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WELCOME

EXECUTIVE COMMITTEE
President: Loralie Langman, USA
Past President: Pierre Wallemacq, Belgium
President Elect: Teun van Gelder, Netherlands
Secretary: Yusuke Tanigawara, Japan
Treasurer: Gwen McMillin, USA

DIRECTORS OF EDUCATION
Merce Brunet, Spain
Katharina Rentsch, Switzerland
Maria Shipkova, Germany

COUNCILLORS
Debbie Marriott, Australia
Markus Meyer, Germany
Franck Saint-Marcoux, France
Christoph Seger, Austria
Year in Review

• TDM Journal
  • Enlisted the services of Editage to provide professional English editing services
    • Improve consistency and quality of the language in the journal.
Year in Review

• Our membership is holding just shy of 600 members
  • you will hear more about this in the Secretary’s report

• The Directors of Education and Scientific Committees and their members have been busy with an amazing number of projects that you will hear about in their individual reports
  • I will mention the following meetings:
    • The IATDMCT 4th Joint EFLM-UEMS congress, Warsaw, Poland
    • XVI Congress of Clinical Biochemistry & IATDMCT Regional Meeting in Kuşadası, Turkey; and the 2016 IATDMCT Asia Pacific Regional Meeting in Guangzhou, China.
Year in Review

• The Communications Committee has been busy with the Compass newsletter and e-news, and the presence on social media

• Lastly is the Young Scientist Committee has been very active and making regular contributions to the Compass and to social media and presentations at meetings.
  • I think this shows that the future of the IATDMCT will be in good hands.
Dear IATDMCT Members,

2013 has been a year to reflect on how far we have come and how far we have to go. We have accomplished so much, and I thank all of you for your support and dedication. I hope you have enjoyed receiving this newsletter and seeing the progress we have made.

Our membership is growing and our impact is expanding. We have held several successful events and have established new partnerships with other organizations. The next phase will involve continuing to develop our vision of a multidisciplinary and multidisciplinary approach to cannabinoid research.

The next IATDMCT meeting will be held in Denver, Colorado, on September 15-18, 2014. We will be holding a workshop on "Cannabinoids in Pain Management" in conjunction with the American Pain Society Annual Meeting. The theme of the workshop will be "Pain Management and the Role of Cannabinoids."

I look forward to seeing you at the meeting and discussing the latest developments in cannabinoid research.

Best regards,

[Signature]

Linda Gomperts
Scientific Director

Medical Cannabis Use and Misuse, Industry and Clinical Toxicology Views

Dr. Alvan D. D’Souza
Institute of Drug Studies and Toxicology, University of Toronto, Canada

On behalf of the Clinical Toxicology and Drug of Misuse Committee.
President-Elect’s Report

Future IATDMCT congresses:
- Kyoto 2017 (update)
- Brisbane 2018 (update)
- Florianopolis 2019
- Banff 2020
- ??? 2021 (2 initiatives from Europe)
Secretary’s Report

Yusuke Tanigawara
Secretary’s Report

• Membership Report
  • Updated IATDMCT Membership Summary
    (As of November 30, 2016)

<table>
<thead>
<tr>
<th>Type</th>
<th>Numbers</th>
<th>%</th>
<th>New</th>
<th>Lapsed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full Member</td>
<td>302</td>
<td>50%</td>
<td>30</td>
<td>38</td>
</tr>
<tr>
<td>Young Scientist</td>
<td>183</td>
<td>30%</td>
<td>68</td>
<td>55</td>
</tr>
<tr>
<td>Junior Member</td>
<td>92</td>
<td>15%</td>
<td>44</td>
<td>68</td>
</tr>
<tr>
<td>Member Award</td>
<td>7</td>
<td>1%</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Retired</td>
<td>20</td>
<td>3%</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>Honorary</td>
<td>6</td>
<td>1%</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>610</strong></td>
<td><strong>100%</strong></td>
<td><strong>144</strong></td>
<td><strong>162</strong></td>
</tr>
</tbody>
</table>
Secretary’s Report

• **Membership Report**
  – 10-year trends in the IATDMCT memberships

![Graph showing membership trends from 2006 to 2016 for Total, Full Member, Young Scientist, and Junior Member categories.](From the IATDMCT Office Database)
Secretary’s Report

• Membership Report
  – Top 10 countries in membership numbers

<table>
<thead>
<tr>
<th>Country</th>
<th>Paid 2017</th>
<th>Paid 2016</th>
<th>Total</th>
<th>Lapsed</th>
</tr>
</thead>
<tbody>
<tr>
<td>USA</td>
<td>27</td>
<td>53</td>
<td>80</td>
<td>17</td>
</tr>
<tr>
<td>Japan</td>
<td>37</td>
<td>33</td>
<td>70</td>
<td>10</td>
</tr>
<tr>
<td>The Netherlands</td>
<td>16</td>
<td>31</td>
<td>47</td>
<td>22</td>
</tr>
<tr>
<td>India</td>
<td>17</td>
<td>26</td>
<td>43</td>
<td>24</td>
</tr>
<tr>
<td>Germany</td>
<td>16</td>
<td>16</td>
<td>32</td>
<td>2</td>
</tr>
<tr>
<td>Canada</td>
<td>10</td>
<td>18</td>
<td>28</td>
<td>3</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>14</td>
<td>13</td>
<td>27</td>
<td>3</td>
</tr>
<tr>
<td>Belgium</td>
<td>11</td>
<td>14</td>
<td>25</td>
<td>7</td>
</tr>
<tr>
<td>Brazil</td>
<td>6</td>
<td>15</td>
<td>21</td>
<td>3</td>
</tr>
<tr>
<td>Switzerland</td>
<td>9</td>
<td>10</td>
<td>19</td>
<td>2</td>
</tr>
</tbody>
</table>
Secretary’s Report

