# Deep Learning - MAI

## Autonomous lab - Transfer Learning

Dario Garcia Gasulla
*dario.garcia@bsc.es*

# The rules

❖ **Time:** 3 weeks to delivery (start now!)

❖ Done in **couples** (if possible)

❖ **Evaluation:** 30 minute interview (Why did you do *'X'*? Why not *'Y'*?)

■ Individual evaluation, non-transferable questions

■ Bring the material you used to take your decisions to support your work (loss/acc plots, histograms, conf. mat., etc.)

# The task

- ❖ **MAMe**: Museum Art Medium dataset
  - ■ Trained model for 1st lab is your baseline

- ❖ Fine-tuning
  - ■ Beat your model training from a pre-trained one

- ❖ Feature extraction
  - ■ See how close you can get with feature extraction methodologies
  - ■ See the impact of pre-trained and/or fine-tuned models

**Dario Garcia-Gasulla** (BSC)

*dario.garcia@bsc.es*

HP AI

HIGH PERFORMANCE
ARTIFICIAL INTELLIGENCE