

Table of contents

Monday 24 July 2017	1
---------------------------	---

The CODATA-RDA Research Data Science Applied workshops on Extreme sources of data, Bioinformatics and IoT/Big-Data Analytics | (smr 3178)

Monday 24 July 2017

Bioinformatics - Adriatico Guest House - Informatics Laboratory (09:30-18:00)

Abstract: In this module, we'll explore various techniques used in Medical Genetics to find genomic variations responsible for complex and Mendelian traits. We'll start with association analysis in complex traits using genotyping data in thousands of individuals and will conclude with the analysis of Exome sequences in families with a Mendelian Pathology. For each technique, we'll illustrate the correlated biological and statistical problems, the rationale and potential pitfalls. In the afternoon, all the students will apply the techniques using hand-on tutorials.

time	title	presenter
09:30	Workshop Introduction	BORTOLUSSI, Luca
09:45	Finding a needle in a haystack finding pathological mutations in the human genome	D'ADAMO, Pio
11:00	Coffee break	
11:30	Finding a needle in a haystack finding pathological mutations in the human genome	D'ADAMO, Pio
13:00	Lunch break	
14:00	Lab Session: Finding a needle in a haystack finding pathological mutations in the human genome	D'ADAMO, Pio
15:30	Coffee break	
16:00	Lab Session: Finding a needle in a haystack finding pathological mutations in the human genome	D'ADAMO, Pio