• Membership Report
  – Top 10 countries in new member recruitment

<table>
<thead>
<tr>
<th>Country</th>
<th>New members</th>
</tr>
</thead>
<tbody>
<tr>
<td>India</td>
<td>22</td>
</tr>
<tr>
<td>Brazil</td>
<td>12</td>
</tr>
<tr>
<td>Uzbekistan</td>
<td>8</td>
</tr>
<tr>
<td>China</td>
<td>7</td>
</tr>
<tr>
<td>Egypt</td>
<td>7</td>
</tr>
<tr>
<td>Germany</td>
<td>6</td>
</tr>
<tr>
<td>Italy</td>
<td>6</td>
</tr>
<tr>
<td>The Netherlands</td>
<td>5</td>
</tr>
<tr>
<td>Malaysia</td>
<td>5</td>
</tr>
<tr>
<td>Mexico</td>
<td>5</td>
</tr>
<tr>
<td>Turkey</td>
<td>5</td>
</tr>
</tbody>
</table>
Secretary’s Report

• **Membership summary**
  – The current number of IATDMCT membership is 610, which is similar to the number of 2015 (total 637).
  – The 2017 membership is expected to increase because new members join during the year of the Congress.
  – Remarkable recruitment emerges in new regions particularly India, Brazil, Uzbekistan, China and Egypt. The IATDMCT is growing to a global society.
  – Young/Junior members account for 45% of the total members.
Secretary’s Report

• Retired Membership
  • 30 USD/year (cf. Full member: 120 USD/year)
  • Definition and procedure to apply for the 'retired' membership has been documented.
  • This membership is eligible for people fully retired.
  • A person who is retired from full-time practice and full-time employment.
  • No regular income except pension and interests.
  • A person who was a former Full member.
  • Each applicant must declare that he/she is fully retired.
Member-Get-A-Member Campaign 2016
– The 2016 MGM Campaign began on January 1st and will end on December 31st, 2016.
– The current leader is ???, who successfully recruited ?? new members.
– The winner will be announced on E-news or Compass.
– The top "Recruiter" will receive free registration for the Kyoto Congress 2017.

Member-Get-A-Member Campaign 2017
– The winner gets free registration for the Kyoto Congress.
Secretary’s Report

• Scientific Committees
  • Thank all Scientific Committees for submitting proposals for symposia, plenary and roundtables for the IATDMCT Congress in Kyoto.

<table>
<thead>
<tr>
<th>Scientific Committee</th>
<th>Symposia</th>
<th>Plenary</th>
<th>Roundtables</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Executives/Council Members</td>
<td>1</td>
<td>1</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>2. Alternative Sampling Strategies Committee</td>
<td>2</td>
<td>1</td>
<td>2</td>
<td>5</td>
</tr>
<tr>
<td>3. Anti-Infective Drugs Committee</td>
<td>3</td>
<td>3</td>
<td>2</td>
<td>8</td>
</tr>
<tr>
<td>4. Clinical Toxicology/Drugs of Abuse Committee</td>
<td>6</td>
<td>2</td>
<td>1</td>
<td>9</td>
</tr>
<tr>
<td>5. Immunosuppressive Drugs Committee</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>4</td>
</tr>
<tr>
<td>6. Pharmacogenetics Committee</td>
<td></td>
<td></td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>7. Pharmacometrics Committee</td>
<td>1</td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>8. Standards of Practice Committee</td>
<td>1</td>
<td></td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>9. TDM in Oncology Committee</td>
<td>4</td>
<td>1</td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>10. Young Scientists Committee</td>
<td>1</td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>21</strong></td>
<td><strong>9</strong></td>
<td><strong>8</strong></td>
<td><strong>38</strong></td>
</tr>
</tbody>
</table>
Treasurer’s Report

Gwen McMillin
Highlights

• Current assets: $1,121,607
• Major source of income from the TDM journal royalties
• Annual surplus income has varied from $50,000-$100,000
• Changes in how Congresses are managed has been successful
  • Annual frequency starting 2017
  • Seed money $50,000 per Congress, started for 2015 Congress
  • After event, organizers refund seed money and split profits
  • Site visit by President and President-elect ~1 yr prior to event, started for 2017 Congress
## Overview of Revenue

<table>
<thead>
<tr>
<th></th>
<th>YTD Oct 2016</th>
<th>YTD Dec 2015</th>
<th>YTD Dec 2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Membership Fees</td>
<td>$38,322</td>
<td>$43,924</td>
<td>$34,987</td>
</tr>
<tr>
<td>Journal Royalty</td>
<td>$0</td>
<td>$236,501</td>
<td>$244,391</td>
</tr>
<tr>
<td>Awards Revenue</td>
<td>$3,334</td>
<td>$6,333</td>
<td>$3,333</td>
</tr>
<tr>
<td>Travelling Lectureship Sponsorship</td>
<td>$0</td>
<td>$0</td>
<td>$3,000</td>
</tr>
<tr>
<td>Congress Surplus</td>
<td>$79,457</td>
<td>$0</td>
<td>$11,736</td>
</tr>
<tr>
<td>Investment and Bank Interest</td>
<td>$0</td>
<td>$0</td>
<td>$302</td>
</tr>
<tr>
<td>Sundry Revenue</td>
<td>$0</td>
<td>$0</td>
<td>$115</td>
</tr>
<tr>
<td><strong>TOTAL REVENUE</strong></td>
<td><strong>$121,113</strong></td>
<td><strong>$286,758</strong></td>
<td><strong>$297,864</strong></td>
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</table>
## Overview of Expenses

