



AGENDA

FINAL MEETING - COST Action no. CA17118

Action Title: Identifying Biomarkers Through Translational Research for Prevention and Stratification of Colorectal Cancer (TRANSCOLONCAN)

Venue Barcelona, Country Spain 01/06/2022-03/06/2022

WEDNESDAY JUNE 1st

Location: Auditori Esteve, IDIBAPS, Centre Esther Koplowitz, Rosselló 153, Barcelona, Spain

Webinar link to join:

https://us02web.zoom.us/webinar/register/WN_reCaza4sObu3xweIqKU6Nw

Wifi open and free: [Wifi Clinic](#)

13:00-14:00

1. Registration (please, those attending in-person, do not come in the last minute)

14:00-14:10

2. Welcome to participants

3. Adoption of agenda and approval of last meeting minutes (Torino)

14:10-14:30

4. Management committee meeting

The impact of COVID 19 pandemic on CRC screening- what are the facts and what can be done?

Eitan Friedman

The Sackler School of Medicine, Tel-Aviv University, Tel-Aviv, Israel

14:30-14:45

Science Communication committee summary

Miljana Tanic (ONLINE)

Institute for Oncology and Radiology of Serbia, National Cancer Research Centre, Belgrade, Serbia

14:45-15:00

Short Term Scientific Missions (STSM)/Inclusiveness targeted countries (ITC) grants summary

Clara Ruiz-Ponte

Fundación Pública Galega de Medicina Xenómica, Instituto de Investigación Sanitaria de Santiago (IDIS), Santiago de Compostela, Spain

Short Term Scientific Missions sessions. Moderated by Clara Ruiz-Ponte

15:00-15:15

Functional characterization of miR-93-5p in colorectal cancer by in vitro assays and in vivo chorioallantoic membrane assay

Jovana Despotovic (STSM awardee) (ONLINE)

Institute of Molecular Genetics and Genetic Engineering, University of Belgrade, Belgrade, Serbia

15:15-15:30

Evaluation of m6a methylation of miR-93 direct targets in digestive cancer cellular models

Elena Fernández-Castañer (STSM awardee)

IDIBAPS, Barcelona, Spain

15:30-15:45

Profiling the response to neoadjuvant chemoradiotherapy in locally advanced rectal cancer using data independent acquisition mass spectrometry (DIA-MS)

Aleksandra Stefanovic (STSM awardee)

Institute of Oncology and Radiology of Serbia, Belgrade, Serbia

15:45-16:00

Proteomic profiling of locally advanced rectal cancer before and after neoadjuvant chemoradiotherapy

Tamara Babic (STSM awardee) (ONLINE)

Institute of Molecular Genetics and Genetic Engineering, University of Belgrade, Belgrade, Serbia

16:00-16:30 Coffee break

5. Identification of biomarkers for colorectal cancer - a translational workshop from the TRANSCOLONCAN network

Working Group 1 (Disease risk profiling)

Moderated by Barbara Pardini and Makis Zoidakis

16:30-16:50

Microbiome analysis for colorectal cancer prediction

Elin Org

Estonian Genome Centre, Institute of Genomics, University of Tartu, Tartu, Estonia

16:50-17:10

Lifelong exposure to caloric restriction maintains or restores the microbiota profile of aging mice

Bilge G. Tuna

School of Medicine, Yeditepe University, Istanbul, Turkey

17:10-17:30

Can Selenium prevent Cancer? May depend on where not just whom you ask

David Hughes

Conway Institute, University College Dublin, Dublin, Ireland

17:30-17:50

Shot-gun gut microbiome MWAS meta-analysis and CRC

Victor Moreno

Catalan Institute of Oncology, IDIBELL, Hospitalet de Llobregat, Barcelona, Spain

17:50

Picture time!

