



PhD in Biology

Course in Bioinformatics 2019

Room -1D20 (Lab. 3 Informatics) & BIO3, Department of Biology, via Cintia MSA, Napoli

Eugenio Notomista Dept of Biology - UNINA

- Feb 11 14,00-16,00 **BIO3**: Protein structure visualization and analysis (theory)
- Feb 12 14,00-18,00: Protein structure visualization and analysis (practice)

Vincenza Colonna IGB - CNR

- Feb 15 10,00-18,00: R for Reproducible Scientific Analysis

Dario Antonini Dept of Biology - UNINA

- Feb 19 14,00-18,00: Identification of direct regulatory targets of a transcription factor: integrative analysis of RNA-seq and ChIP-seq data

Bruno Hay Mele SZN "A. Dohrn"

- Feb 22 10,00-14,00: Teaching to machines that learn: a primer on artificial intelligence techniques for biologists

Marco Salvemini Dept of Biology - UNINA

- Mar 4 14,00-18,00: Basic LINUX and BASH programming for biologists: from SSH connection to a server to NGS data download from public databases
- Mar 5 10,00-14,00: The TRINITY suite for RNA-seq *de novo* assembly and analysis: from raw data managing and assembly to DE expression analysis

Course organizers: Caterina Missero & Serena Aceto - Dept of Biology - UNINA