# Day 1 – Monday - January 31st

## ***Registration and testing***

08h00-09h00

## ***Departure to Hotel***

09h00-09h30

## ***Hotel Registration***

12h00-13h00

## ***Lunch***

13h00-14h30

## ***Outdoor PhotoPaper***

14h30-16h30

## ***Opening session***

16h30-17h00

## ***Key-Note Lecture***

17h00-18h00 Rita Mateus

## ***Coffee Break***

18h00-18h30

***Short Talks (1-2)***

18h30 – 18h45 1. Catarina Carmo Lodestar, a protein with a dual role in mitotic

transcription inactivation and sister chromatid resolution

18h45 – 19h00 2. Marco Louro Unraveling the population dynamics of

centrosome amplification

19h00 – 19h15 3. Temitope Etibor Biophysics and composition of Influenza A viral

inclusion

19h15 – 19h30 4. Hugo Barreto Gut mélange à trois: fluctuating selection

modulated by microbiota, host immune system,

and  antibiotics

***Break***

19h00-19h30

***Auto-test***

19h30-20h00

***Dinner***

20h00-22h00

***Activity I***

22h00-23h00

# Day 2 – Tuesday - 1st of February

***Breakfast***

8h00–9h30

***Key-Note Talk***

09h30 – 10h30 Marco Vignuzzi

## ***Coffee Break***

10h30–11h00

***PhD Talks (1-4)***

11h00 – 11h20 1. Patrícia Duarte Evaluating the switch in cellular competence

during head to trunk transition

11h20 – 11h40 2. Mónica Costa SnRK1 dual function in lateral root development

11h40 – 12h00 3. Ana Milas Oocyte polarity in Drosophila is actively

maintained by posterior follicle cells

12h00 – 12h20 4. Christian Diwo How membrane proteins encode their fate to

reach the membrane – the determinants of

membrane protein translocation route selection at the ER

## ***Lunch***

12h30-14h30

***PhD Talks (5 – 8)***

14h30 – 14h50 5. Massimo Amicone Mutation rate of SARS-CoV-2 and emergence of

mutators during experimental evolution.

14h50 – 15h10 6. André Barros Role of Olfactory Receptors in Infection – The

case of Olfr56

15h10 – 15h30 7. Temitope Wilson A role of Heme in Immunity against Malaria

15h50 – 16h10 8. Carmen Santana MISSING ABSTRACT

## ***Break***

16h30-17h00

***General Meeting***

17h00 – 17h15 IGC Direction

17h15 – 17h30 IBB Direction

17h30 – 18h00 PhD Delegates

## ***Coffee Break***

18h00-18h30

***Poster Session***

18h30 - 1. Camila Mariano Manipulation of the Centrosome-Cilia complex

by Viruses

2. Catarina Pedro How mitotic transcription inactivation can

modulate cell identity and cell fate

3. Daniela Brás Mitochondrial related processes that protect

the host against IAV infection

4. Victor Mello FLUorescent tools to understand the assembly

of FLU segmented genome

5. Diogo Athayde Engineering effective diagnostics tools for Zika

virus infections: Biophysical and structural

characterization of engineering proteins

against Zika Virus Envelope (E) antigen

- 19h00 6. Joana Saraiva Collective Cell Migration Mechanical fine-tuning

of chromatin accessibility triggers neural crest collective cell migration

19h00 - 7. Romana Yanez Investigating A Role In Translation For Plant SR

Proteins Involved In Stress Responses.

8. Lucrezia Ferme Investigating the influence of

pseudostratification for neuroepithelial

development

9. Mariana Maia Gil Investigating the influence of nuclear and tissue

properties in pseudostratified neuroepithelial development

10. Diana Reis-Barata The interplay between TPS proteins and the

SnRK1 kinase in the regulation of plant growth

and development

- 19h30 11. Afonso Mendes Unveiling the temporal and spatial hierarchy of

HIV-1 viral assembly and its restriction by host innate immunity

## ***Auto-test***

19h30–20h

## ***Dinner + Mingling***

20h00–22h00

## ***Activity II***

22h00–23h00

# Day 3 – Wednesday - 2nd of February

## ***Breakfast***

8h00-09h30

***Round Table I***

09h30 – 10h30 Everyone The Future of Science

## ***Coffee Break***

10h30-11h00

***PhD Talks (9-12)***

11h00 – 11h20 9. Ana Eugénio Wolbachia effects on Transposable Element

mobilization

11h20 – 11h40 10. Abeer Heskol Characterization of the Notch cistrome in

vertebrate neurogenesis

11h40 – 12h00 11. Renato Sousa Towards an understanding of parallel learning

systems during decisions in a dynamic value

landscape

12h00 – 12h20 12. Carla Henriques Functional specialization of social and associal

learnings in Drosophila melanogaster

## ***Lunch***

12h30-14h30

***Short Talks (3 – 6)***

14h30 – 14h45 3. Temitope Etibor Biophysics and composition of Influenza A viral

inclusion

14h45 – 15h00 4. Hugo Barreto

15h00 – 15h15 5. Tânia Paulo Identifying mechanisms underlying adaptation

against oral bacterial infection in D.

melanogaster.

15h15 – 15h30 6. Camila Ramos IL-7r is not required at the DN3e in steady state

Thymopoiesis

## ***Break***

15h30-16h00

***Round Table II***

16h00 – 16h30 IGC Alumni From PhD to Postdoc

## ***Break***

16h30-17h

***Round Table III***

17h00 – 18h00 Everyone The Future of Scientists

## ***Coffee Break***

18h00-18h30

***Poster Session***

18h30 - 12. Francisco Paupério A computational framework for the evolution

of metabolic networks in the gut environment

13. Mariana Natalino Role of nutrient-sensing during the evolutionary

adaptation to DNA replication stress

14. Ravi Vishwakarma Understanding the genetic consequences of

habitat loss, fragmentation across species through spatial modelling

15. Ana Sofia Mendes Carbon Monoxide Releasing Molecules against

Pathogens

16. Kátia de Jesus To Stress…To Resist? The Power Of Stress

Responses In Sepsis

- 19h00 17. Miguel Landum Non-canonical activation of the Drosophila Toll

pathway by viral infection

19h00 - 18. Priscilla Akyaw Identifying mechanisms of disease tolerance to

immunopathology in Drosophila melanogaster

19. Carina Galhofa Characterization of the DPO quorum sensing

system in Bacteroides thetaiotaomicron

20. Catarina Candeias A targeted approach to control Streptococcus

pneumoniae infection with minimum impact on the microbiota

21. Joana Batista The haem biosynthesis pathway of

Campylobacter jejuni

22. Khira Amara A hierarchical cascade of protein-protein cross-

linking governs assembly of the Bacillus  subtilis

inner coat hub SafA

- 19h30 23. Maria Montoya The impact of quorum sensing manipulation

during recovery from diet induced dysbiosis.

***Auto-test***

19h30-20h00

## ***Dinner + Mingling***

20h00–22h00

## ***Closing session + prizes***

22h-22h30

## ***Party***

22h30

# Day 4 – Thursday - 3rd of February

## ***Breakfast***

8h-9h30

## ***Check-out***

9h30–10h30

## ***Departure***

10h30–11h

## ***Arriving at Lisbon***

13h30-14h