







# Workshop "Basic Notions in Biostatistics"

## Imparted by Dr. Miguel Peláez

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

# Wednesday, March 20<sup>th</sup>, 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

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