

Workshop

“Basic Notions in Biostatistics”

Imparted by Dr. Miguel Peláez

(Senior Data Scientist at Tecnatom & Executive Director at Clubes de Ciencia España)

Wednesday, March 20th, 2019

Main Lecture Hall (CIB)

9:30-10:10h Introduction

What is biostatistics?

Why and when to use statistics in biology or chemistry or science in general?

Statistics descriptors

10:10-10:50h Distributions

Uniform distribution

Gaussian distribution

Bimodal distribution

10:50-11:30h Statistical Test to Confirm Hypothesis

Chi square test

Fisher test

T-student Test

11:30-12:00h Break

12:00-12:40h Experimental Design

Sampling Techniques

Further considerations and workshop wrap-up

12:40-13:10h Connection to Artificial Intelligence

Applications in biology

13:30-14:00h Assignment (for the MCIB-III master students only)

**Free admission until complete seats.
Registration required by email to mcfa@cib.csic.es**