onze Lieve Vrouwe Gasthuis, Amsterdam, The Netherlands*

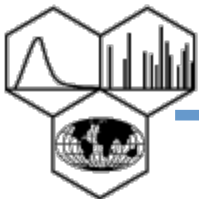
**Past Chair: Professor *Vanessa Steenkamp***

*University of Pretoria, South Africa*

# AIMS

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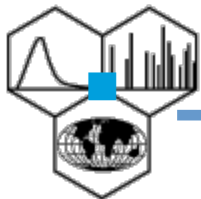
- To promote Clinical Toxicology knowledge
  - Developing practice guidelines,
  - Publishing scientific and professional articles in the field of clinical toxicology;
  - Writing communication for Compass;
  - Being active in IATDMCT
  - Actively presenting their experience at workshops/symposia/oral or poster presentations at the IATDMCT Congress and other scientific meetings



# Members

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- **Professor Dr. Hans H. Maurer**, University of Saarland , Germany
- **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
- **Professor Alain Verstraete**, Ghent University Hospital, Ghent, The Netherlands
- **Professor Daan Touw** , University Medical Center Groningen, The Netherlands
- **Professor Dr Olaf Drummer**, Monash University, Australia
- **Professor Kamisha Johnson-Davis**, University of Utah, Salt Lake City, USA



**Professor Amitava Dasgupta**, University of Huston, USA

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# Members

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



# Members

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**Prof. Daniel Kurnik**, Rambam Medical Center, Technion, Haifa, Israel

- **Dr. Daniel Sundar**, Baid Metha College of Pharmacy , Chennai, India.
- **Dr. Peter Zweipfenning**, The Neetherlands
- **Dr. Daniel Beriault**, Saint Michel Hospital, Toronto, Canada
- **Dr. Serguei Likhodi**, BC Provincial Health Authority, Vancouver, Canada
- **Dr. Benjamin Jung**, Sick Kids Hospital, Toronto, Canada
- **Prof. Andrew Lyon**, University of Saskatchewan, Saskatoon, Canada
- **Prof. Minodora Dobreanu** , University of Targu Mures, Romania





# Compass

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- **Issue IV 2019:** Moving Beyond Immunoassays for the Poisoned Patients: Analytical Approaches and Interactive Case Studies- ***Dr. Amitava Dasgupta***, The University of Texas Health Science Center, Houston & ***Dr. Kara Lynch***, University of California, San Francisco.USA
- **Issue III 2020:** Clinical Toxicology Assessment in a Drug-induced Liver Injury in Haemochromatosis. ***Dr. Neuman Manuela***. *In Vitro* Drug Safety and Biotechnology, Toronto, Canada



# Compass, e-News, website

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## Issue IV 2020:

- Cannabis use and misuse. **Dr. Manuela Neuman**, University of Toronto, Canada
- **Renewed IATDMCT website**  
**Dr. Alain Verstraete**, CTDOM & Communications Committee
- **Dr. Kamisha Johnson-Davis** – Head of Communications Committee,
  - Vice-chair for the Clin. Chemistry and Toxicology expert panel for the Clinical. & Laboratory Standards Institute
  - co-director Clin. Chemistry Fellowship Program, University Utah,
- **eNews co-editor Dr. Manuela Neuman**



**CT**  
**ngress**

Flag transfer ceremony  
18<sup>th</sup> IATDM  
September 2020  
Banff



Professor Alain Verstraete

# CTDOAM – Activities

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- **David Kinniburg** - Chair of the Local Organization Committee and Co-organizer of the virtual IATDMCT, 2020 ;
  - *the IFCC.*; presented at EUROLAB
- **Loralie Langman** -Member of Local Organization Committee IATDMCT;
  - organized symposium on Clinical Toxicology at CSCC;
  - Editor of Clinical Biochemistry
- **Cristiana Stefan** and A. **Verstraete**, presented at the IATDMCT Symposium Scientific Meeting,.
- **Cristiana Stefan** - Chair of Abstract Committee
- **Judges of Abstracts: Andrew Lyon, Benjamin Jung, Lei Fu, Manuela Neuman, Cristiana Stefan**





