

1st International Workshop

TRANSLATIONAL CONTROL in CANCER

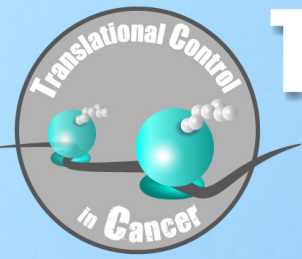
MAY 20 - 22 2019

**UFR ODONTOLOGIE
MONTPELLIER**

ABSTRACTS

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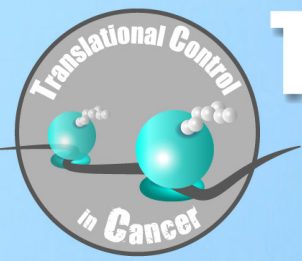




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METABOLISM AND SIGNALLING IN CANCER



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POSTER N° : 01

RIOK2 phosphorylation by RSK contributes to the synthesis of the human 40S ribosomal subunit

Yves ROMEO - FRANCE

POSTER N° : 02

Translational control of tumor-associated macrophage phenotypes

Dongmei TONG - SWEDEN

POSTER N° : 03

Targeting protein synthesis reshapes metabolism of malignant mesothelioma primary cells

Stefano GROSSO - UNITED KINGDOM

POSTER N° : 04

Novel use of 5-Fluorouracil as readthrough inducer: Rescuing nonsense mutant TP53 in human tumor cells

Mireia PALOMAR-SILES - SWEDEN

POSTER N° : 05

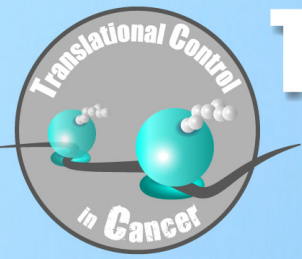
mTOR-eIF2 cross-talk signalling in response to the chemotherapeutic doxorubicin

Robert HARVEY - UNITED KINGDOM

POSTER N° : 06

Targeting Cancer Stem Cells with Antibiotics

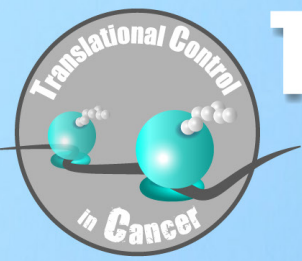
Hélène GUILLORIT - FRANCE



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RNA BINDING PROTEINS



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POSTER N° : 07

Profiling cisplatin induced rearrangement of RNA-binding proteins on the CDKN1B/p27 3'UTR identifies modulators of drug sensitivity

André GERBER - UNITED KINGDOM

POSTER N° : 08

Translational regulation of maternal mRNAs by the PIWI protein Aubergine and eIF3

Anne RAMAT - FRANCE

POSTER N° : 09

Lighting up stress induced changes in translation

David TOLLERVEY - UNITED KINGDOM

POSTER N° : 10

Insights into the role of the 4EHP-GIGYF1/2 complex on translational silencing by microRNAs

Clément CHAPAT - FRANCE

POSTER N° : 11

Free-5S particles affect cell cycle through interactions with different partners

Simon LEBARON - FRANCE

POSTER N° : 12

HnRNP H/F drive RNA G-quadruplex-mediated translation linked to genomic instability and therapy resistance in glioblastoma

Pauline HERVIOU - FRANCE

POSTER N° : 13

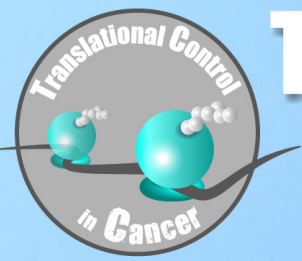
Deciphering the role of hnRNP U in mTOR-dependent mRNA translation

Leïla DUMAS - FRANCE

POSTER N° : 14

LARP1 drives cancer cell proliferation through regulation of metabolic networks

James CHETTLE - UNITED KINGDOM



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POSTER N° : 15

Translation initiation factor INT6/eIF3e is a target for human glioma cell radio-sensitization through regulation of specific mRNA translation

Juliette BERTORELLO - FRANCE

POSTER N° : 16

Investigating eIF4B in germinal centre B-cells and lymphoma

Michael SCREEN - UNITED KINGDOM

POSTER N° : 17

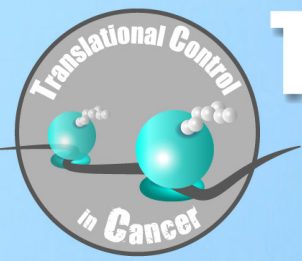
Identifying RNA binding proteins relevant for melanoma progression

