

**EDUCATIONAL WORKSHOP**  
**IMMUNOGLOBULIN GENE SEQUENCE**  
**ANALYSIS IN CLL**  
**MARCH 28 – 29, 2019**  
**BETHESDA, MD**



*Theoretical and practical aspects of IGHV gene mutational analysis in clinical diagnostics with a focus on next generation sequencing, data interpretation and reporting.*

**Free registration at <https://faes.org/ericnihccl>**

# PROGRAM

## March 28

### Session 1. Setting the tone

**Chair: Gerald Marti**

- 09:00 – 09:10 Welcome - *A. Wiestner, P. Ghia*  
09:10 – 09:40 On the road to CLL - *P. Ghia*  
09:40 – 10:05 CLL clonal dynamics - *N. Chiorazzi*  
10:05 – 10:30 IG genes in CLL: biological aspects -  
*K. Stamatopoulos*

### Session 2. Immunoglobulin gene sequence analysis

**Chair: Marie-Paule Lefranc**

- 10:50 – 11:10 Mechanisms of immunoglobulin  
diversity - *F. Davi*  
11:10 – 11:40 From the patient to the sequence:  
Primers, PCR, Detection of clonality, Sanger  
sequencing - *L. Sutton*  
11:40 – 12:00 IMGT tools for interpretation of IG  
gene sequence data - *V. Giudicelli*  
12:00 – 12:20 Specific challenges in IG gene  
interpretation and tailored bioinformatics  
solutions - *A. Hadzidimitriou*

### Session 3. Practical exercises: basic

**Chair: Laura Rassenti**

- 13:00 – 13:45 Hands-on exercises I  
- *K. Stamatopoulos*  
13:45 – 14:30 Sequence interpretation  
- *K. Stamatopoulos*

### Session 4. Practical exercises: advanced

**Chair: Diane Jelinek**

- 15:00 – 16:00 Hands-on exercises II  
- *A. Agathangelidis*  
16:00 – 17:00 Sequence interpretation  
- *F. Davi*

### Social Program and Reception

## March 29

### Session 5. The IG as a biomarker and a therapeutic target in CLL

**Chair: Paolo Ghia**

- 09:00 – 09:45 Targeting signaling pathways to  
treat CLL - *A. Wiestner*  
10:45 – 10:30 Prognostic considerations  
- *R. Rosenquist*

### Session 6. New directions - standards

**Chair: R. Rosenquist**

- 11:00 – 11:30 NGS IG analysis - basic principles -  
*A. Langerak*  
11:30 – 12:00 NGS IG analysis in CLL -  
prognostication - *F. Davi*  
12:00 – 12:30 How to report IG gene sequence  
data in clinical diagnostics - *L. Sutton*  
12:30 – 12:45 The ERIC IG Network  
- *A. Hadzidimitriou*  
12:45 – 13:00 Wrap up – *P. Ghia, A. Wiestner*

## Meeting Location

Clinical Center of the National Institutes of  
Health, Bethesda, MD