# 2021- ROME





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## **Alternative sampling strategies Committee**

**Rafael Linden, PhD (Chair)**

School of Pharmacy

Feevale University, Novo Hamburgo, Brazil

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

University Medical Center Groningen

University of Groningen, Groningen, The Netherlands

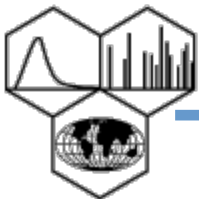
# Committee Membership

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## ■ Current Members (updated 2020)

- Jan-Willem Alffenaar
- Christophe Stove
- Begoña Delgado-Charro
- Pleasant Hooper
- Rafael Linden
- Leo Stolk
- Constantinos Pistos
- Remco Koster
- Herman Veenhof\*
- Melanie Bailey\*
- Samiksha Ghimire\*
- Birgit Koch

\*New members



# Activities

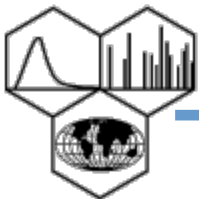
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## ■ Review paper

- 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**
  - Currently under review at TDM
  - Submitted to a special issue on alternative sampling edited by Christophe Stove

## ■ Website data updated

## ■ Symposium proposals to the Rome Congress OC





# Publications

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## ■ Compass contributions:

- March 2020 edition: Fingerprints - an alternative sampling matrix for therapeutic drug monitoring? by Melanie Bailey and colleagues from the University of Surrey, UK
- June 2020 edition: Drastic increase of microsampling use during the COVID-19 crisis, by Herman Veenhof
- September 2020 edition: Increasing global access to therapeutic drug monitoring - Analytical challenges and opportunities of oral fluid, by Jan-Willem Alffenaar





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Annual General Meeting | Monday, November 30, 2020

## **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, Carsten Mueller, Michael Neely, Charles Peloquin, Gauri Rao, Jason Roberts, Indy Sandaradura, Abdullah Saleh Sultan

### **New members**

Sara Baldelli, Samiksha Ghimire, Stephanie Reuter Lange, Sophie Stocker, Jana Stojanova

# Major publication initiatives

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- Märtson AG, Sturkenboom MGG, Stojanova J, Cattaneo D, Hope W, Marriott D, Patanwala AE, Peloquin CA, Wicha SG, van der Werf TS, Tängdén T, Roberts JA, Neely MN, Alffenaar JC. **How to design a study to evaluate therapeutic drug monitoring in infectious diseases?** Clin Microbiol Infect. 2020;26:1008-1016.
- Rao GG, Konicki R, Cattaneo D, Alffenaar JW, Marriott DJE, Neely M. **Therapeutic Drug Monitoring Can Improve Linezolid Dosing Regimens in Current Clinical Practice: A Review of Linezolid Pharmacokinetics and Pharmacodynamics.** Ther Drug Monit. 2020;42:83-92.
- Abdul-Aziz MH, Alffenaar JC, Bassetti M, Bracht H, Dimopoulos G, Marriott D, Neely MN, Paiva JA, Pea F, Sjovall F, Timsit JF, Udy AA, Wicha SG, Zeitlinger M, De Waele JJ, Roberts JA. **Antimicrobial therapeutic drug monitoring in critically ill adult patients: a Position Paper.** Intensive Care Med. 2020;46:1127-1153.



# Compass submissions

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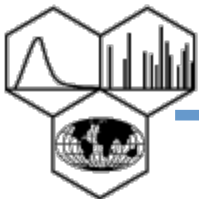
- March 2020: Birgith CP Koch. Model based dosing in critically ill patients: to TDM or not to TDM of beta lactam antibiotics and ciprofloxacin and the effects on clinical outcome