<table>
<thead>
<tr>
<th>Category</th>
<th>YTD Oct 2016</th>
<th>YTD Dec 2015</th>
<th>YTD Dec 2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Administration</td>
<td>$17,494</td>
<td>$28,892</td>
<td>$29,068</td>
</tr>
<tr>
<td>Regional Meetings</td>
<td>$2,988</td>
<td>$1,453</td>
<td>$14,944</td>
</tr>
<tr>
<td><strong>MEMBERSHIP SERVICES</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Website</td>
<td>$5,500</td>
<td>$5,537</td>
<td>$5,717</td>
</tr>
<tr>
<td>Podcasts</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
</tr>
<tr>
<td>IATDMCT Compass</td>
<td>$16,371</td>
<td>$15,729</td>
<td>$15,612</td>
</tr>
<tr>
<td>Member Recognition</td>
<td>$0</td>
<td>$2,760</td>
<td>$0</td>
</tr>
<tr>
<td>Award Winners</td>
<td>$0</td>
<td>$11,107</td>
<td>$1,629</td>
</tr>
<tr>
<td>International Travel Grant</td>
<td>$0</td>
<td>$2,062</td>
<td>$0</td>
</tr>
<tr>
<td>YS Exchange</td>
<td>$3,375</td>
<td>$2,425</td>
<td>$0</td>
</tr>
<tr>
<td>TDM Editorial Support/Royalty</td>
<td>$66,202</td>
<td>$82,033</td>
<td>$102,139</td>
</tr>
<tr>
<td>TDM &amp; Online Subscriptions Paid</td>
<td>$25,650</td>
<td>$29,450</td>
<td>$30,806</td>
</tr>
<tr>
<td><strong>TOTAL EXPENSES</strong></td>
<td><strong>$160,751</strong></td>
<td><strong>$219,967</strong></td>
<td><strong>$244,077</strong></td>
</tr>
</tbody>
</table>
Investments to make?

• Increased support for TDM Editorial Board
  • Staff transitions
  • Professional editing of manuscripts

• Increased administrative support needed

• Open to proposals for support of activities that are consistent with the mission of our organization
Past President’s Report

Pierre Wallemacq
Past President’s Report

- Nomination for IATDMCT awards must be received by March 31 2017
  - Irving Sunshine award: outstanding contribution to clinical toxicology (Thermo Sc)
  - Charles Pippenger award: outstanding contribution to TDM (Siemens Healthcare)
  - Victor Armstrong Young investigator award (< 40 yr on Feb 2017) (Lippincott Williams & Wilkins)

- Submissions of nominations to IATDMCT business office
  - Together with CV (list of publications) and a letter from the nominator containing an evaluation and appraisal of the nominee for the award. Additional letters of support by members of the Association or other respected scientists are helpful for the Selection Committee

- Presentation of the awards during the opening ceremonies in Kyoto
Directors of Education

Merce Brunet
Hospital Clínic Barcelona, Spain

Katharina Rentsch
University Hospital Basel, Basel, Switzerland

Maria Shipkova
Klinikum-Stuttgart, Stuttgart, Germany
Directors of Education (Report Mercè Brunet)

- Preparation and submission of the 1st Consensus Document for promising biomarkers: *Barcelona Consensus on Biomarker-Based Immunosuppressive Drugs Management in Solid Organ Transplantation*. Ther Drug Monit 2016. **Coordination:** Mercè Brunet and Michael Oellerich, active participation of 15 members of the BWG of Scientific Committee of IDs.

- Coordinator of the **Special Issue named First Consensus Document for promising biomarkers of immunosuppression in clinical transplantation: methods standardization and validation.** This includes 9 single Review Articles covering specific relevant biomarkers, summarized in the 1st Consensus Document, as parts of a Special Issue of *Therapeutic Drug Monitoring* 2016. Guest Editors: Mercè Brunet and Pierre Wallemacq; Editor in Chief: Michael Oellerich. **Coordination:** Mercè Brunet and Pierre Wallemacq

- Coordination of the posts on the IATDMCT website (June & July 2016) of lectures and summaries from the IV Symposium on Biomarkers of Immunosuppression and Clinical Outcome in Transplantation: New Approaches on TDM of Immunosuppressive Drugs. In collaboration with Maria shipkova.

- 15th IATDMCT Congress, Kyoto 2017. Two proposals of the ISDs committee with topics to be included in specific Symposia, such us biomarkers in transplantation and new approaches in TDM, in the scientific program. Coordinators: Dennis Hesselink & Mercè Brunet.


- Scientific Organizing Committee: X Congress of the Spanish Human Genetic Society and Spanish Society of Pharmacogenetics and Pharmacogenomics, Madrid April 2017
Directors of Education (Report Katharina Rentsch)

- Publication of a review article on state of the art use of LC-MS in toxicology (“Knowing the unknown – state of the art of LC-MS in toxicology”, Trends in Analytical Chemistry);
- Publication of an article for Compass 4/16 on the role of LC-MS in the clinical toxicological laboratory;
- Talk at a the Analytica meeting in Munich, Germany on the role of LC-MS in clinical toxicology;
- Talk at the annual meeting of laboratory medicine and clinical chemistry in Salzburg, Austria on LC-MS in clinical toxicology – options and constraints (in collaboration with Dr. Christoph Seger);
- Proposal for an educational roundtable discussion on the safe use of LC-MS in clinical toxicology for the meeting in Kyoto;
- Local activities in Switzerland to attract students for a PhD in clinical toxicology;
- Supervisor of 2 PhD students who are performing their thesis in clinical toxicology;
Directors of Education  (Report Maria Shipkova)

- Invitation letter to the SCs requesting their contribution for the Resources area;
- Start of the development (filling) of the Resources area in February and continuous announcements of new content;
- Accreditations for educational materials (update);
- Coordination of the collaboration with Turkish colleagues regarding the organization of the IATDMCT regional meeting in Turkey in May 2016, recording of the IATDMCT presentations;
- Collaboration with EFLM to record the lectures presented at the IATDMCT symposium during the EFLM/UEMS Congress in September 2016 in Warsaw. The meeting was organized by the ISD Committee and CC member Eberhard Wieland. Reimbursement by IATDMCT;
- Promotion of the Everolimus Consensus Document and the ISDs-SC Recommendations about the Analytics of ISD (both published in March 2016 in *Ther Drug Monit*) at 2 meetings in Germany (Analytica in Munich, and LC-MS/MS meeting in Banz in collaboration with Dr. Christoph Seger).
- 15th IATDMCT Congress, Kyoto 2017. Proposal for a plenary lecture, 2 symposia and a round table (partly in collaboration with the ISDs SC)
Accreditation of IATDMCT Meetings

