I Short_Meeting

Cracking the Code: Modern Tools to Understand Genetic Pathways

Program – 29th May 2026

Time		
14h30	**Welcome message**	President of the SPG Professor Raquel Chaves
14h35	**Invited Conference** **"CDKL5 Deficiency Disorder: when the X chromosome gets messed up…"**	Professor Leonor Cancela
15h	**Communications** (5 minutes + 3 minutes of questions) *1st Section*	
	Vitamin D rescues viability in iron overload stress, but not mineralization in ATCD5 cells.	Lorenzo Chiodini
	Therapeutic effect of an antiepileptic compound in an in vitro model of CDKL5 deficiency disorder.	Giovanni Carmo
	Identification of new molecular stress biomarkers by comparative analysis of the gene expression profile under multiple stressors in gilthead seabream (*Sparus aurata*).	João Gonçalves-Martins
	CDKL2-Mediated functional rescue in a Zebrafish model of CDKL5 deficiency disorder.	Kelly Sandoval
	Functional characterization of Matrix Gla protein (MGP) domains and its role on mineralization.	Linda Geraldo
	Modeling ankylosing spondylitis in zebrafish: CRISPR/Cas9-mediated erap1 deficiency.	Max Domingues
	Transposable elements in immune-related genes: a possible answer for bats immune tolerance	Ricardo Campo
16h	Coffee break	
16h15	**Communications** (5 minutes + 3 minutes of questions) *2nd Section*	

	Transcriptomic analysis of smoking-related cancers for the validation of common mRNA signatures and regulators.	Rita Sousa
	Comparative analysis of Sortilin 1 for non-human animal model application to investigate its role in human pathologies.	Luis Conceição
	Comparative genomics and cytogenetics of Human Satellite 1B in primates.	Carlos Vilaverde
	Towards physiological infection models for studying RNA Regulation of Listeria monocytogenes virulence.	Mariana Cunha
	One enzyme, big impact: RNAse R shapes Pneumococcal biofilm and colony phenotype.	Mariana Mateus
	Expanding the Pseudomonas putida toolbox: Discovery of stress-responsive ncRNAs as key post-transcription regulators.	Clara Avila
	Revised genome-wide characterisation of HDAC and HAT gene families in grapevine (*Vitis vinifera* L.).	Maria Pães
	Grapevine phytaspases during downy mildew interactions.	Federico Marcolino
17h20	**Closing Section**	President of the SPG Professor Raquel Chaves

Microsoft Teams

Participar: https://teams.microsoft.com/meet/39120003549186?p=zkhFeTmFQPX0sTaUdr

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