

# PRELIMINARY PROGRAMME

# ISFG 2016 ESWG

INTERNATIONAL SOCIETY FOR FORENSIC GENETICS  
ENGLISH SPEAKING WORKING GROUP

BUDAPEST, HUNGARY | **31 AUGUST - 03 SEPTEMBER 2016**  
NOVOTEL BUDAPEST CENTRUM\*\*\*\*\*  
[WWW.CONVENTION.HU](http://WWW.CONVENTION.HU)



**BOI**  
ISZKI Budapesti Orvostudományi Intézet  
DNS Laboratórium

# WEDNESDAY

31<sup>ST</sup> OF AUGUST, 2016

19:00

**GET TOGETHER - OPENING COCTAIL**

# THURSDAY

1<sup>ST</sup> OF SEPTEMBER, 2016

## 09:00-09:30 WELCOME

09:00-09:15

Welcome to Budapest

**dr. Judit Székér** (patron); Network of Forensic Science Institutes, Budapest, Hungary

09:15-09:30

Introduction to program

**Dr. Horolma Pamjav**

## 09:30-10:15 INVITED SPEAKER

New technologies an introduction

**Prof. Niels Morling**; Section of Forensic Genetics, Department of Forensic Medicine, Faculty of Health and Medical Sciences, University of Copenhagen

## 10:15-11:00 COFFEE BREAK AND POSTER SECTION

## 11:00-12:20 STR SEQUENCE VARIATION

**Chairs: Prof. Niels Morling, Dr. Denise Syndercombe Court**

11:00-11:20

Sequencing of 58 STRs using the Illumina® ForenSeq™ workflow and analysis of the data with the STRinNGS v.1.1 software

**Christian Hussing**; Section of Forensic Genetics, Department of Forensic Medicine, Faculty of Health and Medical Sciences, University of Copenhagen

11:20-11:40

Assessing the usefulness of sequence-specific allele frequencies across different populations using Massively Parallel Sequencing

**Laurence Devesse**; King's College London

11:40-12:00

Autosomal STR Variations Reveal Genetic Heterogeneity in the Mon-Khmer Speaking Group of Northern Thailand

**Dr. Antónia Völgyi**; Institute of Forensic Medicine, Network of Forensic Science Institutes, Budapest

12:00-12:20

Next generation sequencing and STR mutation rates – is sequence knowledge helpful?

**Federica Giangasparo**; King's College London



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## 12:20-13:30 LUNCH

## 13:30-16:30 POPULATION GENETICS

**Chairs: Dr. Horolma Pamjav, Ass. Prof. Gunilla Holmlund**

- 13:30-13:50 Using relatives to find criminals in the Hungarian offender database  
**Dr. Daniel King**; Norwegian Institute of Public Health, Division of Forensic Services
- 13:50-14:10 Statistical and population genetics issues of two Hungarian datasets from the aspect of DNA evidence interpretation  
**Dr. Zoltán Szabolcsi**; Institute of Forensic Medicine, Network of Forensic Science Institutes, Budapest
- 14:10-14:30 Forensic and Population Genetic Investigations on the Turkish Cypriots from Cyprus  
**Dr. Cemal Gurkan**; Turkish Cypriot DNA Laboratory
- 14:30-14:50 Allele frequency distribution for 15 STR loci among 7 islands in Indonesia and the genetic relationship in the world  
**Prof. Toshimichi Yamamoto**; Department of Legal Medicine and Bioethics, Graduate School of Medicine, Nagoya University

## 14:50-15:20 COFFEE BREAK AND POSTER SECTION

- 15:20-15:40 Evaluation of the DNA identification efforts for the victims and body parts from the terrorist attacks at Zaventem Airport and the Brussels subway station (Belgium)  
**Prof. Ronny Decorte**; KU Leuven
- 15:40-16:00 Forensic DNA Phenotyping: prediction of complex appearance traits with autosomal SNP markers  
**Gusztáv Bárány**; Institute of Forensic Medicine, Network of Forensic Science Institutes, Budapest
- 16:00-16:30 Promega: Innovation, Science & Quality  
**Stefan Kutranow**; Promega

## 19:00- INVITED SPEAKERS' DINNER

# FRIDAY

2<sup>ND</sup> OF SEPTEMBER, 2016

## 09:00-11:30 MARKERS IN RELATIONSHIP TESTING

**Chairs: Dr. Daniel Kling, Ass. Prof. Andreas Tillmar**

- 09:00-09:20 Validation of the HID-Ion Ampliseq™ Identity Panel for relationship testing and reflections on the first 10 months of experience with MPS in real case  
**Dr. Anders Buchard**; University of Copenhagen
- 09:20-09:40 Increasing the power in paternity and relationship testing utilizing massive parallel sequencing for the analysis of a large SNP panel  
**Dr. Andreas Tillmar**; Department of Forensic Genetics and Forensic Toxicology, National Board of Forensic Medicine
- 09:40-10:00 Kinship testing with (many) more markers  
**Maarten Kruijver**; VU University, Amsterdam
- 10:00-10:20 Short Case Presentation: Non-exclusion paternity case presenting with 3 genetic inconsistencies solved by massively parallel sequencing  
**Laurence Devesse**; King's College London

## 10:20-10:50 COFFEE BREAK AND POSTER SECTION

- 10:50-11:10 Assessment of the ForenSeq NGS typing system in relationship casework  
**Dr. David Ballard**; King's College London
- 11:10-11:30 X chromosome investigation to resolve the genetic relationship in family members separated by several generations  
**Dr. Balázs Egyed**; Department of Genetics, Eötvös Loránd University, Budapest

## 11:30-12:00 LUNCH

## 12:00-13:50 ASSESMENT OF RESULTS

**Chairs: Prof. Ronny Decorte, Prof. Klaas Slooten**

- 12:00-12:20 Identifying common donors in DNA mixtures  
**Prof. Dr. Klaas Slooten**; Netherlands Forensic Institute
- 12:20-12:50 Summarizing the results from the ESWG 2016 paper challenge  
**Dr. Daniel Kling**; Norwegian Institute of Public Health, Division of Forensic Services
- 12:50-13:20 Quality Assurance (QA) of the Biostatistical Workflow in Forensic Genetic Casework  
**Ass. Prof. Andreas Tillmar**; Department of Forensic Genetics and Forensic Toxicology, National Board of Forensic Medicine

13:20-13:50 New ChrX- and SNP-Assays for Use in Kinship Analysis  
**Carole Peel**; Qiagen's Human ID & Forensics team

**13:50-14:30 COFFEE BREAK AND POSTER SECTION**

**14:30 ESWG MEETING**

**19:00 BANQUET DINNER IN DOMONYVÖLGY**

## **SATURDAY**

**3<sup>RD</sup> OF SEPTEMBER, 2016**

**07:00-10:00 BREAKFAST**

## **POSTERS**

Sequence variations in the short tandem repeat SE33 discovered by next generation sequencing  
**Eszter Rockenbauer**; Section of Forensic Genetics, Department of Forensic Medicine, Faculty of Health and Medical Sciences, University of Copenhagen

Analysis of next generation sequencing data of 11 STRs in 208 Somalis using the STRinNGS v1.0 software

**Eszter Rockenbauer**; Section of Forensic Genetics, Department of Forensic Medicine, Faculty of Health and Medical Sciences, University of Copenhagen

Effect of genetic inconsistencies on duo parentage testing using COrDIS Plus DNA marker system  
**Dr. Vladislav Zavarin**; LLC Medical Genomics

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