

Cancer mechanisms and therapy - Chair: Carla Vanessa SARABIA VEGA

- 09.00-10.30 **Lawrence Banks:** Message from the Director-General
Giannino Del Sal: TED Talk for admin tumors as mechanodisease (12'+3')
Francesca Simoncello: Unraveling neutrophils impact on the microenvironment of lung tumors (12'+3')
Ambra Cappelletto: Small but powerful: a new player in the fight against cancer (12'+3')
Supriya Chakraborty: B Cell Receptor Signals cooperate with combined TP53/CDKN2A/CDKN2B genetic lesions during transformation of chronic lymphocytic leukemia into aggressive lymphoma (12'+3')
Arushi Vats: Implications of novel post translational modifications of the HPV E6 Oncoprotein (12'+3')

10.30-11.00 **Coffee Break**

Disease mechanisms and therapies - Chair: Francesca PARON

- 14.00-15.30 **Serena Zacchigna:** TED talk for admin: Playing with genes, from discovery to cure (12'+3')
Michela Lisjak: SaCRISPR/Cas9-mediated in vivo genome targeting into the albumin locus as a potential therapy for haemophilia B (12'+3')
Tea Kocijan: Defective tip-to-stalk cell signaling and extracellular matrix contribute to poor angiogenic potential of the adult heart (12'+3')
Francesca Bortolotti: *In vivo* functional selection of the secretome for protective factors against cardiac ischemia and chemotherapy-induced damage (12'+3')
Giulia Romano: AAV9-Exon Specific U1 therapeutic approach rescues the severe Familial Dysautonomia mouse model (12'+3')
Sara Cappelli: Defining the role of hnRNP proteins in enhancing TDP-43 patholog (12'+3')

15.30- 16.00 **Coffee Break**

Morning session

Plant pathogens and human pathogens - Chair: Samson MUSONERIMANA

- 11.00-12.30 **Felix Moronta:** Regulatory adjustments to harness the potential of RNA interference approaches in agriculture (12'+3')
Rebeca Fuzinato Dall'Agnol: Strains4Plants; microbes as plant probiotics (12'+3')
Lais Nascimento: Role of the integrated stress response (SR) innate immunity to Flaviviruses (12'+3')
Guido Papa: CRISPR Everywhere: the first genome editing of a double-stranded RNA virus (12'+3')

12.30 - 14.00 **Lunch**

ICGEB Twenty-fifth
Annual Symposium



Afternoon session

Not just Covid... - Chair: Giulio CIUCCI

- 16.00-17.45 **Giulio Ciucci:** Mechanical loading regulates cardiomyocyte proliferation in engineered heart tissues (12'+3')
Alessandro Marcello: Ted talk for admin: TO COVID OR NOT TO COVID, THIS IS THE PROBLEM (12'+3')
Edoardo Schneider: Persistence of viral RNA, widespread thrombosis and abnormal cellular syncytia are hallmarks of COVID-19 lung pathology (12'+3')
Rafaela Bonotto: Antivirals for SARS-CoV- identified at ICGEB (12'+3')
Sreejith Rajasekharan: Isolation and characterisation of SARS-CoV-2 at ICGEB (12'+3')
Natasa Skoko: BDU - The state of play

18.30

Wine&Cheese



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