# Sessions at IATDMCT ASM 2020

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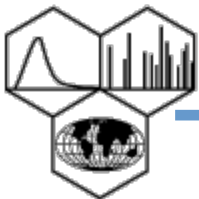
- **Concurrent Symposium 5: Fast and Furious!  
Personal Pithy Patient Practice Points**
  - **Alan Abdulla**, Netherlands
  - **Jan-Willem Alffenaar**, Australia
  - **Sumith Mathew**, India
  - **Dario Cattaneo**, Italy
  - **Debbie Marriott**, Australia
  - **Abdullah Alsultan**, Saudi Arabia
  - **Roger Brüggemann**, Netherlands
  - **Carsten Müller**, Germany
  - **Michael Neely**, USA
  - **Sophie Stocker**, Australia



# Sessions at IATDMCT ASM 2020

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- **Concurrent Symposium 9: The Growing Problem of Dosing the Obese Patient: What the Product Information Doesn't Tell You**
  - **Introduction and Dosing the Obese Elderly Patient.** Dario Cattaneo, Italy
  - **Anti-Infective Dosing in the Obese Child.** Catherijne A.J. Knibbe, Netherlands
  - **Dosing the Patient with Obesity; Changes with Weight Reduction.** Anders Asberg, Norway
  - **The Obese Patient in the Intensive Care Unit.** Debbie Marriott, Australia



# TDM – China Annual Meeting September 2020

## Working together in tough times: talk together about TDM frontiers

- International session
- 4 members of the Anti-Infectives Committee participated
  - Jana Stojanova – Opportunities and challenges of design and conduct for high quality TDM studies: study design
  - Sophie Stocker - Opportunities and challenges of design and conduct for high quality TDM studies: on-line education
  - Dario Cattaneo – Present and future of TDM as a tool to optimise anti-retroviral therapies
  - Debbie Marriott – TDM of anti-infective drugs in the critical care setting



# Scientific contribution

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- Members of the anti-infectives committee have over **160** publications directly related to anti-infective TDM in refereed journals in the last 12 months
- Presentations at over **30** national and international conferences
- **15** regular reviewers for peer-review journals





# Future activities

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- Preparation of a position paper on the TDM of vancomycin to be submitted to our journal
- Preparation of a position paper on the TDM of echinocandins to be submitted to our journal
- TDM workshop an approved pre-conference workshop for the 18<sup>th</sup> Asia Pacific Congress of Clinical Microbiology and Infection (Nov 2021?)
- Continue contributions to Compass





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Annual General Meeting | Monday, November 30, 2020

## **Immunosuppressive Drugs Scientific Committee**

**Chair: Professor Stein Bergan**

Oslo University Hospital & University of Oslo, Oslo, Norway

**Vice-Chair: Professor Satohiro Masuda**

International University of Health and Welfare Narita Hospital, Narita, Japan

# Committee members

(-3; +4 vs 2019; n=35)

- 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,
- Iain MacPhee,
- Pierre Marquet,
- Satoshiro Masuda,
- Binu Susan Mathew,
- Olga Millan,
- Michael Milone,
- Dirk-Jan Moes,
- Mariadelfina Molinaro,
- 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

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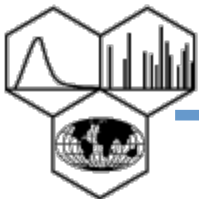
- To provide evidence-based recommendations for TDM of immunosuppressive agents
- To promote the knowledge and understanding of immunosuppressive drug analysis and interpretation of results
- To enhance communication between scientists and physicians of all disciplines involved in TDM of immunosuppressive 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 2019-2020

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- Consensus documents (I)
  - 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*
    - Manuscript submitted to the *TDM journal* nov 2020
      - 131 manuscript pages; 571 refs.



# Committee achievements 2019-2020

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- Consensus documents (II)

- See also under Intracellular tacrolimus measurement Working Group (below): Measuring Intracellular Concentrations of Calcineurin Inhibitors...