Neus MESTRE FARRÀS - SPAIN

POSTER N° : 18

Dicer-2 targets and complexes in translational control

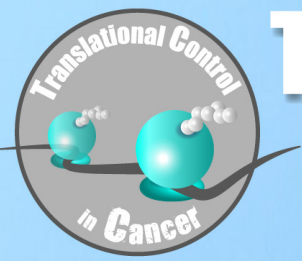
Olga COLL - SPAIN



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RNA EPIGENETIC AND CANCER



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POSTER N° : 19

Identification and Biochemical validation of small molecules targeting the YTH domain

Micaelli MARIACHIARA - ITALY

POSTER N° : 20

Towards the understanding of a dynamic 2'-O-methylation in the 18S rRNA

Kasper ANDERSEN - DENMARK

POSTER N° : 21

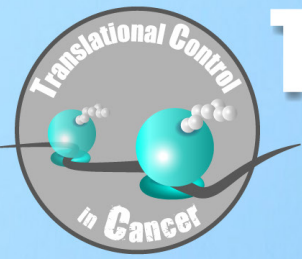
Investigating the Role of TRMT1 in Colorectal Cancer

Gavin GARLAND - UNITED KINGDOM

POSTER N° : 22

FTO steers cancer cell fate through m6Am RNA demethylation

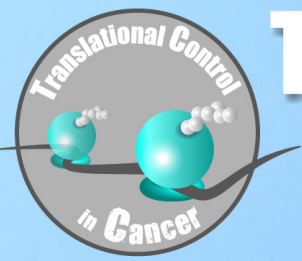
Sébastien RELIER - FRANCE



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THE “CANCEROUS TRANSLATION APPARATUS”



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POSTER N° : 23

Generally applicable transcriptome-wide analysis of translation using anota2seq

Christian OERTLIN - SWEDEN

POSTER N° : 24

RITA modulates mRNA translation and cell viability in an eIF2alpha dependent manner

Johannes RISTAU - SWEDEN

POSTER N° : 25

EIF5A as a target for anti-cancer drug development

Aristeidis SFAKIANOS - UNITED KINGDOM

POSTER N° : 26

Reprogramming translation in mammalian cells by tRNA pool modification

Bethany WOODVINE - UNITED KINGDOM

POSTER N° : 27

Inference of translational efficiency from co-ISH IHC imaging in fixed human tissues

Kleopatra ANDREOU - UNITED KINGDOM

POSTER N° : 28

Estrogen receptor alpha controls gene expression via translational offsetting

Julie LORENT - SWEDEN

POSTER N° : 29

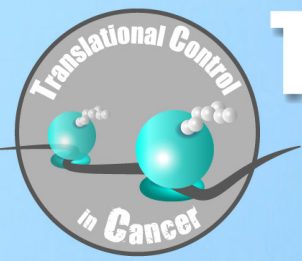
Identifying and investigating the functional role of heterogeneous ribosomes in mouse models of intestinal tumourigenesis

David GAY - DENMARK

POSTER N° : 30

EIF4A inhibition circumvents uncontrolled DNA replication mediated by 4E-BP1 loss in pancreatic cancer

Yvan MARTINEAU - FRANCE



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POSTER N° : 31

Identification and characterization of MYC-oncogene induced ribosome associated ncRNAs

Frederic S. ARENDRUP - DENMARK

POSTER N° : 32

The importance of RNA modifications in translation fidelity.

Olivier NAMY - FRANCE

POSTER N° : 33

Translation dysregulation in epithelial-mesenchymal transition (EMT) in human primary lung adenocarcinoma

Samantha SINNADURAI - UNITED KINGDOM

POSTER N° : 34

Translatome-based classification of pancreatic tumors

Sauyeun SHIN - FRANCE

POSTER N° : 35

EIF4E3, a regulator of monocytic differentiation in AML?

Amandine ALARD - FRANCE

POSTER N° : 36

Alteration of translational regulation in colorectal cancer

Miharu HISAOKA - GERMANY

POSTER N° : 37

5-fluorouracil treated cells produce fluorinated ribosomes with altered translational activity

Nicole DALLA-VENEZIA - FRANCE

POSTER N° : 38

Alteration of rRNA methylation and expression of rRNA methylation complex factors in breast tumours: evidences for ribosome heterogeneity in cancer

Virginie MARCEL - FRANCE

POSTER N° : 39

Evidence for rRNA 2'-O-methylation plasticity: control of intrinsic translational capabilities of human ribosomes

Frédéric CATEZ - FRANCE



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