

www.twin2014.eu



**Budapest**  
Hungary

NOVEMBER 2014  
**16<sup>th</sup> | 19<sup>th</sup>**

# Twins

2014

The Joint 3<sup>rd</sup> World Congress on Twin Pregnancy & The 15<sup>th</sup> Congress of the  
International Society of Twin Studies (ISTS)  
a Global Perspective

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## **TWINS 2014**

**The Joint 3<sup>rd</sup> World Congress on Twin Pregnancy and  
15<sup>th</sup> Congress of the International Society of Twin Studies (ISTS):**

***Budapest***

***November 16<sup>th</sup>-19<sup>th</sup>, 2014***

***Danubius Hotel Flamenco***

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**Twin Pregnancy & International Society**  
a Global Perspective **Twin Studies (ISTS)**

**Sunday, November 16<sup>th</sup>**

**10.30 - 16.00 BUDA HALL**

**PRECONGRESS COURSE 1: Monitoring during pregnancy and labour**

Coordinator: G. H. A. Visser, NL

Discussants: I. Blickstein, Israel - B. Arabin, Germany

The first trimester scan  
*K. Bilardo, NL*

Dichorionic twins; monitoring during pregnancy  
*K. Hack, NL*

Monochorionic twins: monitoring during pregnancy  
*I. Blickstein, Israel*

Selective IUGR in monochorionic twins  
*E. Gratacos, Spain*

How to manage triplets and higher order multiples  
*Y. Yogev, Israel*

Vaginal birth or elective Cesarean delivery; the Canadian twin birth study  
*J.F. Barrett, Canada*

Monitoring during labour  
*G.H.A. Visser, NL*

**13:00 -14:00**

**BREAK**



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**10.30 - 16.00 PARK 1 HALL**

**PRECONGRESS COURSE 2: Consensus Conference: Twin management - terminology: a consensus conference**

**Coordinator: R. Quintero, USA**

**Discussants:**

- D. Oepkes, NL*
- H. Muñoz, Chile*
- J.E. Dickinson, Australia*
- F. Slaghekke, NL*
- E. Kontopoulos, USA*
- G.C. Di Renzo, Italy*

**10.00 - 16.15 PARK 2 HALL**

**PRECONGRESS COURSE 3: Advanced course on epigenetics and twinning**

10:00 - 10.10 Welcome by Professor Tim Spector

**Session 1**

**Coordinator: Jon Mills**

- 10:10-10.40 Epigenetics the challenges and an example  
*Chris Bell Stephan Beck*
- 10.40-11.00 Epigenetics in young twins  
*Richard Saffery*
- 11.00-11.20 Epigenetics in autoimmune disease  
*Robert Lyle*

**11:20 - 11.50 COFFEE - POSTER PRESENTATION**

**Session 2**

**Coordinator: Jeff Craig**

- 11.50-12.10 True concordance of diabetes in twins  
*Kirsi Piestäinen*
  - 12.10-12.30 Epigenetics in the Hunger Winter Families Study  
*Bas Heijmans*
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12.30-12.50 Epigenetics of mental health disease  
*Jon Mills*

**12:50-13.50 LUNCH - POSTER PRESENTATION**

### Session 3- EpiTrain Fellows presentations

Coordinator: **Tim Spector**

13:50-14.05 Abstract 1

14:05-14.20 Abstract 2

14:20-14.35 Abstract 3

14:35-14.50 Abstract 4

**14:50 -15:00 COFFEE AND POSTERS**

### Session 4

Coordinator: **Jaako Kaprio**

15:05-15.20 EUrodiscotwin - the use of the discordant twin pair model  
*Tim Spector*

15:20-16.00 Keynote Lecture - causal modeling and twins  
*George Davey Smith*

16:00-16.15 Closing remarks  
*Tim Spector*

**16:15-16.30 DRINKS**

**13.30 - 15.30 PARK 3 HALL**

**PRECONGRESS COURSE 4: ICOMBO A workshop on how to effective manage a national multiple birth organisation**

Coordinator: **M. Rankin, Australia**

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**16.45 - 17.45 PARK 3 HALL**

**ISTS BOARD MEETING**

Coordinator: G. Willemsen, NL

**18.00- 21.30 RAVEL HALL**

**OPENING CEREMONY & WELCOME RECEPTION**

Chairpersons: G.C. Di Renzo, Italy, R. Quintero, USA, T. Spector, UK

Opening lecture: Twins in history and art  
*D. Lippi, Italy*

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## Monday, November 17<sup>th</sup>

8:30 - 9:30 BOLERO HALL

**PARALLEL SESSION 1A: Preconceptional aspects of multiple pregnancy - How to avoid multiples in PMA**

Coordinators: S. Daya, Canada - P. Devroey, Belgium

The outcomes of twin pregnancies with assisted reproduction  
*S. Daya, Canada*

PMA and multiple pregnancy. How to improve perinatal outcome  
*A. Antsaklis, Greece*

