



UNIVERSITÀ DEGLI STUDI DI TORINO

ID

TIC03\_DIP\_BIOTEC

## Visiting Professor Program Academic year 2019/2020

**DEPARTMENT OF MOLECULAR BIOTECHNOLOGY AND HEALTH SCIENCES**  
**TEACHING COMMITMENT: 12 hours**

### COURSE TITLE

IN VITRO DIAGNOSTICS: PROTEOMICS, INTERACTOMICS AND METABOLOMICS

### TEACHING PERIOD

2nd term

### SCIENTIFIC AREA

Biology

### LANGUAGE USED TO TEACH

English

The Degree Course is entirely taught in English

### COURSE SUMMARY

Teach the basis for performing metabolomic experiment in cancer metabolism background

### LEARNING OBJECTIVES

Design properly metabolomic experiment

Analyze OMICs data

Assess the crosstalk between metabolic rewiring and biological function

### TUTORSHIP ACTIVITIES

Paper discussion and experimental design

### OTHER ACTIVITIES BESIDES THE COURSE

PhD seminar and PhD Mentoring

### **VISITING PROFESSOR PROFILE**

We are looking for an expert in the field of Mass-Spectrometry Metabolomics, with a particular focus in the field of cancer metabolism, synthetic lethality, and functional characterization of oncometabolites. A scientist with a strong track record in the above-mentioned fields, as proved by high impact-factor papers is requested.

### **CONTACT PERSON AT THE DEPARTMENT**

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