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

*Aybuke Kupcu Yoldas (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