Risks of twinning in PMA  
*P. Devroey, Belgium*

8:30 - 9:30 CORDOBA HALL

**PARALLEL SESSION 1B: Bulmer session on new developments with the biology of twinnings**

Coordinators: N. Lambalk, NL - C. Derom, Belgium

TBA  
*B. Reversade, Singapore*

9:30 - 10:00 RAVEL HALL

**KEYNOTE LECTURE:** introduced by L. Keith, USA

TBA  
*G. Davey - Smith, UK*

10:00 - 10:30

**BREAK**



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## 10:30 - 12:30 BOLERO HALL

### PARALLEL SESSION 2A: Obstetrical issues in twin pregnancy (I): prenatal non invasive and invasive testing

Coordinators: D. Oepkes, NL - G. Monni, Italy

Amnio or CVS in multiples?  
*G. Monni, Italy*

NIPT in twins: fetal cell-free DNA fraction and aneuploidy assessment  
*T. Musci, USA*

Non invasive twin zygosity assessment and aneuploidy detection by maternal plasma DNA sequencing  
*T.Y. Leung, HK*

First trimester prediction of twin growth disturbances  
*J.L. Bartha, Spain*

Ultrasound and Doppler in the first trimester -what we can predict in twins?  
*L. Poon, UK*

Ultrasound and twins: pitfalls and curiosities  
*Y. Zalel, Israel*

## 10:30 - 12:30 CORDOBA HALL

### PARALLEL SESSION 2B: International Twin studies on cooperation, competition and altruism

Coordinator: N. Segal, USA

TBA  
*M. Carlier, France*

TBA  
*H. Pascal, France*

TBA  
*A. Knafo, Israel*

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12:30 - 13:30

**BREAK**

13:30 - 15:30 BOLERO HALL

**PARALLEL SESSION 3A: Obstetrical issues in twin pregnancy (II): prematurity**

Coordinators: R. Romero, USA - H. Muñoz, Chile

Cervical screening: which cut-off for twins?  
*S. Hassan, USA*

Cervix in twin pregnancy: the Chilean experience  
*H. Muñoz, Chile*

Progestogens and twins: do they work on the prevention of preterm birth and neonatal morbidity?  
*R. Romero, USA*

Cerclage vs. other methods to prevent twins preterm birth  
*E. Fonseca, Brazil*

The pessary and twins preterm birth prevention  
*L. Cabero Roura, Spain*

13:30 - 15:30 CORDOBA HALL

**PARALLEL SESSION 3B: Cancer and Multiple birth**

Coordinators: N. Lambalk, NL - J. Harris, Norway

*Speakers:*

15:30 - 16:00

**BREAK**

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16:00- 18:00 BOLERO HALL

**PARALLEL SESSION 4A: Neonatal issues in raising twins**

Coordinators: L. Zimmerman, NL - G. Donzelli, Italy

Speakers:

Problem of resuscitation in preterm twins  
*L. Zimmerman, NL*

Neurobehavioural outcome of twins  
*L. Ramenghi, Italy*

Long term follow up of complicated monochorionic twins, TTTS, TAPS and selective IUGR  
*E. Lopriore, NL*

16:00 - 18:00 CORDOBA HALL

**PARALLEL SESSION 4B: Addiction and twinning** Coordinator: J. Vink, NL

Speakers:

18:00 - 19.30

**FILM SESSION:**

“Twin Sisters”, introduced by Nancy Segal, USA

18:00 - 19.30

**POSTER SESSION**

Tuesday, November 18<sup>th</sup>

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**8:30 - 10:00 BOLERO HALL**

**PARALLEL SESSION 5A: Twin Studies in Europe**

Chairpersons: Z. Papp, Hungary, L. Littvay, Hungary

Coordinators: A. Tarnoki, Hungary, D. Tarnoki, Hungary

8.30 - 9.00      The latest development in twin studies  
*D. van Leeuwen, NL*

9.00 - 10.00    Twin studies in Central and Eastern Europe  
*A. Tarnoki, D. Tarnoki, Hungary -TBA*

**8:30 - 10:00 CORDOBA HALL**

**PARALLEL SESSION 5B: Cerebral palsy in twins**

Coordinators: J.E. Dickinson, Australia - I. Blickstein, Israel

*Speakers:*

**8:30 - 10:00 PARK HALL**

**PARALLEL SESSION 5C: ICOMBO Multiple Birth Organization BUSINESS meeting**

Coordinators: M. Rankin, Australia

**10:00 - 10:30**

**BREAK**

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**10:30 - 12:30 BOLERO HALL**

