



iSAS
international
interdisciplinary
intersectoral

School of Advanced Studies



Generata con AI

PhD course **Chemical and Pharmaceutical Sciences and Biotechnology**

Chemistry and AI: ²⁰²⁵

high-throughput and machine learning approaches for the discovery of functional species

April, 11 9-13 "Sala Convegni" of the Scuola Superiore
Carlo Urbani

AI-Powered Chemistry

April, 24 15-17 ChIP

**Machine Learning and Data Science.
Mathematical Background**

May, 9 14-17 ChIP

**Introduction to Python.
Python and Libraries for ML**

May, 15 14-18 ChIP

**Unsupervised Learning (Part 1)
Supervised Learning**

May, 16 14-18 ChIP

**Unsupervised Learning (Part 2)
Introduction to Neural Network**

May, 22 14-19 ChIP

Neural Network and Deep Learning

May, 23 14-19 ChIP

**Bioinformatics applications.
Prediction of chemical-physical properties
of molecules**

May, 30 15-19 ChIP

**Quantitative structure activity relation ship
and Ligand-target interaction simulation**

Total 30 h

Teachers Michele Loreti, Michela Quadrini, Diego Dal Ben
Responsible for the Activity Claudio Pettinari

Remote connection will be possible at the teachers' webex rooms



HR EXCELLENCE IN RESEARCH