- Office is looking into accrediting live Congress and podcasts for MDs, PhDs, and DPharms
  - Some progress has been made, for example the office can have podcasts accredited in Canada for CME section 2 credits provided a quiz is given after the podcast
  - CME Category 1 credits for live congress: American Medical Association has mutual recognition agreements with Canada and with European Union of Medical Specialties (UEMS)
  - More work is underway by office staff to determine specific requirements for accreditation in each country – members are encouraged to provide information about their own country’s requirements
Alternative Sampling Strategy Committee

Jan-Willem Alffenaar, PhD, PharmD, Clinical Pharmacologist (Chair)
University Medical Center Groningen
University of Groningen, Groningen, The Netherlands

Christophe Stove, PhD (Vice-Chair)
Laboratory of Toxicology, Department of Bioanalysis, Faculty of Pharmaceutical Sciences, Ghent University, Ghent, Belgium
Committee Membership

- **Current Members**
  - Jan-Willem Alffenaar
  - Christophe Stove
  - Yngve Berqvist
  - Michael Boettcher
  - Begoña Delgado-Charro
  - Pleasant Hooper
  - Brian Keevil
  - Rafael Linden
  - Jan Gerard Maring
  - Roland Meesters

- **New Members**
  - Leo Stolk
  - Birgit Koch
  - Constantinos Pistas
  - Remco Koster
  - Otto Halmingh

- **Past Members**
  - Bert Ooms (retired)
Activities

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

DBS Guideline – Analytical Validation

- Selectivity
- Accuracy
- Precision
- Lower & upper level of limit of quantification
- Calibration curve
- Carry-over
- Dilution integrity
- Matrix effect & recovery
- Internal standard
- Stability
- Incurred samples (partial spot; only for 1, 3 mm)
- Cross validation (difference punch size)
- Hematocrit effect
- Effect of spotted volume
- Effect of anticoagulants
Activities

DBS Guideline – Clinical Validation

- Number of samples
- Number of patients
- Calibration range
- Hematocrit range
- Incurred sample reanalysis
- Contamination
- Correct sampling

- Materials to be collected from the patients
  - capillary DBS
  - venous DBS
  - blood and plasma

- Effect of anticoagulants
Activities

Who are involved:

- Analytical
  - Capiau
  - Stove
  - Linden
  - Pistos
  - Koster
  - Stolk
  - Koch

- Clinical
  - Veenhof
  - Touw
  - Alffenaar
  - Linden
  - Stolk
  - Koch

- Review
  - Keevil
  - Boettcher
  - Bergqvist

Capiau; PhD student of Stove
Veenhof; PhD student of Alffenaar and Touw
Activities

- Presentation of the guideline at IATDMCT Congress in Kyoto Japan.
- Submit to TDM journal for publication
Publications

Compass

- **March edition**: “Implementing Dried Blood Spot sampling in clinical practice” by Veenhof, Alffenaar and Touw.
- **March edition**: “Non-contact hematocrit prediction of dried blood spots” by Capiau, Wilk, Aalders and Stove
- **March edition**: “new sampling strategies in toxicology and TDM” by Stove
- **June edition**: “DBS Analysis” by Berm and Maring
Publications

Compass

- **December edition**: “Accurate plasma concentrations from dried blood spots measurements: the search for the Grail” by Linden, Hahn, Schneider, Pettefi, Andriguetti, Müller, da Silva, Charão and Antunes
Publications

- Textbook chapter
  - “Alternative Sampling Strategies for TDM” (contribution by o.a. Stove and Alffenaar) in “Clinical Challenges in TDM” edited by Clarke & Dasgupta

- Textbook
  - “New sampling strategies in toxicology and TDM” edited and written by Stove

- Peer reviewed papers: > 30
Anti-Infective Committee Report

Michael Neely, MD, MSc, FCP (Chair)
Children’s Hospital Los Angeles
University of Southern California, Los Angeles, USA

Debbie Marriott, MB BS, BSc Med, FRACP, FRCPA, MASM (Vice-Chair)
St. Vincent's Hospital, Darlinghurst, New South Wales, Australia

Jan-Willem Alffenaar, PhD, PharmD (Past Chair)
University Medical Center Groningen (UMCG), Groningen, Netherlands
Committee Membership (confirmed)

- Jan-Willem Alffenaar
- Eliane Billaud
- Roger Brüggemann
- David Burger
- Dario Cattaneo
- Erik Eliasson
- William Hope
- Ken Kasper
- Sandrine Lefeuvré
- Rafael Linden
- Debbie Marriott
- Mariadelfina Molinaro
- Carsten Müller
- Michael Neely
- Charles Peloquin
- Natella Rakhmanina
- Mario Regazzi
- Jason Roberts
- Andreas von Ameln-Mayerhofer
Activities

- TDM of anti-bacterial medications
  - All day symposium “Vancomycin: everything old is new again”, IATDMCT endorsed, St. Vincent’s Hospital, Sydney, Australia, 18 Oct, 2016 (Marriott, Neely)
  - 2.5 day workshop “Population Modelling and Dose Optimization: Pmetrics/BestDose Workshop”, IATDMCT endorsed, University of Queensland, Brisbane, Australia, 13-15 Oct, 2016 (Roberts, Neely, Hope)
Activities

- TDM of anti-tuberculous medications
  - European Advanced Course in Clinical Tuberculosis, Helsinki, Finland, 19-21 Sept 2016 (Alffenaar)
  - Addressing and understanding drug-resistant tuberculosis, Stockholm, Sweden, 22 Sept 2016 (Alffenaar)
Activities

- TDM of anti-tuberculous medications (cont’d)
  - New Advancement of TB Control and Prevention, Chengdu, China 22 Nov 2016 (Alffenaar)
  - TDM of tuberculosis member survey, IATDMCT, Nov-Dec, 2016 (Alffenaar)
Activities

- TDM of anti-fungal medications
  - Northern Antifungal Symposium, Groningen, the Netherlands, 16 Nov 2016 (Alffenaar)

