

COST Action CA16120 EPITRAN

European Epitranscriptomics Network

Final Conference

20 - 22 September 2021
Online event



Online event
(platform Zoom)

For registration go to the following link:

https://zoom.us/webinar/register/WN_9ASC_iYERc-JHkhp0rt0ug

General program

Day #1: 20th September 2021

Date	Time	Session
20 th September 2021	h 14.00 – 14.30	Welcome and Introduction
20 th September 2021	h 14.30 – 15.30	Session #1: RNA Editing biology (Part 1)
20 th September 2021	h 16.00– 17.00	Session #2: m6A biology (Part 1)

Day #2: 21st September 2021

Date	Time	Session
21 st September 2021	h 14.00 – 15.00	Session #3: m6A biology (Part 2)
21 st September 2021	h 15.20 – 16.20	Session #4: RNA Editing biology (Part 2)
21 st September 2021	h 16.40 – 17.40	Session #5: Applications in Epitranscriptomics

Day #3: 22nd September 2021

Date	Time	Session
22 nd September 2021	h 14.00 – 15.00	Session #6: Other Epitranscriptomics modifications #1
22 nd September 2021	h 15.30 – 16.45	Session #7: <i>Other Epitranscriptomics modifications #2</i>



Detailed program Day #1

Monday, 20th September 2021

14.00 - 14.15	Welcome and instructions to the conference (Welcome from organizers and COST Association Scientific Officer, Gordana Kregar)
14.15 – 14.30	Title: Overview of the COST Action EPITRAN Speaker: Alessandro Quattrone (University of Trento, IT)

Session #1: RNA Editing biology (Part 1) **Chair: Yuri Motorine (CNRS-University of Lorraine, FR)**

14.30 – 14.50	Keynote talk Title: Human Recoding sites: Profile, Evolution, Adaptation Speaker: Eli Eisenberg (Tel Aviv University, IL)
14.50 – 15.00	Title: Role of the APOBECs in SARS-CoV-2 editing Speaker: Uday Munagala (ISPRO, IT)
15.00 – 15.10	Title: Changes in levels of A-to-I RNA in individuals less susceptible to malaria. Speaker: Jaclyn Quin (CEITEC-MU, CZ)
15.10 – 15.30	Q&A and discussion with the speakers

Session #2: m6A biology (Part 1) **Chair: Yuri Motorine (CNRS-University of Lorraine, FR)**

16.00 – 16.20	Keynote talk Title: N6-methyladenosine in breast cancer Speaker: Francesca Aguiló (Umeå University, SE)
16.20 – 16.30	Title: Two novel proteins with opposing m6A writing functions interact with HAKAI Speaker: Mi Zhang (University of Nottingham, UK)
16.30 – 16.40	Title: Functional and biochemical studies of an m6A reader protein Speaker: Lingyun Li (University of Geneva, CH)
16.40 – 17.00	Q&A and discussion with the speakers



Detailed program Day #2

Tuesday, 21st September 2021

Session #3: RNA Editing biology (Part 2) Chair: Liam Keegan (CEITEC-MU, CZ)

14.00 – 14.10	Title: Specificity of ADAR isoforms Speaker: Renata Kleinová (Medical University of Vienna, AT)
14.10 – 14.20	Title: Stress-induced RNA editing in a host-symbiont system Speaker: Salvatore Di Giorgio (German Cancer Research Center DKFZ, DE)
14.20 – 14.30	Title: RNA modification in Filamin A pre-mRNA and its role in colon inflammation Speaker: Rajagopal Varada (Medical University of Vienna, AT)
14.30 – 14.50	Q&A and discussion with the speakers

Session #4: m6A biology (Part 2) Chair: Francesca Aguiló (Umeå University, SE)

15.15 – 15.25	Title: Emerging role of RNA methyltransferase METTL14 in bladder cancer Speaker: Catarina Teixeira (Portuguese Institute of Oncology of Porto, PT)
15.25 – 15.35	Title: Unraveling the role of m6A writer complex VIRMA in germ cell tumors progression Speaker: Vera Miranda-Gonçalves (Portuguese Institute of Oncology of Porto, PT)
15.35 – 15.45	Title: M6A RNA methylation in gastric cancer: the role of YTHDF3 Speaker: Catarina de Oliveira (i3S, PT)
15.45 – 15.55	Title: Computational analysis of the pan-cancer m6A machinery alteration patterns Speaker: Eliana Destefanis (University of Trento, IT)
15.55 – 16.20	Q&A and discussion with the speakers

Session #5: Applications in Epitranscriptomics Chair: Francesca Aguiló (Umeå University, SE)

16.40 – 17.00	Keynote talk Title: Queuine-mimetics: Hitting the re-set button in autoimmunity Speaker: Vincent Kelly (Trinity College Dublin, IE)
17.00 – 17.10	Title: The role of N6-Methyladenosine in mediating drug resistance of human Hepatocellular Carcinoma Speaker: Lucia Coscujuela Tarrero (IIT Milano, IT)
17.10 – 17.20	Title: MODOMICS: a database of RNA modification pathways. 2021 update Speaker: Andrea Cappannini (International Institute of Molecular and Cell Biology, PL)
17.20 – 17.40	Q&A and discussion with the speakers
	Closure of day #2



Detailed program Day #3

Wednesday, 22nd September 2021

Session #6: Other Epitranscriptomics modifications (Part 1) **Chair: Erik Dassi (University of Trento, IT)**

14.00 – 14.20	Keynote talk Title: Epitranscriptomic tRNA modifications and disease. Speaker: Sebastian Leidel (University of Bern, DE)
14.20 - 14.30	Title: Multivariate analysis of RNA marks for glioma grading Speaker: Amandine Amalric (CNRS - Institut de Génomique Fonctionnelle, FR)
14.30 – 14.40	Title: Detection of queuosine (Q) modification in RNA Speaker: Navpreet Kaur (Humboldt University, DE)
14.40 - 14.50	Title: T-to-C: A New Modification in mRNA and lncRNA? Speaker: Riccardo Pecori (German Cancer Research Center DKFZ, DE)
14.50 – 15.15	Q&A and discussion with the speakers

Session #7: Other Epitranscriptomics modifications (Part 2) **Chair: Erik Dassi (University of Trento, IT)**

15.30 – 15.50	Keynote talk Title: Ribosomal 2'-O-methylation profiling reveals a cancer-specific signature for clinical prostate cancer Speaker: Elena S. Martens-Uzunova (Erasmus MC, NL)
15.50 - 16.00	Title: Depletion of ribosomal 2'-O-methylation at 28S-Gm4593 mediated by snoRNA SNORD78 reduces the aggressive phenotype of prostate cancer Speaker: Daniela Barros-Silva (Portuguese Oncology Institute of Porto, PT)
16.00 - 16.10	Title: The inflammation state as main drivers of aberrant DNA-RNA methylation in colorectal cancer Speaker: Hatim Boughanem (IBIMA, ES)
16.10 - 16.20	Title: Deep assessment of human disease-associated ribosomal RNA modifications using Nanopore direct RNA sequencing Speaker: Isabel Naarmann-de Vries (University Hospital Heidelberg, DE)
16.20 – 16.45	Q&A and discussion with the speakers
	Closing remarks and farewell