



Cima
Universidad
de Navarra

PAMPLONA

OCTOBER 9th-11th

2024

BRIDGING RNA BIOLOGY AND THERAPY:

Exploring the Frontiers of Advanced Medicine

COORDINATOR

Maite Huarte

PhD - Director of DNA and RNA Medicine Division, CIMA

CO-ORGANIZERS

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WEDNESDAY, 9th OCTOBER 2024

SESSION 1

FUNCTIONAL ncRNAs AND RNA MODIFICATIONS IN DEVELOPMENT AND DISEASE

15:00 - 19:25

1. 1. Noncoding RNA

15:00 - 15:10

Welcome/Presentation

15:10 - 15:50

Keynote - RNA origin of sex biased immunity

Dr. Howard Chang

MD, PhD, Stanford University, USA

15:50 - 16:15

RNA-based mechanisms orchestrating the cell cycle and genome stability in cancer

Dr. Lovorka Stojic

MSc, PhD, Barts Cancer Institute, UK

16:15 - 16:40

Title pending

Dr. Puri Fortes

CIMA, Spain

16:40 - 16:55

Short talk 1

16:55 - 17:10

Short talk 2

17:10 - 17:40

Coffee break

17:40 - 18:05

Functions and modes of action of cis-acting long noncoding RNAs

Prof. Igor Ulitsky

BSc, PhD, Weizmann Institute of Science, Israel

18:05 - 18:30

Eradicating drug tolerance persister cancer cells by targeting lncRNAs

Prof. Eleonora Leucci

PhD, Katholieke Universiteit Leuven, Belgium

18:30 - 18:55

Title pending

Dr. Maite Huarte

PhD, CIMA, Spain

18:55 - 19:10

Short talk 3

19:10 - 19:25

Short talk 4

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THURSDAY, 10th OCTOBER 2024

09:00 - 10:45 1. 2. RNA Modifications

- 09:00 - 09:25 **Title pending**
Dr. Anders Lund
PhD, Biotech Research and Innovation Centre (BRIC), Denmark
- 09:25 - 09:50 **Harnessing noncoding RNA modifications for innovative disease therapies**
Dr. Ainara Castellanos
PhD, University of the Basque Country, Spain
- 09:50 - 10:15 **Targeting RNA methylases in cancer**
Dr. Sandra Blanco
PhD, Centro de Investigación del Cáncer (CIC), Spain
- 10:15 - 10:30 **Short talk 5**
- 10:30 - 10:45 **Short talk 6**
- 10:45 - 11:15 *Coffee break*

SESSION 2 ADVANCING RNA THERAPEUTICS

11:15 - 18:30 2. 1. RNA Aptamers

- 11:15 - 11:40 **Drug-regulated aptamers for controlling gene expression and cell function**
Dr. Samie Jaffrey
MD, PhD, Cornell University, USA
- 11:40 - 12:05 **Novel advances in mRNA therapeutics and delivery**
Dr. Paloma Giangrande
PhD, Eleven Therapeutics, USA
- 12:05 - 12:30 **Aptamers for cancer immunotherapy**
Dr. Fernando Pastor
CIMA, Spain
- 12:30 - 12:55 **Topical application of aptamers**
Dr. Günter Mayer
PhD, Cornell University, USA
- 12:55 - 13:10 **Short talk 7**
- 13:10 - 13:25 **Short talk 8**
- 13:25 - 15:00 *Lunch and poster presentations*

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15:00 - 18:30

2. 2. RNA Delivery

15:00 - 15:25

Engineering polymer/lipid nanocarriers for specific RNA delivery

Dr. María José Alonso

University of Santiago de Compostela, Spain

15:25 - 15:50

Title pending

Dr. Paolo Martini

PhD, Moderna, USA

15:50 - 16:15

Versatility of LNP mRNA therapies: from rare to liver infectious diseases

Dr. Ramón Díaz Trelles

PhD, Seawolf Therapeutics, USA

16:15 - 16:30

Short talk 9

16:30 - 17:00

Coffee break

17:00 - 17:25

Title pending

Dr. María Blanco-Prieto

University of Navarra, Spain

17:25 - 17:50

Engineering Circular RNA Therapeutics

Dr. Miao-Chih Tsai

MSc, PhD, Stanford University, USA

17:50 - 18:15

Next generation of mRNA based vaccines

Dr. Patrick Baumhof

PhD, CureVac, Germany

18:15 - 18:30

Short talk 10

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FRIDAY, 11th OCTOBER 2024

SESSION 3

TARGETING RNA SPLICING

09:00 - 09:25

Title pending

Dr. Juan Valcárcel

PhD, Center for Genomic Regulation (CRG), Spain

09:25 - 09:50

Targeting RNA-processing in neurological disorders with antisense oligonucleotides and beyond

Dr. Lorea Blázquez

PhD, Biogipuzkoa Health Research Institute, Spain

09:50 - 10:15

Antisense Modulation of RNA Splicing for Rare Disease Therapy

Dr. Adrian Krainer

PhD, Cold Spring Harbor Laboratory, USA

10:15 - 10:30

Short talk 11

10:30 - 10:45

Short talk 12

10:45 - 11:15

Coffee break

SESSION 4

THERAPEUTIC mRNA

11:15 - 11:40

Title pending

Dr. Ignacio Melero

MD, PhD, CIMBA, Spain

11:40 - 12:05

Title pending

Invited Speaker TBC

12:05 - 12:25

Cancer Epitranscriptomics: from knowledge to applications

Dr. Manel Esteller

MD, PhD, Instituto de Investigación contra la Leucemia Josep Carreras, Spain

12:25 - 12:40

Short talk 13

12:40 - 12:55

Short talk 14

12:55 - 13:10

Closing remarks

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Abstract Submission

*The Scientific Committee welcomes submissions
for abstract presentations at the Bridging RNA Biology and Therapy:
Exploring the Frontiers of Advanced Medicine.*

Online submission of abstracts will be open from May 6th to September 2nd.

Submit your abstract here

<https://doctaforum.com/bridgingrnabiologyandtherapy/abstracts>

Venue

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