- Publications

- Pharmacologic Treatment of Transplant Recipients Infected With SARS-CoV-2: Considerations Regarding Therapeutic Drug Monitoring and Drug–Drug Interactions. Elens, Langman, Hesselink, Bergan, Moes, Molinaro, Venkataramanan, Lemaitre. *Ther Drug Monit* 2020;42:360–368. PMID 32304488.
- Potential drug-drug interactions associated with drugs currently proposed for COVID-19 treatment in patients receiving other treatments. Lemaitre F. & members of the French Society of Pharmacology, Therapeutics (SFPT), the International Association of Therapeutic Drug Monitoring, Clinical Toxicology (IATDMCT). *Fundam Clin Pharmacol* 2020;34(5):530-547; PMID 32603486



# Committee achievements 2019-2020

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- Participations in Symposia and Workshops (I)
  - 17<sup>th</sup> IATDMCT Congress; Foz do Iguacu, Brazil, Sept 22<sup>nd</sup>-26<sup>th</sup> 2019.  
Presentations and chairs at several symposia, including a plenary lecture (Advanced TDM of tacrolimus; P.Marquet)
  - The 16<sup>th</sup> Congress of the Asian Society of Transplantation; New Delhi, India; Sept 29<sup>th</sup>-Oct 2<sup>nd</sup> 2019.
    - - Joint meeting with Indian Society of Organ Transplantation (ISOT), Centre for Liver and Biliary Sciences (CLBS), Indian Society for Heart and Lung Transplantation (INSHLT) and International Congress of the International Society of Vascularized Composite Allotransplants (ISVCA).
  - Symposium: Therapeutic drug monitoring of immunosuppressants: Clinical challenges and analytical issues. *By Dr. Smita Pattanaik*, Post Graduate Institute of Medical Education and Research (PGIMER), Chandigarh, India.



# Committee achievements 2019-2020

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- Participations in Symposia and Workshops (II)
  - 18<sup>th</sup> / 19<sup>th</sup> IATDMCT Congresses

A pre-congress symposium, Update on MPA TDM, was prepared and accepted for the planned 18<sup>th</sup> congress (Banff). Following the cancel of that congress in its original format, the suggestion for this symposium has now been forwarded to the committee for the 19<sup>th</sup> congress (Rome), also accompanied by other suggestions for topics related to immunosuppressive drugs.

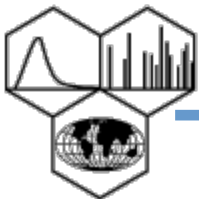




# Committee achievements 2019-2020

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- Compass –active participation
  - Compass vol 19 issue 1, March 2020
    - Report on the symposium Therapeutic drug monitoring of immunosuppressants: Clinical challenges and analytical issues. At the 16<sup>th</sup> Congress of the Asian Society of Transplantation. By Dr. Smita Pattanaik, Post Graduate Institute of Medical Education and Research (PGIMER), Chandigarh, India.
  - Compass vol 19 issue 2, June 2020
    - The potential of the IATDMCT Scientific Committees; S.Bergan, Oslo University Hospital, Norway



# Committee achievements 2019-2020

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- 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.

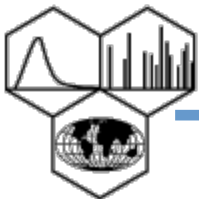
First step is to establish a group of members to address this.



# Working groups achievements 2019-2020

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- 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
  - Best Young Scientist Oral Presentation Award at the IATDMCT Congress 2019:  
Florian Lemaitre, for his work entitled “Longitudinal follow-up of liver transplant recipients using intracellular tacrolimus concentrations and pharmacodynamic monitoring: preliminary results of the OPTILTH study”.



# Working groups achievements 2019-2020

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- Standardization of ISD TDM Working Group  
(Leaders: C. Seger, L. Langman)
- A joint committee with IFCC is established
  - Which means that several members of the IATDMCT ISD-SC are now also included in the IFCC working group, which is chaired by Christoph Seger.
    - Excerpt from the minutes of the 64<sup>th</sup> IFCC meeting in Milano (Oct 11<sup>th</sup> – 12<sup>th</sup> 2019):  
*“8.3.53 WG – Immunosuppressive Drug (WG-ID):  
Dr. Loralie Langman as Past President of the IATDMCT took up the task to establish a link between IFCC and IATDMCT. Consequently a "memorandum of understanding" to extend the WG-ID to a IFCC-IATDMCT joint WG was prepared. This memorandum is already agreed on by the IATDMCT President (Dr. Teun van Gelder) and President-Elect (Yusuke Tanigawara) and has been recently forwarded to the SD-chair for approval and forwarding to the IFCC EB.”*