- 2016 IATDMCT Asia & Pacific Regional Meeting
  - Guangzhou, China August 15-17th (co-instigated by Marriott and Tanigawara, both speakers)

- The 6th Annual National Conference on Therapeutic Drug Monitoring
  - Nanjing, China September 22-24 (Marriott)
Publications

- **Textbook**
  - “Individualized Drug Therapy – Basic Techniques, Relevant Software, and Clinical Applications” (edited by Roger Jelliffe and Michael Neely), published Dec 1, 2016

- **Peer reviewed manuscripts related to TDM and/or CT of antimicrobials**: >300

- **Compass articles**: 4
Clinical Toxicology/Drugs of Abuse Committee

Chair
Professor Vanessa Steenkamp
University of Pretoria, South Africa

Vice Chair
Professor Manuela Neuman
University of Toronto, Canada
Background/Purpose of the Committee

• To promote and advance the discipline of Clinical Toxicology within the Association by:
  • Developing relevant practice guidelines, when appropriate, in particular fields of clinical toxicology and drugs of abuse testing;
  • Publishing articles and other professional notes in the field of clinical toxicology and drugs of abuse in the Newsletter and on the web page;
  • Assist in the holding of specialist workshops and symposia at the biennial Association meetings;
  • Developing links and partnerships with other relevant professional societies; and
  • Attracting new members to the Association with interests in clinical toxicology and drugs of abuse.
Dr Neuman on behalf of the Committee promoted the discipline by developing partnerships with other professional societies and holding symposia including:

1. Canadian Society for Clinical Chemistry (Annual Meeting, Edmonton, Alberta, Canada) – Organizer & Presenter - Symposium: *Cannabis*


3. Canadian Association of Pharmaceutical Sciences, (Richmond, B.C., Canada) – Presenter - Symposium: *Cannabis*

4. European and International Society for the Biological Research on Alcoholism (Annual and Biannual Meeting, Berlin, Germany) Organizer & Presenter - Symposium: *Alcoholic and Non-Alcoholic Hepatitis*
Activities since last meeting

• Contributions to Compass 2016

  • Neuman: Alcohol and liver damage.
  • Sturkenboom/Touw: An unusual case of hypoglycaemia.
  • Huestis/Jortani/Verstraete: Report on the 16th National Turkish Clinical Biochemistry Congress, Turkey.
  • Neuwman: Medical Cannabis use and misuse, industry and clinical toxicology views.
  • Rentsch: The role of LC-MS in the clinical toxicology laboratory.
Current Activities

Preparing symposia, workshops, roundtables for 15th International Congress of Therapeutic Drug Monitoring & Clinical Toxicology, Kyoto, Japan

• Medical Cannabis: The role and liability of TDMCT - M. Neuman & V. Steenkamp
• Alcohol interactions – M. Neuman
• Alternative matrices for DOA testing – V. Steenkamp
• Drug-herb interactions and its interferences in TDM – A. Dasgupta
• High-resolution mass spectrometry - Where do we stand today in clinical and forensic toxicology ? – H. Maurer
• Neonatal drug testing on meconium – G. McMillin
Members - other

- **Dr Frank Peters**, Institute of Forensic Medicine, Friedrich Schiller University of Jena
- **Dr Gwendolyn McMillin**, Associated Regional and University Pathologists Laboratories, Salt Lake City
- **Dr Manuela Neuman**, University of Toronto, Canada
- **Dr Amanda Jenkins**, University of Massachusetts, MA
- **Dr Pascal Kintz**, Laboratoire ChemTox, France
- **Professor Alain Verstraete**, Ghent University Hospital, Ghent
- **Professor Daan Touw**, University Medical Center Groningen, Netherlands
- **Professor Dr Olaf Drummer**, Monash University, Australia
- **Professor Kamisha Johnson-Davis**, University of Utah, Salt Lake City
Members - other

- **Professor Dr. Marilyn A. Huestis**, NIDA, Baltimore
- **Professor Saeed A. Jortani**, Department of Pathology and Laboratory Medicine, University of Louisville
- **Professor Dr. Tai C. Kwong**, Department of Pathology, University of Rochester Medical Center
- **Professor Dr. Hans H. Maurer**, Institute of Pharmacology and Toxicology, University of Saarland
- **Professor Dr. Katharina Rentsch**, Universitätsspital Basel, Klinische Chemie, Basel
- **Professor Dr. Alain Verstraete**, Ghent University hospital, Gent
- **Dr. John F. Wilson**, Cardiff Bioanalytical Services Ltd, Wales, UK
- **Professor Dr. Steven Wong**, Wake Forest University School of Medicine, Winston-Salem NC
- **Professor Loralie Langman**, Toxicology and Drug Monitoring Laboratory, Mayo Clinic, Rochester
Members - other

- **Professor Shusen Sun**, Western New England University, Springfield, MA
- **Professor Eric Franssen**, Clinical Pharmacy, amsterdam, Netherlands
- **Dr Marieke Sturkenboom**, University Medical Center Groningen, The Netherlands

New Member

- **Professor Constantines Pistos**, West Chester University, PA, USA
TDM in Oncology

Chair
Yusuke Tanigawara
Keio University School of Medicine, Tokyo, Japan

Vice Chair
William Clarke
John Hopkins School of Medicine, Baltimore, USA
Committee Members (2015 - 2017)

- Chair: Yusuke Tanigawara  
  (Keio University School of Medicine, Japan)
- Vice-Chair: William Clarke  
  (Johns Hopkins University School of Medicine, USA)
- Jennifer Martin (Australia), Ron Mathijssen (Netherlands)
- Markus Joerger (Switzerland), Edward Chu (USA)
- Erik van Maarseveen (Netherlands), Etienne Chatelut (France)
- Jan Beumer (USA), Yuichi Ando (Japan)
- Sal Salamone (USA), Alan Fotoohi (Sweden)
Scope of the Oncology Committee

- TDM for cancer treatment in hematology and oncology,
- Chemotherapy, molecular targeting therapy, hormonal therapy and immunotherapy,
- Topics relating to drug concentrations in blood, pharmacogenomics and other biomarkers for the benefit of precision medicine.
Activities of the Oncology Committee during 2016