17:55

6. Close up

20:30 Dinner at Restaurant Semproniana

(only confirmed participants)

Rosselló 148, Barcelona



<https://semproniana.net/en/home/>

THURSDAY JUNE 2nd

Location: Auditori Esteve, IDIBAPS, Centre Esther Koplowitz, Rosselló 153, Barcelona, Spain

Webinar link to join:

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Wifi open and free: Wifi Clinic

7. Identification of biomarkers for colorectal cancer - a translational workshop from the TRANSCOLONCAN network (cont.)

Working Group 1 (Disease risk profiling)

Moderated by Barbara Pardini and Makis Zoidakis

9:00-9:15

Identification and validation of germline pharmacogenetic biomarkers of toxicity after treatment with fluoropyrimidines, oxaliplatin and irinotecan in CRC patients

Ana Rita Simões

Fundación Pública Galega de Medicina Xenómica, Instituto de Investigación Sanitaria de Santiago (IDIS), Santiago de Compostela, Spain

9:15-9:30

Taxonomic microbial profiles of Colorectal Adenomas

Flavia Genua

Conway Institute, University College Dublin, Dublin, Ireland

9:30-9:45

Consumption of fruits, vegetables and fiber and risk of colorectal cancer. A gene environment interaction analysis

Nikolaos Papadimitriou

International Agency for Research on Cancer (IARC), Lyon, France

9:45-10:00

Microbiome profiling from fecal immunochemical test reveals microbial signatures with potential for colorectal cancer screening

Olfat Khannous-Lleiffe

Barcelona Supercomputing Centre, Institute for Research in Biomedicine, Barcelona, Spain

Working Group 2 (Non-invasive biomarkers)

Moderated by Suna Timur and Olga Abian

10:00-10:20

miRNA profiling in stool identifies fecal miRNAs able to accurately distinguish colorectal cancer and adenomas from healthy controls and related to cancer progression

Alessio Naccarati

Italian Institute for Genomic Medicine (IIGM), Turin, Italy

10:20-10:50 Coffee Break

10:50-11:05

Bowel preparation for colonoscopy, pre-analytical potential flaw for diagnosis?

Sonia Hermoso-Durán

Institute of Biocomputation and Physics of Complex Systems (BIFI), Zaragoza, Spain

11:05-11:25

CRC screening improvement by using miRNA biomarkers

Meritxell Gironella

Centro de Investigación Biomédica en Red de Enfermedades Hepáticas y Digestivas (CIBERehd), IDIBAPS, Barcelona, Spain

11:25-11:40

Integrative omic analysis of faecal samples shows novel miRNA-mediated host-microbiota interactions in colorectal cancer

Giulio Ferrero

Department of Computer Science, University of Turin, Turin, Italy

11:40-12:00

Novel liquid biopsy approaches to improve screening strategies for colorectal polyps and cancer

Ceres Fernández-Rozadilla

Fundación Pública Galega de Medicina Xenómica, Instituto de Investigación Sanitaria de Santiago (IDIS), Santiago de Compostela, Spain

12:00-12:20

Identification and expression analysis of novel non-coding RNAs (ncRNAs) in cancer cells using a high-throughput sequencing approach: Two putative new cancer biomarkers in colorectal adenocarcinoma

Andreas Scorilas

National and Kapodistrian University of Athens, Athens, Greece

12:20-12:40

Latest updates on the 'Peptide Nucleic Acid based Diagnosis of CRC via Smartphone Sensing' project

Emine Guler Celik

Department of Bioengineering, Faculty of Engineering, Ege University, Izmir, Turkey

12:40-13:40 Lunch

Working Group 3 (Tumor profiling)

Moderated by Milena Cavic and Ester Sánchez-Tilló

13:40-14:00

Mapping the molecular diversity of the colorectal adenoma-early carcinoma transition

Pavel Vodicka

Institute of Physiology, 1st Faculty of Medicine, Charles University, Prague, Czech Republic

14:00-14:20

Markers of chromosomal instability associated with the clinical outcome of colorectal cancer patients