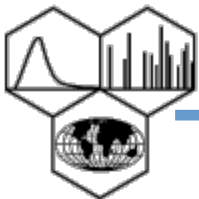
# Working groups achievements 2019-2020

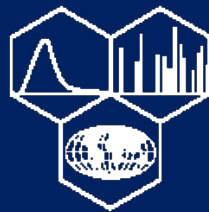
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- Biomarkers working group

(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

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- Publications in TDM journal

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

Contribution to: Mycophenolate Personalized Therapy: Consensus Report by the International Association of Therapeutic Drug Monitoring and Clinical Toxicology (lead by prof Stein Bergan) *submitted*

- Contribution in IATDMCT compass

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

**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 in press*



# Connections

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- 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)

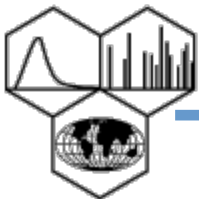


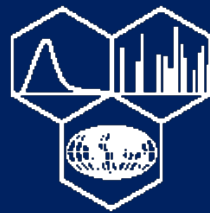


# Future activities

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- Make proposals for IATDMCT PGx session in Rome, 2021
- 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 the need for updated PGx guidelines in immunosuppressive therapy
- Explore a closer connection with CPIC regarding PGx guidelines





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

## Pharmacometrics Committee

**Chair: Brenda de Winter**

Erasmus Medical Center, Rotterdam, the Netherlands

**Vice-Chair: Jean-Baptiste Woillard**

CHU Limoges, Limoges, France

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

# Renewed committee

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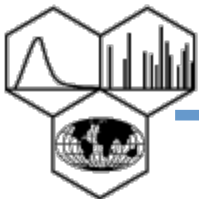
- Rebuilding of the PM committee at Iguazu
  - New chair/vice-chair and members
  - Update purpose and aims of committee
    - Advance the field of "model-informed precision dosing" and its application in the clinical setting across different therapeutic areas
    - Improve the design of clinical trials based on PM models using optimizing 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
  - Update the website



# Activities

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- Planning of interesting meetings/symposia for upcoming congresses at Banff and Rome
  - Collaboration with other IATDMCT committees
  - Inspire IATDMCT members to use pharmacometrics
  - Educational
  
- We discussed at 4 zoom meetings with our committee since Iguazu congress in 2019



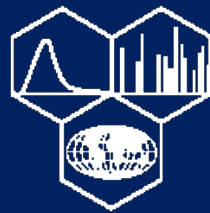
# Publications

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## ■ Compass:

- Dosing algorithms of tacrolimus in children (issue September 2019)
- Workshop of Michael Neely in Argentina (issue March 2020)
- The use of pharmacometrics in COVID-19 patients (issue September 2020)





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

## TDM of Biologics Committee

### **Chair: Núria Padullés-Zamora**

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**

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

# Committee membership

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- Núria Padullés-Zamora (Chair)
- Murray Barclay (Vice-Chair)
- Adam Cheifetz
- Anne Strik
- Annick de Vries
- Bella Ungar
- Catherine Smith
- David Foster
- David Ternant
- Debby Thomas
- Gertjan Wolbink
- Helena Colom-Codina
- Jordi Guardiola
- J German Sanchez
- Konstantinos Papamichail
- Lisa Stamp
- Maya Imbrechts
- Niels Vande Castelee
- Patricio Mas Serrano
- Satoshiro Masuda
- Zoe van Kempen



# Purpose

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- The TDM of Biologics Scientific Committee was officially installed in the 2019 IATDMCT Congress.
- The aims of the committee are:
  - To develop guidelines for the use of TDM of biologics.
  - To encourage the use of TDM of biologics with the aim of optimizing 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 interaction.
  - To promote best practice in relation to laboratory analysis of biologics.
  - 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.
  - To focus on harmonization and standardization of assays for TDM.