• TDM Guidance documents
  – 5-Fluorouracil (5-FU) in preparation
    1) Is there significant inter-individual variability in 5-FU plasma concentrations?
    2) Is there a narrow therapeutic window for 5-FU?
    3) Is there a documented relationship between drug exposure (measured via plasma concentration) and clinical outcomes?
    4) Is there evidence that TDM reduces variability in 5-FU exposure?
    5) Is there evidence that TDM improves clinical outcome?
    6) Is there a dose-adaptation strategy for 5-FU based on TDM measurements?
  – We hope to present the completed guideline at the 2017 IATDMCT Congress in Kyoto.
Activities of the Oncology Committee during 2016

• TDM Guidance documents
  – Imatinib in preparation
  – We hope to present a concept paper for the TDM of imatinib at the IATDMCT Congress in Kyoto.

• Proposals of 4 Symposia and 1 Plenary for the Kyoto Congress

• Contributed to Compass, December 2016
Pharmacometrics
Pharmacometrics Committee

• Activity

• F. Saint-Marcoux (Chair)

• On behalf of the PM committee of the IATDMCT:
  – Organization of a symposium at the National Congress of the French Society of Pharmacology 2016: «Modelling and clinical pharmacology»
  – Duphat Congress, Dubai, March 2016
    • Workshops
    • Lectures
  – National Congress of Nephropharmacology, Stockholm, Sept 2016
    • Lecture
Pharmacometrics Committee

- **Other events on behalf of the Committee:**
  - Dr. JB Woillard: PK Workshop. At Sains Medecine University (Kubang Kerian, Kelantan, Malaysia, March 2016)

- **Compass activity**
  - Associate editor (F. Saint-Marcoux)
  - Multiple contributions from the members

- **Kyoto 2017**
  - Proposal for a workshop
  - Roundtables
Standards of Practice

Phillip Morgan
King’s College Hospital, London UK

Simon Handley
King’s College Hospital, London UK
Standards of Practice Committee

• IATDMCT 2015
  – 6 out of 8 proposals for symposia, roundtables or workshops accepted
  – New chair and vice-chair

• Articles contributed to Compass
  – Ion suppression - Ross Norris
  – Prevention & diagnosis of ADRs using pharmacogenomic testing - Manuela Neuman (March 2017)
Standards of Practice Committee

• In progress
  – IATDMCT 2017 proposals
  – Resource for IATDMCT website – reference list

• Future plans
  – Further contributions to the Resources section & Compass
# Standards of Practice Committee

- **Members**

<table>
<thead>
<tr>
<th>Chair</th>
<th>Morgan Phillip E.</th>
<th>London, UK</th>
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<tbody>
<tr>
<td>Vice-chair</td>
<td>Handley Simon</td>
<td>London, UK</td>
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</table>

## Members

<table>
<thead>
<tr>
<th>Surname</th>
<th>Forename</th>
<th>Location</th>
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<tbody>
<tr>
<td>Chusney</td>
<td>Gary</td>
<td>London, UK</td>
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<tr>
<td>Collier</td>
<td>Christine</td>
<td>Kingston, ON, Canada</td>
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<tr>
<td>Couchman</td>
<td>Lewis</td>
<td>London, UK</td>
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<td>Grundmann</td>
<td>Milan</td>
<td>Ostrava, Czech Republic</td>
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<tr>
<td>Hiemke</td>
<td>Christoph</td>
<td>Mainz, Germany</td>
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<tr>
<td>Kwong</td>
<td>Tai</td>
<td>Rochester, NY, USA</td>
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<td>LeGatt</td>
<td>Don</td>
<td>Edmonton, AB, Canada</td>
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<td>Marquet</td>
<td>Pierre</td>
<td>Limoges, France</td>
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<tr>
<td>Martin</td>
<td>Jennifer</td>
<td>Waratah, Australia</td>
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<td>McMullin</td>
<td>Matthew</td>
<td>William Grove, PA, USA</td>
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<td>Neuman</td>
<td>Manuela</td>
<td>Toronto, ON, Canada</td>
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<td>Norris</td>
<td>Ross</td>
<td>Sydney, NSW, Australia</td>
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<td>Spencer</td>
<td>Edgar P.</td>
<td>Surrey, UK</td>
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<td>Steenkamp</td>
<td>Vanessa</td>
<td>Pretoria, South Africa</td>
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<tr>
<td>Touw</td>
<td>Daan</td>
<td>The Netherlands</td>
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Young Scientist Committee (YSC)

Markus R. Meyer (Chair)
Saarland University

Reinier van Hest (Vice-Chair)
AMC
University of Amsterdam
Report of the activities 2015-2016

 Quarterly contributions to the Compass (YS Corner)

- December 2015 “IATDMCT young scientist committee (YSC) report 2015” by Markus R. Meyer and Reinier van Hest
- March 2016 “Meet The new young scientist committee members…” by Sarah Wille
- June 2016 “Lethal toxicity of 5-fluorouracil: The urgent need for generalization of dihydropyrimidine deshydrogenase deficiency screening” by Fabienne Thomas
- September 2016 “High-resolution mass spectrometry – Where do we stand today in clinical and forensic toxicology? A report of the GTFCh Symposium at the Analytica Conference, Munich, May, 2016” by Markus R. Meyer
- December 2016 “Being Down Under at TIAFT 2016 - Australia brings together. A report from the TIAFT meeting in Brisbane, Australia” by Achim Caspar and Julian Michely
New YSC Members recruited to cover more regions

- Indy Sandaradura, University of New South Wales, Australia
- Takehito Yamamoto, University of Tokyo, Japan
- Lewis Couchman, King’s College Hospital London, UK
- Nicolas Picard, University Hospital Limoges, France
- Sumith K Mathew, Christian Medical College Vellore, India
IATDMCT YSC Activities 2015-2016

- Revised YS website (still in progress)
  - New "Science" section with links to abstract of YSC members
  - Updated "YSC members" section

