



## **ncRNA 2021 List of Posters**

**Wednesday 21 July 2021 - 13h15-14h00 CEST | 19h15-20h00 CST Asia**

**Session: Mechanism of ncRNA processing and function**

First name	Last name	Id	Title
Emma	Layton	sciforum-044298	Regulatory RNAs: A Universal Language for Inter-Domain Communication
Fien	Gysens	sciforum-044855	Implementing a high-throughput arrayed CRISPRi screening platform to identify functional lncRNAs
Marta	Podralska	sciforum-045109	Identification of irradiation-induced ATM-dependent lncRNAs
Giulia	Buonaiuto	sciforum-045115	From mouse to human: the nuclear lncRNA Charme as a putative candidate for clinical application?
Juan	Unfried	sciforum-045120	lncRNA NIHCOLE promotes DNA damage repair in hepatocellular carcinoma cells
Guang	Xu	sciforum-045148	lncRNA SLERT controls phase separation of FC/DFCs to facilitate Pol I transcription
Kaliya	Georgieva	sciforum-045168	The role of C1QTNF1-AS1 lncRNA in regulation of cell division
Panagiotis	Chouvardas	sciforum-045169	Systematic discovery and characterization of cis-regulatory long non-coding RNAs
Xu-Kai	Ma	sciforum-045196	Altered processing of lncRNAs in stem cells contributes to non-conserved functions
Giulia	Basile	sciforum-045717	Exploring the molecular mechanism of lncRNAs that promote non-small cell lung cancer
Irem	Avcilar Kucukgoze	sciforum-045789	Investigating molecular mechanism of protein arginylation
Itziar	Gonzalez-Moro	sciforum-045806	A T1D-associated lncRNA modulates the type I interferon signalling and antiviral response in pancreatic & cells
Evgenia	Ntini	sciforum-045816	Distinctive features of long non-coding RNA chromatin (dis-)association
Norbert	Polacek	sciforum-045818	Human vault RNA promotes cell proliferation, tumorigenesis and chemoresistance through the lysosome in hepatocellular carcinoma

**Session: Structure and bioinformatics of ncRNAs**

First name	Last name	Id	Title
Carolina	Mathias	sciforum-045144	Exploring immune related lncRNAs in breast cancer molecular subtypes

Barry	Digby	sciforum-045675	nf-core/circrna: a nextflow workflow for the quantification, microRNA target prediction and differential expression analysis of circular RNAs in RNA-Seq data
Moritz	Schäfer	sciforum-045702	Integrative modeling allows a global and precise identification of functional miRNA target genes
Hugo A.	Guillen-Ramirez	sciforum-045753	ElementaLdb: a user-friendly webserver for exploring and retrieving lncRNA elements
Alexander	Morozov	sciforum-045766	Single cell RNAseq-based transcriptome profiling of mesenchymal stromal cell (MSC) subpopulations with different responses to profibrotic stimuli
Panagiotis	Chouvardas	sciforum-045779	ConnectOR: Sensitive and practical discovery of long non-coding RNA orthologues
Kengo	Sato	sciforum-045804	RNA secondary structure prediction using deep learning with thermodynamic integration
Sunandini	Ramnarayanan	sciforum-045809	Perturbation-agnostic designs for CRISPR pooled screening libraries targeting lncRNAs
Monika	Kwiatkowska	sciforum-045811	Making zebrafish the dark horse in long non-coding RNA research
Sílvia	Carbonell Sala	sciforum-045821	One lncRNA gene catalog to rule them all: expanding GENCODE with the CapTrap-Capture Long Seq method in human and mouse
Dominik	Meise	sciforum-045823	Integrative target prioritisation pipeline (TPP) of CRISPR-Cas pooled screens for improved detection of cancer lncRNA
Ioannis	Kavakiotis	sciforum-045889	DIANA-miTED: A microRNA Tissue Expression Database

### Session: ncRNA therapeutics

First name	Last name	Id	Title
Siran	Zhu	sciforum-044685	RNA pull-down-Confocal Nanoscanning (RP-CONA) detects quercetin as pri-miR-7/HuR interaction inhibitor that decreases $\alpha$ -synuclein levels
Parisa	Aghagolzadeh	sciforum-045039	Single-cell RNA analysis identifies a novel conserved long non-coding RNAs controlling cardiac fibrosis and remodeling
Francesco Paolo	Ruberto	sciforum-045151	Clipper, a novel long non-coding RNA regulating cardiomyocyte metabolism and proliferation
Beatriz	Llamusi	sciforum-045263	Development of an anti-miR-based treatment against Myotonic Dystrophy disease
Simona	Brillante	sciforum-045728	miR-181a/b modulation as potential therapeutic approach for AMD treatment
Shifa	Jebari-Benslaiman	sciforum-045775	Functionalization of reconstituted HDL for theranostic in cardiovascular disease
Megan	O'Malley	sciforum-045802	Identification of lncRNAs as potential novel therapeutic targets in Triple-Negative Breast Cancer

