

**Day 1: Monday 24<sup>th</sup> of November**

**09:30–10:00: Registration, coffee and sandwiches**

**SESSION 1: Basics and background**

**10:00–10:15 Introduction of course and participants**

**10:15–10:45 Why does epileptology need genetics and precision medicine?**

Tommy Stöddberg, MD, PhD

**10:45–11:20 Genetics: Basics and methods**

Kaja Selmer, MD, PhD

**11:20–12:00 Genetic evaluation, diagnosis, and counselling**

Inger-Lise Mero, Clinical Geneticist, MD, PhD

**12:00–13:00 Lunch break**

**SESSION 2: Epilepsy genetics**

**13:00–13:45 State of the art of genetic investigations in epilepsy in 2025**

Rikke Steensbjerre Møller, Professor, MSc, PhD

**13:45–14:30 A genotype-phenotype clinical interpretation approach**

Elena Gardella, Prof., MD PhD and Rikke Steensbjerre Møller, Prof, MSc PhD

**14:30–14:45 Mini break – leg stretch**

**14:45–15:45 *In silico* prediction tools and online portals for variant interpretation**

Christian Bosselmann, MD, PhD

**15:45–16:15 Mini break – with snacks**

**SESSION 3: Workshop and hands on variant evaluation**

**16:15–16:45 Introduction to case workshops on variant evaluation**

**16:45–17:45 Case work in groups**

**17:45–18:15 Round-up in plenum**

**18:15–18:30 Summary of day 1**

**1930 Dinner**

**Day 2: Tuesday 25<sup>th</sup> of November, 2025**

**SESSION 4: Precision treatment**

**09:00–09:30 Patient perspectives**

**09:30–10:00 Somatic mutations in focal cortical dysplasia**

Fridny Heimisdottir, Pediatrician, MD

**10:00–10:40 Principles of clinical pharmacology and pharmacogenetics**

Cecilie Johannessen Landmark, Professor, MScPharm, PhD

**10:40–11:10 Drug repurposing in epilepsy**

Allan Bayat, Ass. Professor, MD, PhD

**11:10–11:30 Break**

**11:30–12:30 Precision medicine – state of the art and future perspectives**

Amy McTague, MD, PhD

**12:30–13:30 Lunch break**

**SESSION 5: Clinical case discussions**

**13:30–15:00 Plenary seminar: Cases from participants**

**15:00–16:00 Clinical discussions, evaluations, conclusions**

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