- YSC members as part of the TDM editorial board
  - Reinier van Hest
  - Nicolas Picard
IATDMCT YSC Activities 2015-2016

Proposal of joined symposium in Kyoto 2017
- IATDMCT YS and JSTDM YS
Communications Committee (CC)

Denise A McKeown (Chair)
Glasgow, UK

Maria Shipkova (Vice-Chair)
Stuttgart, Germany

communications@iatdmct.org

Paula Schaiquevich
Buenos Aires, Argentina

Edgar Spencer
England, UK

Frank Saint-Marcoux
Limoges, France

Eberhard Weiland
Stuttgart, Germany

IATDMCT Office
Kingston, On, Canada

Nicolas Picard
Limoges, France

Lewis Couchman
London, UK

Olga Milan Lopez
Barcelona, Spain

Ryuji Kato
Osaka, Japan

Ofelia Noceti
Uruguay

Jana Stojanova
Chile, South America

Violette Gijsen
Rotterdam, The Netherlands

Alain Verstraete
Gent, Belgium

Sarah Wille
Brussels, Belgium

Markus Meyer
Heidelberg, Germany
New Compass team have done a fantastic job during 2016!
IATDMCT Social Media

- **@IATDMCT on Twitter (2808 tweets, 626 followers)**
  Purpose: real time information on the latest topics
  Managers: Olga Milan, Jana Stojanova, Ryuji Kato, Nicolas Picard, Lewis Couchman

- **IATDMCT Group on LinkedIn (749 members)**
  Purpose: interactive scientific discussion
  Managers: Ofelia Noceti, Maria Shipkova, Ryuji Kato

- **IATDMCT Blog (monthly posts)**
  Purpose: on-line space to communicate to members and non-members
  Posts: interviews with IATDMCT members, news highlights
  Author: Jana Stojanova, Editors: Denise McKeown & Maria Shipkova

- **IATDMCT Facebook (successful first year)**
  Purpose: informal platform to communicate scientific news
  Manager: Violette Gijsen

Thank you to all the new teams!
IATDMCT Activities Continued

- **IATDMCT E-News (monthly)**
  Purpose: Latest topics & news communicated via email to members
  Topics: Office news, Congress updates, advertisements etc
  Co-Editors: Denise A McKeown & Maria Shipkova

- **LWW TDM Journal Adverts (every issue)**
  Purpose: free advertising space to promote IATDMCT
  Adverts: Congress 2017, social media, website resources, scientific committees
  Managers: Denise A McKeown & Maria Shipkova

Thanks to Sue Burns at the Office for her tremendous support & excellent designs!
IATDMCT Calendar - Please Post Your Events

https://www.iatdmct.org/events/events-calendar/month.calendar/2016/12/10/-_.html
IATDMCT Website - Resources Area

Thank you to:

- Maria Shipkova - tremendous amount of work obtaining excellent material
- Members/Speakers for providing material (webinars, presentations articles etc)
- IATDMCT Office for populating the material on the website & for their guidance
- Eberhard Weiland & the Office for researching possible accreditation of our e-materials
  - will hand over now to Eberhard for an update on this
TDM Journal Report - North America

Manuscripts submitted:

2016: 44*
2015: 63
2014: 48
2013: 52
2012: 84
* as of December 1

North American Editorial Office

- Original Articles: 19
- Short Communications: 4
- Letter to the Editor: 1
- Review Articles: 17
- Grand round Case Report: 3

Manuscripts submitted:

2016: 44*
2015: 63
2014: 48
2013: 52
2012: 84
* as of December 1
Acceptance Rates in 2016 (% of all manuscripts submitted)

- 26%: accepted
- 27%: rejected
- 39%: still pending
- 8%: not reviewed for various reasons (e.g. withdrawn)

Top 5 Countries of Origin in 2016

- USA: 18
- FRANCE: 7
- BRAZIL: 4
- BELGIUM: 4
- NETHERLANDS: 3
TDM Journal Report- North America

Turnaround Times:
- From submission to e-print: 16.5 weeks
- From acceptance to print: 27.0 weeks

North American Backlog after Issue 38.6:
- 3 manuscripts
2016
European Office
Editorial Report

Prof. Dr. med Dr. h.c. Michael Oellerich
FACB, FAMM, FFPath (RCPI), FRCPath
Editor-in-Chief

Prof. Philip N. Patsalos, PhD, FRCPath
Associate Editor

Hannah Hempstead
Managing Editor Europe
Therapeutic Drug Monitoring
All submitted manuscripts in 2016 by Country of Origin

76% processed at the European Office
TDM Journal Report

European Office Update

• Impact Factor: 2015 - 2.094
  2014 - 2.376
  2013 - 1.926

• Manuscript Inflow: 2016 - 129 papers (as of November 23, 2016, estimation for 2016: ~140 papers)
  2015 - 126 papers
  2014 - 151 papers
  2013 - 140 papers
TDM Journal Report – European cont’d

- In 2016, 129 manuscripts were submitted for review.*
  - 34% were accepted
  - 44% were rejected (7% rapid rejection)
  - 22% are still pending *as of November 23, 2016

- The turnaround times are:
  - The time from submission to published ahead of print: 19 weeks (ranging from 7 – 36 weeks)
  - The time from acceptance to published ahead of print: 5 weeks (ranging from 1 – 17 weeks)
  - The time from submission to print: 29 weeks (2015: 40 weeks) (ranging from 16 – 50 weeks)
  - The time from acceptance to print: 13 weeks (2015: 21 weeks) (ranging from 4 – 18 weeks)
Altmetrics

Altmetrics is a measure of online conversations around research to give measurement of impact and reach, quantifying the online attention to an article at non-traditional channels.