Jordi Camps

IDIBAPS, Barcelona, Spain

14:20-14:35

SMAD4-201 transcript as a putative biomarker in colorectal cancer

Tamara Babic (ONLINE)

Institute of Molecular Genetics and Genetic Engineering, University of Belgrade, Belgrade, Serbia

14:35-14:50

Exploring the value of hematological parameters as predictive factors in patients with anal

squamous cell cancer treated with radical chemoradiotherapy

Mladen Marinkovic

Institute of Oncology and Radiology of Serbia, Belgrade, Serbia

14:50-15:05

Altered serum levels of ceramide and sphingomyelin species in patients with rectal cancer

Sandra Dragičević (ONLINE)

Institute of Molecular Genetics and Genetic Engineering, University of Belgrade, Belgrade, Serbia

15:05-15:25

Whole exome sequencing of paired colorectal carcinomas and synchronous liver metastases from the same patients

Pavel Soucek

Biomedical Centre, Faculty of Medicine, Charles University, Pilsen, Czech Republic

15:25-15:55 Coffee break

15:55

8. Close up

15:55-18:55

9. Dissemination video interviews shooting

(only selected participants)

FRIDAY JUNE 3rd

Location: Auditori Esteve, IDIBAPS, Centre Esther Koplowitz, Rosselló 153, Barcelona, Spain

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10. Identification of biomarkers for colorectal cancer - a translational workshop from the TRANSCOLONCAN network (cont.)

Working Group 3 (Tumor profiling)

Moderated by Milena Cavic and Ester Sánchez-Tilló

9:00-9:20

Molecular adenoma features to predict metachronous colorectal cancer risk: a nested-case control study

Beatriz Carvalho

The Netherlands Cancer Institute, Amsterdam, The Netherlands

Working Group 4 (Functional genomics and therapies)

Moderated by Elena Ionica and Mariona Terradas

9:20-9:40

Studying the genetic bases of hereditary colorectal cancer and polyposis

Laura Valle (ONLINE)

Catalan Institute of Oncology, IDIBELL, Hospitalet de Llobregat, Barcelona, Spain

9:40-10:00

ATF2 – an underestimated player in aggressiveness of colon cancer

Regine Schneider-Stock

University Hospital of the Friedrich-Alexander University Erlangen-Nürnberg, Germany

10:00-10:20

Insights from a GI-cancer genetic service – from translational research to policy changes

Yael Goldberg

Raphael Recanati Genetic Institute, Rabin Medical Center, Tel Aviv, Israel

10:20-10:50 Coffee Break

10:50-11:10

Molecular mechanisms for the role of aldo-keto reductases as biomarkers in gastrointestinal cancers

Sreeparna Banerjee

Orta Dogu Teknik Universitesi (ODTU/METU), Ankara, Turkey

11:10-11:30

Smart drug delivery platforms for cancer treatment

Antoni Fical

Faculty of Applied Chemistry and Materials Science, University Politehnica of Bucharest, Bucharest, Romania

11:30-11:50

The many faces of colorectal cancer immunity: implications for disease onset and therapy

Noel de Miranda

Leiden University Medical Center, Leiden, The Netherlands

11:50-12:10

Germline MBD4-deficiency causes a multi-tumor predisposition syndrome

Claire Palles (ONLINE)

Institute of Cancer and Genomic Sciences, University of Birmingham, Birmingham, UK

12:10-12:55

Understanding colorectal cancer genetics through multi-omic and trans-ancestral analysis and its impact on cancer prevention

Ulrike Peters (ONLINE)

Fred Hutchinson Cancer Research Center, Seattle, Washington

12:55-13:05

Final update from the COST Action Chair

Sergi Castellví-Bel

IDIBAPS, Barcelona, Spain

13:05-13:15

Closing remarks by the COST Action Vice-Chair

Richarda de Voer

Radboud Institute for Molecular Life Sciences, Nijmegen, the Netherlands

13:15

11. Close up

This meeting is sponsored by:



**Funded by the
European Union**



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