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.
INTernational Childhood Cancer Cohort Consortium (I4c)

Annual Conference

23-24 February 2022

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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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