UNIVERSITÀ DI TORINO

ID

VP093_STF

Visiting Professor Program
Academic Year 2024/2025

TEACHING COMMITMENT: 18 hours

COURSE TITLE
Optimizing Medicines Use Through Data-Driven Pharmaceutical Care: Focus on Adherence to Medications Measurements Through Analysis of Electronic Healhcare Data and on the Role of Pharmacogenetics on Drug Safety and Efficacy

TEACHING PERIOD
2nd term

SCIENTIFIC AREA
Medicinal Chemistry

LANGUAGE USED TO TEACH
English

COURSE SUMMARY
The Visiting Professor contribution should provide fundamentals for analysis of database obtained from drug dispensing data, for prescriptions analysis, as well as a view of valid methods of adherence measurements, appropriate data analyses, and complete and accurate reporting of results. In the mean time the visiting professor should introduce hospital pharmacy students to the importance of pharmacogenetics as emerging aspects of personalized medicine with the potential to increase efficacy and safety of pharmacotherapy.

LEARNING OBJECTIVES
(1) Description of the process of adherence to medications and of its component, and of the way these apply to different research questions and study designs;

(2) Descriptions of different measurement options available;

(3) Examples of calculation of adherence to medications from electronic healhcare data using tools for statistical computing;

(4) Personalization of pharmacotherapy choices for patients based on pharmacogenetics, to prevent medication ineffectiveness, poor tolerability or adverse drug reactions.

IT labs for dataset analysis.

OTHER ACTIVITIES BESIDES THE COURSE

Seminars to Hospital Pharmacists Students.

VISITING PROFESSOR PROFILE

The candidate to this position should have a research profile focussed on analysis of drug prescription/dispensing databases and on evaluation of adherence to medication, as well as on the development and validation of statistical models to analyse adherence data. The candidate should as well include in research interests the analysis of pharmacogenertics applied to the context of drug therapy.

Experience in teaching and presenting research methods on drug use is as well very appreciated.

CONTACT REFERENT

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