

Special Issue

Drug-Drug Interactions and Therapeutic Drug Monitoring

Message from the Guest Editor

Therapeutic drug monitoring (TDM) is the clinical practice of drug quantification at designated intervals in patients' blood samples, thereby improving the individual benefit/risk balance and avoiding the adverse drug reactions due to drug-drug interactions. The process of TDM is based on the assumption of a definable relationship between the pharmacokinetics (PK) and the pharmacodynamics (PD) of the drug. Drugs' PK and/or PD can also be affected by demographic and biological co-variates. Hence, TDM aims to evaluate all these parameters to improve clinical outcomes. New statistical approaches and tools can be used for treatment individualization. The aim of this Special Issue is to highlight current research and tools leading to the development of TDM and treatment individualization.

Guest Editor

Dr. Chadi Abbbara

Pharmacology-Toxicology Department, Angers University Hospital, Angers, France

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Pharmaceuticals
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
pharmaceuticals@mdpi.com

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Editor-in-Chief

Prof. Dr. Amélia Pilar Rauter

Departamento de Química e Bioquímica (DQB) e Centro de Química Estrutural (CQE), Institute of Molecular Sciences, Faculdade de Ciências, Universidade de Lisboa, Lisboa, Portugal

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