# 2019 Agreements (Meeting 09/23/2019)

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- To perform an international comparative study across assays every 5 years.
  - To ask the IATDMCT Executive if a sponsorship letter using the name of IATDMCT can be used to get funding from industry,
- A report of the objective of the Scientific Committee should be submitted for 2019 4Q Compass (submission deadline: November 7<sup>th</sup>).
- To find out whether the TDM in Oncology Scientific Committee includes or not TDM of Biologics
- To suggest some names of new members (chronic inflammatory diseases other than IBD are under-represented)
- To submit proposals for workshops and symposia for the next IATDMCT Congresses.



# 2019-2020 Achievements

- To perform an international comparative study across assays every 5 years.
  - To ask the IATDMCT Executive if a sponsorship letter using the name of IATDMCT can be used to get funding from industry,



As suggested, we will write a brief summary of the study across and send it to the IATDMCT Executive as soon as we can.

- A report of the objective of the Scientific Committee should be submitted for 2019 4Q Compass (submission deadline: November 7<sup>th</sup>).



A report of the objective of the Scientific Committee was submitted (see slide 9).

- To find out whether the TDM in Oncology Scientific Committee includes or not TDM of Biologics



The TDM in Oncology Scientific Committee does not include TDM of Biologics

- To suggest some names of new members (chronic inflammatory diseases other than IBD are under-represented)



New members were invited and accepted the invitation (neurology –MS-, dermatology, rheumatology), however Oncology is still under-represented.

- To submit proposals for workshops and symposia for the next IATDMCT Congresses.



Proposals for workshops and symposia have been submitted.

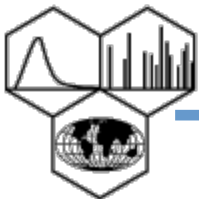


# Website

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- TDM of Biologics website was formed (February 2020)
- Background/Purpose of the Committee, Committee Membership list, Minutes of the last committee meeting (2019 Iguazu)

<https://www.iatdmct.org/scientific-committees/tdm-of-biologics.html>



# Scientific Contribution

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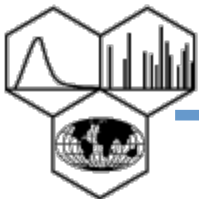
- Publications Presentations at national and international conferences:
  - Multiple peer reviewed papers related to TDM of biologics (some of them are listed in slides 8-13)
- Presentations at national and international conferences:
  - Active participation in national and international conferences



# Participation in Symposia and Workshops

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- IATDMCT Congress:
  - 2019: one proposal submitted and accepted.
  - 2020: “lost year” (proposals were submitted and most of them accepted but it was impossible for me to help with the virtual congress due to situation in Catalonia between March-November 2020 + majority of members preferred waiting for 2021)
  - 2021: proposals submitted (3 + 1 joint proposal with the Pharmacometrics Committee).
- The 10<sup>th</sup> National Annual Conference on Therapeutic Drug Monitoring – Beijing China, 24-27 September 2020
  - Keynote lecture - TDM of Biologics – Prof Murray Barclay
- Members have participated in virtual symposia and workshops including TDM of biologics during 2020.
- In addition, some workshops have been cancelled during 2020.



# Compass submissions

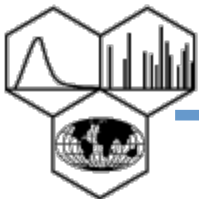
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## ■ 2019:

1. A new scientific committee has been created within iatdmct. The committee is dedicated to promoting the use of therapeutic drug monitoring of biologics. By Núria Padullés-Zamora, And Murray Barclay,; On behalf of the TDM of Biologics Committee.

## ■ 2020:

2. Welcome the new members of iatdmct committees: Z. van Kempen.
3. Personalized natalizumab treatment in multiple sclerosis. By Z. van Kempen and J. Killestein, MS, on behalf of the TDM of Biologics Committee.



