

Mechanobiology Morning

February 19th, 2024 - PCB Auditorium

9:15 - 9:30 Welcome

9:30 - 10:10 **Kevin Chalut** (Altos Labs)
"Extracellular matrix drives tissue regeneration"

10:10 - 10:25 **Lucas Cunha** (UPF)
"Mechanics and cell behaviours underlying the epithelialization of the otic placode."

10:25 - 10:40 **Waleed Mirza** (EMBL Barcelona)
"Modelling the active self organisation of stress fibres in spread cells"

10:40 - 11:10 Coffee Break

11:10 - 11:50 **María García-Parajo** (ICFO)
"Insights on the organization and differential activation of integrins inside adhesions"

11:50 - 12:05 **Fabio Pezzano** (CRG)
"Regulation of cell fitness under mechanical stress by nuclear ATP"

12:05 - 12:20 **Marija Matejic** (IBEC)
"Mechanics of cell extrusion in open-lumen intestinal organoids"

12:20 - 13:00 **Ewa Paluch** (Cambridge University)
"The biomechanics of cell shape control"

Groups from the following Universities and research institutes join the initiative:



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