

## Detailed version

	Day 1 (8 April), Luis	Day 2 (9 April), Luis	Day 3 (10 April), Leticia	Day 4 (11 April), Tim, all
<b>theme</b>	essentials	libraries & workflows	bioinformatics	statistics and machine learning
<b>morning block</b> 9.30 - 12.30	<ul style="list-style-type: none"> <li>working with python notebooks</li> <li>computational thinking</li> <li>basic notions of python</li> <li>flow control</li> </ul>	<ul style="list-style-type: none"> <li>overview of basic libraries</li> <li>working with libraries and managing them</li> <li>workflow</li> </ul>	Other libraries and practical examples; pandas, numpy, seaborn, and matplotlib	<ul style="list-style-type: none"> <li>statistics in python</li> <li>Xarray, working with multidimensional data</li> <li>introduction to ML</li> </ul>
<b>12.30 - 13.30</b>	(( ( break ) ))	(( ( break ) ))	(( ( break ) ))	(( ( break ) ))
<b>afternoon block</b> 13.00 - 16.00	<ul style="list-style-type: none"> <li>data structures</li> <li>functions</li> </ul>	introduction to pandas and numpy	<ul style="list-style-type: none"> <li>Working with our data</li> <li>Biostatistics, statistical modeling</li> </ul>	Introduction machine learning ----- How to go from here?
<b>16.00 - 17.00</b>	exercises	exercises	exercises	Q&A, closing & drinks
<b>17:00-.....</b>				Burger & Beer

## Note to all attendants

Attendants that want to use their own laptops during the workshop, are kindly requested to install the Anaconda distribution of Python, specifically version 3.7. The version number is important, so please double check. Anaconda is free to download and is available on most platforms. You can get it for free here: <https://www.anaconda.com/distribution/#download-section>

During morning and afternoon blocks we will have free coffee for all participants. The coffee will be served out of the room. No drinks are allow inside.

Lunch will be served at the 3<sup>rd</sup> floor.

Last day after 17:00 they might kick us out of the department, so for those who want to keep talking and have time we propose to go for a burger/beer near by

Teachers: Luis Rodil-Fernandez (8<sup>th</sup> and 9<sup>th</sup> and 11<sup>th</sup> afternoon), Tim H. Mulder (11<sup>th</sup>) and Leticia G. Leon (10<sup>th</sup> and 11<sup>th</sup> afternoon)