

**GBI-LNMA 2024 course:  
Image analysis and data reuse through image repositories**

Organized by Global BioImaging & LNMA (Mexico)

10-14 June 2024  
Cuernavaca, Mexico

**Day 1: Monday, 10th of June**

Morning session #1: Registration & Introduction to the course

*TBD*

Morning session #2: Introduction to digital images

*Stefania Marcotti (King's College London)*

*Helpers: Rocco D'Antuono (Francis Crick Institute)*

Afternoon session #1: Using ImageJ/FIJI via a graphical user interface (GUI)

*Trainer: Stefania Marcotti (King's College London)*

*Helpers: Rocco D'Antuono (Francis Crick Institute), Christopher Wood  
(National Autonomous University of Mexico)*

Afternoon session #2: Participants are split into (thematic) groups (4-5 participants per group)

*Everyone*

**Day 2: Tuesday, 11th of June**

Morning session #1: Introduction to ImageJ macro language

*Stefania Marcotti (King's College London)*

*Helper: Rocco D'Antuono (Francis Crick Institute)*

Morning session #2: ImageJ macro language (continued)

*Stefania Marcotti (King's College London)*

*Helper: Rocco D'Antuono (Francis Crick Institute)*

Afternoon session #1: Invited scientific lecture focused on image analysis

*TBD*

Afternoon session #2: Work in thematic groups (4-5 participants per group)

*Everyone*

## Day 3: Wednesday, 12th of June

Morning session #1: Introduction to Python programming (Session #1)

*Trainer: Sebastian Gonzalez Tirado*

*Helpers: Rocco D'Antuono (Francis Crick Institute), Stefania Marcotti (King's College London), Adan Guerrero & Julian Mejia Morales (National Autonomous University of Mexico)*

Morning session #2: Python programming (Session #1 continued)

*Trainer: Sebastian Gonzalez Tirado*

*Helpers: Rocco D'Antuono (Francis Crick Institute), Stefania Marcotti (King's College London), Adan Guerrero & Julian Mejia Morales (National Autonomous University of Mexico)*

Afternoon session #1: Overview of FAIR data principles & BioImage Archive image data repository

*Matther Hartley (European Bioinformatics Institute)*

Afternoon session #2: Work in thematic groups (4-5 participants per group)

*Everyone*

## Day 4: Thursday, 13th of June

Morning session #1: Introduction to Python programming (Session #2)

*Trainer: Sebastian Gonzalez Tirado*

*Helpers: Rocco D'Antuono (Francis Crick Institute), Stefania Marcotti (King's College London), Adan Guerrero & Julian Mejia Morales (National Autonomous University of Mexico)*

Morning session #2: Python programming (Session #2 continued)

*Trainer: Sebastian Gonzalez Tirado*

*Helpers: Rocco D'Antuono (Francis Crick Institute), Stefania Marcotti (King's College London), Adan Guerrero & Julian Mejia Morales (National Autonomous University of Mexico)*

Afternoon session: BioImage Archive image data repository workshop

*Aybuke Kupcu Yoldas (European Bioinformatics Institute)*

## Day 5: Friday, 14th of June

Morning session #1: Napari viewer

*Trainer: Rocco D'Antuono (Francis Crick Institute)*

*Helpers: Adan Guerrero & Julian Mejia Morales (National Autonomous University of Mexico)*

Morning session #2: Napari plugins

*Trainer: Rocco D'Antuono (Francis Crick Institute)*

*Helpers: Adan Guerrero & Julian Mejia Morales (National Autonomous University of Mexico)*

*Afternoon session #1: Napari superres & Zelda plugins*

*Rocco D'Antuono (Francis Crick Institute) & Julian Mejia Morales (National Autonomous University of Mexico)*

*Afternoon session #2: Presentations from thematic groups (4-5 participants per group)*

*Everyone*