### Session: Biotechnology of ncRNA

First name	Last name	Id	Title
Andrew	Hutchins	sciforum-044468	RNA N6-Methyladenosine manipulating via CRISPR/Cas13-associated RNA Epigenetic Editor
Timofei	Zatsepin	sciforum-045212	A novel strategy of pre-mRNA splicing correction by site-specific pre-miRNA recruitment
Liangzhong	Yang	sciforum-045471	Dynamic imaging of RNA in living cells by CRISPR-Cas13 systems
Saleh	Musleh	sciforum-045833	Long-non-coding LncRNA Identification using novel machine learning-based pipeline purely based on sequence information

**Thursday 22 July 2021 - 14h30-15h15 CEST | 20h30-21h15 CST Asia**

### Session: ncRNAs in development and diseases

First name	Last name	Id	Title
Ari	Meerson	sciforum-039200	microRNAs link obesity and cancer
Carlos	Camilleri	sciforum-044578	Regeneration of Drosophila wing imaginal discs is impaired upon the loss of lncRNAs
Álvaro	Andrades	sciforum-044902	Analysis of long non-coding RNA driver mutations in lung adenocarcinoma
Keisuke	Hitachi	sciforum-045013	Identification and characterization of novel long non-coding RNAs associated with multiple skeletal muscle atrophy
Francesca Maria	Stefanizzi	sciforum-045055	Circular RNAs to predict outcome after cardiac arrest
Matilde	Calderoni	sciforum-045068	45A ncRNA expression impairs microtubules dynamics affecting drug response in neuroblastoma
Marios	Lange	sciforum-045096	Investigating the oncogenic role of the lncRNA Gracile2 in gastric cancer
Marta	Kasprzyk	sciforum-045116	Functional dissection of IGH enhancers and eRNAs in B-cell lymphoma
Bowen	Zhang	sciforum-045125	7SK acts as an anti-tumor factor in tongue squamous cell carcinoma
Alina	Naveed	sciforum-045136	Investigating the cellular function of the NEAT1_1 lncRNA in castration-resistant prostate cancer
Erika	Perreira Zambaldi	sciforum-045139	Highlighting the RIDL (repeated insertion of long non-coding RNAs) domains derived from transposable elements in Cancer
Branislav	Kura	sciforum-045155	The impact of molecular hydrogen application during heart transplantation: expression of selected miRNAs
Ifeolutembi	Fashina	sciforum-045162	Exploring the role of MicroRNA variation in Multiple Sclerosis pathology
Rodiola	Begolli	sciforum-045164	Identification of lncRNAs that are regulated by lineage-survival transcription factors in gastric cancer
Rodolfo	Chavez-Dominguez	sciforum-045172	LncRNA expression profile in cisplatin-tolerant lung adenocarcinoma cell lines

Maina	Bitar	sciforum-045191	Assessing the Landscape of Long Non-coding Transcripts in Breast Cell Populations
Roberta	Esposito	sciforum-045215	Cancer cells refine their fitness via function-altering mutations in long non-coding RNAs
Eleni	Birli	sciforum-045216	A lncRNA-NF90 interaction confers chemoresistance in liver cancer
Olga	Burenina	sciforum-045260	Characterization of novel cancer-associated long non-coding RNA and its probable murine homolog
Marthe	Cehade	sciforum-045561	The long non-coding RNA Psoriasis Susceptibility-Related RNA Gene Induced by Stress (PRINS) is a biomarker for Invasive Breast Cancer
Julia	Latowska	sciforum-045570	Expression pattern of circRNA in primary and recurrent glioblastoma
Ariadna	Bargiela	sciforum-045676	Contribution of Musashi-2 to muscle dysfunction in myotonic dystrophy by upregulating autophagy through miR-7 biogenesis repression
Anna	Guisado-Corcoll	sciforum-045708	Small ncRNAs derived from different Huntington's disease patients' brain regions induce diverse neuropathological outcomes in wild-type mice
Adrienne	Vancura	sciforum-045722	Cancer LncRNA Census 2 (CLC2): an enhanced resource reveals clinical features of cancer lncRNAs
Zubaida	Hassan	sciforum-045727	Structural impact and mechanism of Epstein-Barr virus encoded RNA-1-induced proliferation in lymphoid cell line
Nour	Khater	sciforum-045736	MALAT-1 and miR-486-5p: A novel lncRNA-miRNA circuit tuning IGF-1R and its downstream JAK/STAT pathway in Breast Cancer
Samantha	Filipów	sciforum-045759	Long non-coding RNAs in the pathogenesis of focal segmental glomerulosclerosis (FSGS)
Francisco	Enguita	sciforum-045764	Examining host lncRNA expression patterns in response to SARS-CoV-2 infection
Shifa	Jebari-Benslaiman	sciforum-045776	Statin-induced epigenetic deregulation contributes to the development of type 2 diabetes mellitus
Ane	Olazagoitia-Garmendia	sciforum-045819	Describing evolutionary convergent lncRNAs involved in development by k-mer and RNA structural homology analyses
Agnieszka	Fiszer	sciforum-045824	Analysis of competing endogenous RNAs network in neurodegenerative disorders caused by triplet repeat expansions
Rafael	Fort	sciforum-045825	Pan-Cancer chromatin analysis of the human vtRNA genes uncovers their association with cancer biology
Cristina	Sisu	sciforum-045828	Exploration of XIST role in lung cancer reveals a potential gene panel diagnostic biomarker and key cancer regulators
Luisa	Santus	sciforum-045829	In vivo single-cell profiling of long non-coding RNAs during Ebola virus infection