

## Report of the Drug Metabolism and Drug Transport Section (DMTS) to the Executive Committee of IUPHAR

### *Activities in 2019*

- **IUPHAR Symposium (symposium 13) at 27 February 2019 with the IUPHAR Drug Metabolism and Drug Transport Section at 4th GERMAN PHARM-TOX SUMMIT, Stuttgart, Germany, February 25-28, 2019):** The organizer of the symposium was Professor Matthias Schwab and the symposium addressed topics covering Drug Metabolism and Drug Transport and pharmacogenomics issues. Chairs of the symposium were the IUPHAR president Prof. I. Cascorbi (Kiel, Germany) and the past-chair of the Drug metabolism and Drug transport section Prof. A. K. Daly (Newcastle, UK) who was also speaker. Additional invited speakers included Prof. C. Rodríguez-Antona (Madrid, Spain) and Dr. Ruwen Böhm (Kiel, Germany).
- **Following the successful IUTOX symposium held at the WCP2018 congress in Kyoto a joint symposium of the IUPHAR subsections *Pharmacogenetics and Pharmacogenomics* (chair Prof. Andrew Somogyi) and *Drug Metabolism and Drug Transport* (chair Prof Matthias Schwab) was presented at ICTXV2019 (co-hosted by SOT) at the Hawaii Convention Center, Honolulu, Hawaii, USA, July 15–18, 2019.** The title of the stand-alone symposium “Precision Medicine and ADME-Targets” and was chaired by Prof. Andrew Somogyi (Adelaide, Australia) who was also speaker at the symposium. Additional invited speakers included Assoc.-Prof. Nuala Helsby (University of Auckland, New Zealand), Professor Bhagwat Prasad (University of Washington, USA) and Prof. Deanna Kroetz (San Francisco, USA).
- Assoc.-Prof. Nuala Helsby was involved in the update of the IUPHAR/BPS Guide to Pharmacology (Cytochrome P450, version 2019.4, in the IUPHAR/BPS Guide to Pharmacology Database)
- **The Chair (Prof. Matthias Schwab) and past-chair (Prof. Ann Daly) of the IUPHAR Drug Metabolism and Drug Transport Section are organizers of the International Conference *Personalized and Precision Medicine PEMED 2020, February 19-21, Munich, Germany*** (<https://premc.org/conferences/pemed-personalized-precision-medicine/>). The meeting covers issues related to diagnostics, bioinformatics, drug discovery, and therapies including ADME and pharmacogenomics with the aim of translating precision medicine into direct improvements in health care.
- **Publication strategy for the section proposed.** This includes widespread dissemination of all content presented at symposia organised or co-organised by the section by electronic means, continuing to contribute to NC-IUPHAR in areas relevant to the section and to future NC-IUPHAR publications in those areas as well as providing occasional updates on the section's activities to Pharmacology International.

### *Proposed Activities for 2020*

- Continue to develop proposals for contributions to meetings including national European meetings and the WCP 2022 - 19th World Congress of Basic & Clinical Pharmacology, Glasgow, Scotland.
- Contribution to the activities to establish a Global Pharmacogenomics Network with strong involvement of ADME topics.

### *Fundraising efforts*

We will make further attempts in relation to planned activities once these are finalised.

### *Funds in the bank*

Balance is currently USD 10,815.81.

**Professor Matthias Schwab**

**Dr. Margarete Fischer-Bosch Institute of Clinical Pharmacology, Stuttgart, Germany**

**2th November 2019**