# New members 2020

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- Zoe van Kempen
  - Neurology Department, Amsterdam UMC, the Netherlands
  - <http://orcid.org/0000-0001-9557-5381>
- J German Sanchez-Hernandez
  - Pharmacy Department, Complejo Asistencial Univesitario de Salamanca
- Patricio Mas-Serrano
  - Pharmacy Department, Clinical Pharmacokinetic Unit, Hospital General Universitario de Alicante.
  - University of Valencia.



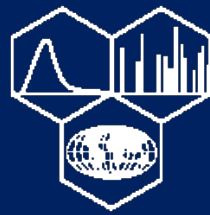
# Future activities (2020-2021)

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- To perform an international comparative study across assays every 5 years.
- 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 (Can we?)
- To re-organize educational activities (workshops) cancelled in 2020.







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

## Oncology Committee Report

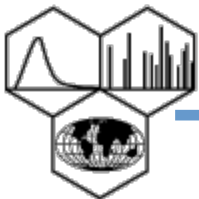
**Chair: Professor Gareth Veal**  
Newcastle University

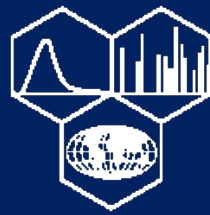
**Vice-Chair: Vacant**

# Oncology Committee Update

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- **Membership**
  - 22 active members
  - Formal membership list?
- **Activities**
  - Regrouping following death of subcommittee chair Erik van Maarseveen
  - Proposals for Rome meeting
  - Virtual group meeting held in November 2020
  - BJCP themed issue on 'precision dosing in oncology'
- **Guidelines**
  - 5FU - published
  - Imatinib - ready for submission
  - Paclitaxel – in draft
- **Future plans**





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

**Chair: Nicolas Venisse**

University Hospital of Poitiers, France

**Vice-Chair: David Kinniburgh**

University of Calgary, Canada

# Committee Membership

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



# Committee Initiatives Completed

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- Compass submission: What is new about the exposome? by Nicolas Venisse, on behalf of the Toxicology and Environmental Health Committee, September 2020 Compass
- Symposium for the 2020 virtual IATDMCT conference :

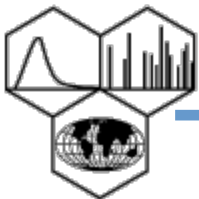
Non-conventional but critical sources of exposure to Endocrine Disrupting compounds (EDC).

1-G Binson: Pharmaceutical products and medical devices as a source of EDCs

2-M Goumenou: Metals as EDCs

3- S Haddad: Modeling exposure from multiple sources and routes

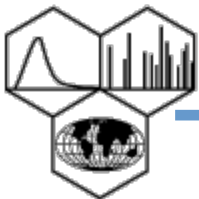
- Proposal for a symposium for the 2021 Congress in Rome

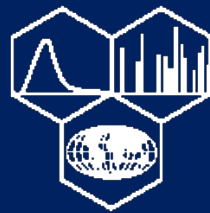


# Activities planned

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- Submission to Compass
- Finalizing the Guideline on bioanalytical validation in Environmental Toxicology (delayed due to COVID outbreak)
- Proposal for a joint symposium with Society of Toxicology (delayed due to COVID outbreak)





International Association of Therapeutic Drug Monitoring  
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## YSC report

**Chair: Professor Laure Elens**

Catholic University of Louvain (UCLouvain), Brussels, Belgium

**Vice-Chair: Brenda de Winter**

Erasmus Medical Center (Erasmus MC), Rotterdam, The Netherlands

# Report on the virtual congress

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- YS symposium : A three speeches session
  - First Talk:

*Physiological changes affecting pharmacokinetics - from cradle to the grave and everything in between.*

**Dr. Sophie Stocker**, St Vincent's Hospital, Sidney, Australia
  - Second Talk:

*Mushrooms poisoning: Global patterns, lab and clinical management*

**Dr. Lea Wagmann**, Saarland University, Germany
  - Third Talk:

*Writing a successful competitive grant proposal*

**Prof. Jan-Willem Alffenaar**, The University of Sydney, Australia
- Feed-backs from inside and outside our committee were very **positive**.



