



**Kick-off meeting, October 4<sup>th</sup> 2019**

**DySCoVir - Associated Unit  
Institute for Integrative Systems Biology (I<sup>2</sup>SysBio)  
Centre de Recerca Matemàtica (CRM)**

**10.00-10.20:** *Presentation of the AU by the Directors of the two Institutions*

José L. García López (director I<sup>2</sup>SysBio)

Lluís Alsedà (director CRM)

**10.20-10.50:** I<sup>2</sup>SysBio –Systems Biology of Molecular Interactions and Regulations Program

*Title: Redes ómicas para identificar etapas clave en la producción de compuestos fitofarmacéuticos*

Tomás Matus

**10.50-11.20:** CRM – Computational and Mathematical Biology Group

*Title: Spatial modelling of viral quasispecies: bifurcations and dynamics*

Josep Sardanyés (Nonlinear Dynamics and Evolution (NoDE) Lab)

**11.20-11.50:** Coffee Break

**11.50-12.20:** I<sup>2</sup>SysBio –Pathogens Systems Biology Program

*Title: Modelling possible determinants of cellular Allee effects in viruses*

Iván Andreu (Sanjuán's group)

**12.20-12.50:** CRM – Computational and Mathematical Biology

*Title: Multi-scale modeling in systems biology*

Tomás Alarcón (Cancer Modeling Lab)

**12.50-13.20:** I<sup>2</sup>SysBio –Evolutionary Systems Biology of Symbionts Program

*Title: Evolutionary and systems biology of animal and human microbiome*

Rosario Gil

**13.20-13.50:** I<sup>2</sup>SysBio –Theoretical and Computational Biology Program

*Title: Theory, Bioinformatics and Computing (TBC) at I<sup>2</sup>SysBio. Three short stories*

Carlos Peña

**13.50-14.00:** I<sup>2</sup>SysBio –Theoretical and Computational Biology Program

*Title: New computational resources at the I<sup>2</sup>SysBio*

Wladimiro Díaz

**14:00 – 14:30** Discussion and open questions about the AU