

## Pre-Congress Course on Genetics Course - Preliminary Program Proposal

### Fetal Brain World Congress

January 22, 2026

Limited to 25 participants

Course Directors: Ritsuko Pooh & Yuval Yaron

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9:00-11:00 Chair; Ritsuko Pooh, Yuval Yaron

#### Session 1: Neurogenesis, Corticogenesis and Genetics

1. Basic knowledge of CNS development and Genetics (Roe Birnbaum)
2. Molecular mechanisms of neuronal proliferation, neuronal migration and post-migration disorders (Richard Leventer)
3. Genetics of NTD (Yuval Yaron)
4. Neuropathology of genetic syndromes (Prashant Acharya)

11.00-11.30 Coffee Break

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11:30-13:30 Chair; Ritsuko Pooh, Yuval Yaron

#### Session 2: Diagnostic Approach and Genetic Testing Strategies

1. Genetic testing and Interpretation, ACGM guidelines (Yuval Yaron)
2. Phenotype-Genotype correlation in Fetal Medicine (Ritsuko Pooh)
3. Phenotype-Genotype correlation in Pediatrics (Richard Leventer)
4. Genetic counseling for fetal brain malformations (Yuval Yaron)

13.30-14.30 Lunch

14:30-17:00 Chair; Ritsuko Pooh, Yuval Yaron

#### Session 3: Case Studies (5-6 cases)

(Yuval Yaron, Ritsuko Pooh, Prashant Acharya, Richard Leventer, Roe Birnbaum, Gustavo Malinger)

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17.00- 17.30 Q&A

#### Speakers:

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