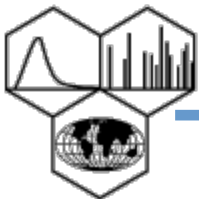


# Report on the virtual congress

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- YS awards (clinical toxicology and TDM):  
Details on the guidelines can be found here  
<https://iatdmct.org/awards/young-scientist-awards.html>
  - **17 abstracts** were eligible for the awards
  - YSC members **independently** scored these abstracts (excepted if COI\*) for the pre-selection based on:
    - Clarity
    - Significance/impact
    - Scientific content/technical challenge
    - Scientific novelty
  - For the pre-selected abstracts, YSC members have listened to the pre-recorded poster **presentations** and **sent questions** to the presenters
  - The presentations and the answers to the questions were, again, evaluated **independently** based on
    - Originality, scientific or clinical importance
    - Degree of scientific/technical content and challenge
    - Knowledge of subject area and ability to respond to questions
    - Quality of the poster, its structure, visual presentation and delivery of oral presentation

\*Exclusion of the YS member for the scoring of abstracts concerned by the COI was effective during the whole process



# Report on the virtual congress

- Best YS poster in TDM
  - Alexandra Degrave, UCLouvain, Brussels, Belgium



*Effect of antibiotics-mediated microbiota depletion on tacrolimus pharmacokinetics in mice model*

- Best YS poster in clinical toxicology
  - Emilia Hoste, UCLouvain, Brussels, Belgium



*Toxicokinetics and muscle-related toxicity of atorvastatin in vitro*



# Proposals for the next congress in Rome

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- YSC symposium
- Joint symposium with the Pharmacometric committee
- A Meet-the-experts session



# Compass contribution

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## Last issue

- Contribution from the 2 YS best poster awardees

## Next issues

- Ongoing reflections on a federative topic
- Announcements for YS activities in Rome...
  - YS Night-out
  - Meet-the-expert session?



## Publications on behalf of the IATDMCT from the YSC in collaboration with other IATDMCT members

On behalf of the IATDMCT (co-authored):

- Märtson AG, Sturkenboom MG, **Stojanova Jana**, **Cattaneo D**, Hope W, Marriott D, Patanwala AE, Peloquin CA, Wicha SG, van der Werf TS, Tängdén T, JA Roberts, **MN Neely**, **JWC Alffenaar**. How to design a study to evaluate therapeutic drug monitoring in infectious diseases?  
*Clinical Microbiology and Infection. 2020 Mar 21*
- Kloosterboer SM, Vierhout D, **Stojanova Jana**, Egberts KM, Gerlach M, Dieleman GC, Hillegers MH, Passe KM, **Gelder TV**, Dierckx B, Koch BC. Psychotropic drug concentrations and clinical outcomes in children and adolescents: a systematic review. *Expert Opinion on Drug Safety. 2020 Jul 2*
- **On the initiative of Florian Lemaitre**, in association with the French Society of Pharmacology, a review co-authored by **Laure Elens**, has been published that proposes guidelines helping to manage DDIs with drugs currently proposed for COVID-19 patients receiving other treatments.  
*Fundam Clin Pharmacol. 2020 Jun 30:10.1111/fcp.12586.*
- In collaboration with **Florian Lemaitre** and with the contribution of other members of the IATDMCT (**Loralie Langman**, **Dennis Hesselink**, **Stein Bergan**, **Jan Moes**, **Mariadelfina Molinaro**, **Raman Venkataramanan**), **Laure Elens** has lead the writing of a review in the TDM journal about potential drug interactions between pharmacological interventions in COVID patients and immunosuppressive drugs.  
*Ther Drug Monit. 2020 Jun;42(3):360-368.*



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# Member Q & A



***Thank you for supporting IATDMCT in 2020!  
See you in Rome in September 2021!***



**IATDMCT 2021**

**19<sup>th</sup> INTERNATIONAL CONGRESS OF THERAPEUTIC  
DRUG MONITORING & CLINICAL TOXICOLOGY**

**“Nobody is average”** **19-22 SEPTEMBER 2021**

**ROME, ITALY**