Top TDM Articles in the last 12 Months

1. Focal cytokines as predictive markers of the risk of allergic rejection. Therapeutic Drug Monitoring
2. Barriers to Continuous on Bioclinical Model Immunosuppressive Drugs Management in Solid Organ Transplantation. Therapeutic Drug Monitoring
3. The toxicity of new psychoactive substances (synthetic cannabinoids and piperidylexanes). Therapeutic Drug Monitoring
4. Pharmacokinetic and pharmacodynamic evaluation of a new immunological medical formulation of riluzole (Rupees) in healthy volunteers. Therapeutic Drug Monitoring
5. Subtherapeutic Perinatal Exposure and Treatment Outcomes in Patients With Invasive Fungal Disease. Therapeutic Drug Monitoring
6. Evaluation of vancomycin use in Late-Onset Neonatal Sepsis Using the Area Under the Concentration-Time Curve to the Minimum Inhibitory Concentration =4x05 Target. Therapeutic Drug Monitoring
8. Determination of colistin and colistimethane levels in human plasma and urine by high-performance liquid chromatography-tandem mass spectrometry. Therapeutic Drug Monitoring
9. The effect of different antimicrobial antibiotics (ciprofloxacin, imipenem, telithromycin and meropenem) on several and concentrations. Therapeutic Drug Monitoring
10. Pharmacokinetics and Long-term safety and tolerability of everolimus in renal transplant recipients converted from cyclosporine. Therapeutic Drug Monitoring
11. Pharmacokinetics and Tolerance of Everolimus in Renal Transplant Recipients Converted From Cyclosporine. Therapeutic Drug Monitoring
12. Effect of different antimicrobial antibiotics (ciprofloxacin, imipenem, telithromycin and meropenem) on several and concentrations. Therapeutic Drug Monitoring
TDM Journal Report - Current Strategic Activities

Administrative
■ Bylaws
■ Consolidation of the European and North American Offices effective January 1, 2018

Business Development and Marketing
■ Social media and internet strategy

Bylaws and written plans of the above will be circulated for review and comment by the Executive Committee before Kyoto meeting.

Scope of Journal
■ Extension of the scope to include “Precision Drug Therapy”

This and supporting initiatives (reviews, solicitation of original manuscripts, “focus issues”) to attract more attention in personalized medicine and biomarker communities will be discussed with the Editorial Board in Kyoto.
http://www.iatdmct2017.jp/
Abstract Guidelines

Abstract submission for IATDMCT Congress 2017

- Abstracts must be written in English.
- Abstracts will be accepted for poster or oral presentation or can be rejected.
- Abstracts must be submitted electronically using the Online Submission Form at the bottom of this page.

General Requirements:

The Scientific Program Committee invites the submission of abstracts on original work. Abstracts can be submitted for consideration for a poster presentation. Some may be assigned as an oral presentation by the Committee. If you prefer a poster presentation only, please inform on the submission form. All successful abstracts will be published in the Congress App and will be published on the IATDMCT Congress website. Presenting authors must register before 31 May 2017.

Abstracts may be submitted on topics related to therapeutic drug monitoring and clinical toxicology. To be considered, each abstract must follow the required format outlined below. Additionally, each abstract must include sufficient data so that the reader can understand the study design, methods, results, and any conclusions that should be drawn from the study.

Non-members who wish to join IATDMCT or JSTDM can apply new membership. Please visit the following URLs for details.

IATDMCT: https://www.iatdmct.org/member_join
JSTDM: http://jstdm.seimi.jp/about/hid/meyake.html

Critical Dates:

- Abstract Submission Open: 18 October 2016
- Abstract Submission Deadline: 28 February 2017
- Presenter Notification: 30 April 2017
- Deadline Registration: 31 May 2017
Registration

Deadline for Early Bird Registration: June 30, 2017
Deadline for Advanced Registration: August 31, 2017

* After September 1, on-line registration is not available and please register on-site.
* All Deadlines are shown in Japan Standard Time +9 JST (UTC+9) and the registration closes at 23:59 JST (UTC+9).

Congress Registration Fee (Currency: Japanese Yen (JPY))

<table>
<thead>
<tr>
<th>Category</th>
<th>IATDMCT/JSTDM regular member</th>
<th>IATDMCT/JSTDM Young Scientist / Junior member*1</th>
<th>Student*2</th>
<th>Non-member*3</th>
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<tr>
<td>Early Bird Registration</td>
<td>JPY50,000</td>
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<td>Advanced Registration</td>
<td>JPY70,000</td>
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<td>(Until August 31, 2017)</td>
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<tr>
<td>On-site Registration</td>
<td>JPY50,000</td>
<td>JPY40,000</td>
<td>JPY40,000</td>
<td>JPY100,000</td>
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*1 For registration as Young Scientists member (31-40 years of age) or Junior member (30 years of age and under), participant must be registered as a Young Scientist member or Junior member of IATDMCT or JSTDM. Young Scientist/Junior Member registration includes the same activity as the regular registration.

*2 Student must be full time of under graduate or post graduate student, and need to submit additional 2 documents at the time of online registration as described below. So please prepare them before registration.
1) Student ID card with a photo.
2) Student registration certificate issued by the university written in English.

Student presentation grant (presenters only):
Students who wish to apply for the student presentation grant must meet the following requirements.
Venue/Access

How to Access Kyoto

The nearest airports to come to Kyoto are Kansai International Airport (KIX) and Osaka Itami Airport (ITM). Osaka Itami is a domestic airport. Visitors can easily reach Kyoto by bus or train transportation from these two airports. Although KIX is an international airport, large hub airports in Japan are Tokyo-Narita Airport (NRT) and Tokyo-Haneda Airport (HND). Many people may take a flight for Tokyo from their home country, and then take a domestic connection to KIX or ITM. The flight between Tokyo and KIX/ITM takes only 1 hour. Some visitors may stay in Tokyo or the other places for extra days just before or after the Congress. In such a case, high-speed train called “Shinkansen” offers a comfortable journey to come to Kyoto.
How to Access Kyoto and the Congress venue

The nearest airports to come to Kyoto are Kansai International Airport (KIX) and Osaka Itami Airport (ITM). Bus or train transportation is easy to come to Kyoto.
President’s Thank you

It is my honour to serve you as President.

Thank you to all who have made 2016 such a success and I wish you all a healthy and prosperous 2017!