**PARALLEL SESSION 6A: Obstetrical issues in twin pregnancy (III): growth**

Coordinators: R. Quintero, USA - E. Gratacos, Spain

NCD and twins  
*M. Hod, Israel*

Obesity and twins  
*Y. Yogev, Israel*

Twin Pregnancy: double risk for metabolic syndrome  
*L. Voto, Argentina*

Placental anomalies in twins  
*C. Hubinont, Belgium*

IUGR in multiples  
*E. Gratacos, Spain*

**10:30- 12:30 CORDOBA HALL**

**PARALLEL SESSION 6B: Metabolic syndrome, diabetes and cardiovascular risk factors**

Coordinator: K. Ohm-Kyvik, Denmark

*Speakers:*

12:30 - 13:30

**BREAK**

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13:30 - 15:30 BOLERO HALL

**PARALLEL SESSION 7A: Obstetrical issues in twin pregnancy (IV): labour and delivery**

**Coordinators: J.F. Barrett, Canada - E. Kontopoulos, USA**

Timing of delivery of twins  
*R. Sokol, USA*

Timing of delivery of monochorionic twins  
*I. Blickstein, Israel*

The Twin Birth Study: the secondary analyses begin! Labour induction and successful vaginal birth  
*J.F. Barrett, Canada*

Problems of labour induction in twins  
*M. Robson, Ireland*

Optimal mode of delivery for the second twin  
*D. Farine, Canada*

How to deliver the second non-engaged twin  
*B. Arabin, Germany*

Acute TTTS in labour  
*D. Skupski, USA*

13:30- 15:30 CORDOBA HALL

**PARALLEL SESSION 7B: Epigenetics**

**Coordinators: R. Lyle, UK - J. Harris, Norway**

How fetal programming works?  
*G. Burdge, UK*

13:30- 15:30 PARK HALL

**PARALLEL SESSION 7C: ICOMBO symposium**

**Coordinator: M. Rankin, Australia**

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Postnatal depression in multiple birth parents  
*S. Griffith*

Maternity services  
*K. Reid*

**15:30 - 16:00**

**BREAK**

**16:00 - 17:30 BOLERO HALL**

**PARALLEL SESSION 8A: Obstetrical issues in twin pregnancy (V): malformations unique to twins**

**Coordinators: A. Antsaklis, Greece - Z Papp, Hungary**

The cardiovascular malformations  
*J. Carvalho, UK*

Postural anomalies and their impact  
*K. Hecher, Germany*

The placenta  
*L. Lewi, Belgium*

Management of discordant anomalous twins  
*E. Kontopoulos, USA*

**16:00 - 17:30 CORDOBA HALL**

**PARALLEL SESSION 8B: Anthropometric traits**

**Coordinators: K. Silventoinen, Finland**

*TBD*

*K. Silventoinen, Finland*

*TBD*

*A. Jelenkovic, Spain*

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TBD

G. Willemsen, NL

**17:30 - 18:00 PLENARY**

**LECTURE:** introduced by R. Quintero, USA

*Ultrasound and Doppler in the first trimester -what we can predict in twins?*  
G. Rizzo, Italy

18:00 - 19:00 PARK HALL

**ISTS General Meeting**

**Chairperson:** T. Spector, UK

**Secretary:** G. Willemsen, NL

**20:00 - 23.00 SOCIAL AND FACULTY DINNER**

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## Wednesday, November 19<sup>th</sup>

**8:30 - 10:30 BOLERO HALL**

**PARALLEL SESSION 9A: Monochorionic twins (I): surgery and TTTS**

Coordinators: R. Quintero, USA, - J. Deprest, BE

Cardiac manifestations of TTTS  
*N. Manning, UK*

Donor twin catch-up growth after laser surgery for twin-twin transfusion syndrome  
*R. Quintero, USA*

TAPS: how severe is it, how to treat it?  
*D. Oepkes, NL*

TAPS: how to diagnose it, how to prevent it?  
*F. Slaghekke, NL*

Fetal brain injury in survivors of twin pregnancies complicated by demise of one twin as assessed by in utero MR imaging  
*M. Kilby, UK*

**8:30 - 10:30 CORDOBA HALL**

**PARALLEL SESSION 9B: Wellbeing**

Coordinator: M. Bartels, NL

An overview of twin-family and molecular genetic studies into wellbeing  
*M. Bartels, NL*

Wellbeing and the overlap with Mental Illness  
*A. Baselmans, NL*

Twin-family studies and Optimism  
*T. Bates, NL*



**10:30 - 11:00**

**BREAK**

**11:00- 12:30 BOLERO HALL**

**PARALLEL SESSION 10A: Biomarkers**

Coordinator: J. Harris, Norway

*Speakers:*

**11:00- 12:30 CORDOBA HALL**

**PARALLEL SESSION 10B: Monochorionic twins (2): other issues**

Coordinator: I. Blickstein, Israel - L. Keith, USA

Monochorionic twins behaviour  
*C. Arabin, Germany*

MC twinning as an embryonic accident  
*I. Blickstein, Israel*

Functional and acquired cardiovascular anomalies in monochorionic twins  
*N. Manning, UK*

First trimester fetal reduction in monochorionic multiples and perinatal outcome  
*A. Mikhailov, Russia*

*Contemporary management of monoamniotic twins*  
*V. Stefanovic, Finland*

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**12:30 - 13:00 RAVEL HALL**

**CLOSING LECTURE** introduced by T. Spector, UK

TBD  
*D. Ehrlich*

**13:00 - 13:40 RAVEL HALL**

**AWARD CEREMONY AND CLOSING REMARKS - THE NEXT TWINS CONGRESS IN 2016**

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