

## **Scuola Superiore di Catania**

Corso Specialistico

a.a. 2018-2019

### **Non-communicable disease risk: from basic research models to risk assessment and clinical epigenetic**

The course, entitled "Non-communicable disease risk: from basic research models to risk assessment and clinical epigenetic", is focused on current knowledge and future perspectives of clinical, genomic, and epigenomic signatures in non-communicable disease risk. It covers methodologies from basic research models to risk assessment and clinical epigenetics. The course aims to provide a wealth of theoretical concepts, as well as practical examples, on the translational approach from pre-clinical studies to patient bedside and lifelong health. The program includes the following topics:

- Cardiovascular health: from global epidemiology to individual risk prediction
- Epigenetics in health and disease: from mice models to patient bedside
- The epigenetic signatures of aging.