

INTERNATIONAL CHILDHOOD CANCER COHORT CONSORTIUM (I4C)

ANNUAL CONFERENCE

23-24 FEBRUARY 2022

The International Childhood Cancer Cohort Consortium (I4C) is a unique global platform involving the collaboration of large birth cohorts that seeks to obtain the first adequately powered prospectively collected exposure data and biospecimens from pregnancy in the mother, and from birth in the infant, that can then be linked to occurrence of childhood cancer.

The objective is to provide important insights into prevention of childhood cancer and the Consortium has already published important findings on birth size, parent's occupational exposures, maternal infection, and perinatal light imprinting, from six foundation cohorts from whom data has been pooled on 388,118 participants among whom 675 childhood cancers of all types have occurred. A further eight cohorts have agreed to share data in the coming years which will lead to a doubling of the number of cases available and substantial increase in power.

In this virtual annual conference, cohorts will present on their progress in data collection, and the science relevant to the work will be discussed.

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EAST COAST US - EUROPE TIME ZONE

Feb 23 UTC 9:00 am - 11:00 am

Introduction by Terry Dwyer

Cohort update

Campinas - *Silvia Brandalise*
ALSPAC - *Kate Northstone*
DNBC - *Sjurdur Olsen*
MoBa - *Per Magnus*
NINFEA - *Milena Maule*
JPS - *Ora Paltiel*
BIGCS - *Qiu Xiu*
JECS - *Shoji Nakayama*
KoCHENS - *Woo-Jin Kim*
GenV - *Melissa Wake*
Lanzhou & Taiyun - *Yawei Zhang*

Scientific session

Chair: Milena Maule

Recent findings from I4C. Maternal infection and
risk of childhood leukemia - *Jianrong (Jeff) He*
Mediation analysis in life-course studies - *Bianca*
De Stavola
Advances in measuring the presence of ETV6-
RUNX1 translocations in cord blood - *Arndt*
Borkardt

PACIFIC RIM TIME ZONE

Feb 23-24 UTC 11:00 pm - 01:00 am

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Cohort update

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KoCHENS - *Woo-Jin Kim*
GenV - *Melissa Wake*
Lanzhou & Taiyun - *Yawei Zhang*

Scientific session

Chair: Philip Lupo

Recent findings from I4C. Maternal infection and
risk of childhood leukemia - *Jianrong (Jeff) He*
Recent findings in epigenetics that throw light on
the aetiology of childhood leukemia - *Joe Wiemels*
A strategy for investigating the causes of
childhood cancer in China - *Yawei Zhang*

Register in advance at:
www.i4c2022.unito.it