



PROPUESTA WORKSHOP JORNADAS DE FORMACIÓN CIBERES 2021

TÍTULO
Efficient computational tools for 3D-medical Imaging in Pulmonary Hypertension
PREGUNTA/S A LAS QUE PRETENDE DAR RESPUESTA EL TALLER
<ul style="list-style-type: none">- 3D-Imaging tasks (Windowing, Reconstruction, Transformations and Augmentation)- 3D-image Segmentation using Machine Learning- How to reduce the overhead in Image diagnosis
OBJETIVOS ESPECÍFICOS DEL TALLER
How to reduce the overhead in medical image diagnosis by incorporating AI and cloud based frameworks?
PROGRAMA PRELIMINAR
<ul style="list-style-type: none">– 15-30 minutes demonstrations of the compute infrastructure required- 30 minutes demonstration of 3D medical Imaging task– 30-60 minutes demonstration of Handling 4D-Flow MRI images.– 30-60 minutes: “Introduction to Machine learning basics”– 60 minutes: Demonstration of machine learning segmentaion with real MRI data.
DURACIÓN PREVISTA
4 hours
PONENTES/DOCENTES Y AFILIACIONES
Rahul Kumar, PhD CICbiomaGUNE & BCAM
REQUISITOS TÉCNICOS O CONOCIMIENTOS PREVIOS IMPRESCINDIBLES (SI FUERA EL CASO)
Basic Python programming Skills, Basic Undergraduate Mathematics (Matrices, Linear Algebra). The instructor will try to make the course comprehensible in best way possible.