

International symposium on: **THE IMPACT OF GENOMIC DEEP SEQUENCING ON PAEDIATRIC RESEARCH AND CLINICAL PRACTICE**

Promoted by



FONDAZIONE
INTERNAZIONALE
MENARINI

Organized by

**Paediatrics Unit
Sant'Orsola Academic Hospital
Alma Mater Studiorum
University of Bologna**



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA



SERVIZIO SANITARIO REGIONALE
EMILIA-ROMAGNA
Azienda Unità Sanitaria Locale di Bologna

Under the auspices of

**Dipartimento Scienze Mediche
e Chirurgiche**

Alma Mater Studiorum
Università di Bologna

SIP

Società Italiana di Pediatria

CIRC

Centro Interdipartimentale di
ricerche sul cancro "Giorgio Prodi"
Alma Mater Studiorum
Università di Bologna

President of the symposium

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Meeting venue

The venue for the symposium is

Stabat Mater Hall

Archiginnasio Public Library

Piazza Galvani, 1 - Bologna (Italy)

Organizing secretariat and CME provider

DueCi Promotion srl

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THURSDAY, 19TH NOVEMBER - AFTERNOON PROGRAM

03:00 p.m. Attendees registration

Welcome ceremony

03:30 p.m. Welcome addresses

F. Ubertini, Rector, University of Bologna

G. Corsello, President SIP

A. Pession, President of the meeting

Opening lectures

Chairmen: G. Corsello, G. Basso

04:00 p.m.

H. Hakonarson

The future of precision medicine

approaches in patient care

05:00 p.m.

S. Semplici

Ethical issues

06:00 p.m. *Welcome cocktail*

FRIDAY, 20TH NOVEMBER - AFTERNOON PROGRAM

Session V: Paediatric Reumatology

Chairmen: R. Meliconi, G. Ricci

03:00 p.m.

A. Martini

Genetics of auto-inflammatory

disorders in childhood

03:30 p.m.

J.B. Harley

Sequence data analysis with trios in

rheumatic and other diseases

Session VI: Paediatric Gastroenterology

Chairmen: S. Cucchiara, V. Stanghellini

04:00 p.m.

S. Ennis

Deep exome sequencing of paediatric

autoimmune disease patients

04:30 p.m.

P. Brigidi

Functional and phylogenetic characterization

of gut microbioma by deep sequencing

**Session VII: Paediatric Oncology
and Hematology**

Chairmen: F. Locatelli, G. Martinelli

05:00 p.m.

C. Mullighan

Genomic characterization of childhood

acute lymphoblastic leukemia

05:30 p.m.

R. Huether

The landscape of somatic mutations in

epigenetic regulators across 1,000

paediatric cancer genomes

06:00 p.m. CME questionnaire

06:20 p.m. Closing remarks

FACULTY

A. Aiuti	Milan, Italy
G. Basso	Padova, Italy
F. Bernardi	Bologna, Italy
P. Brigidi	Bologna, Italy
S. Calvo	Cambridge, USA
A. Cassio	Bologna, Italy
W.O. Cookson	London, UK
G. Corsello	Palermo, Italy
S. Cucchiara	Rome, Italy
C. Dionisi Vici	Rome, Italy
M. Duse	Rome, Italy
S. Ennis	Southampton, UK
G. Faldella	Bologna, Italy
P. Froguel	London, UK
H. Hakonarson	Philadelphia, USA
J.B. Harley	Cincinnati, USA
R. Huether	Aliso Vejo, USA
S.F. Kingsmore	Kansas City, USA
F. Locatelli	Rome, Italy
G. Martinelli	Bologna, Italy
A. Martini	Genova, Italy
L. Mazzanti	Bologna, Italy
R. Meliconi	Bologna, Italy
C.G. Mullighan	Memphis, USA
S. Nava	Bologna, Italy
R.B. Parad	Boston, USA
R. Pasquali	Bologna, Italy
A. Pession	Bologna, Italy
G. Ricci	Bologna, Italy
S. Semplici	Rome, Italy
M. Seri	Bologna, Italy
V. Stanghellini	Bologna, Italy
S. Vilarinho	New Haven, USA

FRIDAY, 20TH NOVEMBER - MORNING PROGRAM

Session I: Paediatric Immunology

Chairmen: M. Duse, G. Faldella

09:00 a.m.

S.F. Kingsmore

Rapid whole-genome sequencing for

genetic disease diagnosis in neonatal

intensive care units

09:30 a.m.

A. Aiuti

Novel approaches to screening and

diagnosis of primary immunodeficiencies

Session II: Paediatric Rare Disease

Chairmen: L. Mazzanti, M. Seri

10:00 a.m.

S. Calvo

Molecular diagnosis of infantile

mitochondrial disease with targeted

next-generation sequencing

10:30 a.m.

S. Vilarinho

Individual exome analysis in diagnosis

and management of paediatric liver

diseases of indeterminate etiology

11:00 a.m. *Coffee break*

Session III: Paediatric Pneumology

Chairmen: F. Bernardi, S. Nava

11:30 a.m.

W.O. Cookson

The GABRIEL experience and beyond:

making sense of asthma with genes

12:00 a.m.

R.B. Parad

Next generation diagnostics of cystic fibrosis

Session IV: Paediatric Endocrinology

Chairmen: A. Cassio, R. Pasquali

12:30 a.m.

C. Dionisi Vici

Newborn screening

01:00 p.m.

P. Froguel

Genetic characterization of monogenic childhood

diabetes and obesity towards personalized

metabolic medicine

01:30 p.m. *Lunch*

CME: Continuing Medical Education

DueCi Promotion srl, CME Provider of the symposium, will assign CME credits to the following profiles:

- **Physicians** specialized in:
 - Paediatrics · Hematology · Endocrinology · Oncology
 - Gastroenterology · Medical genetics · Metabolic disease and diabetology · Internal medicine · Rheumatology
- **Biologists**

Attendees' registration

The symposium is free to attend, but on line registration is required. Please link to the organizing secretariat website:

www.duecipromotion.com > Congressi Medici

> Calendario Congressi > Registrazione on line

Registration deadline: 25th October, 2015

