Tuesday, 21st of June, 2016

18.00 Greetings from the Authorities
Lectio Magistralis
Scientific Evidence and Proof. Towards a Personalized Justice  
C. J. TARFUSSER

19.30 WELCOME COCKTAIL

ETHOS OF THE SYMPOSIUM

The 2016 Intersocietal Symposium of the International Academy of Legal Medicine (IALM) will discuss the present and future evolution of Bio-Medicolegal Sciences in the post-genomic framework of Personalized Medicine, in terms of Innovation, Unitariness and Evidence.

The unitariness of the “Bio-Medicolegal Sciences”, historically founded on the accuracy and rigor of the methods of ascertainment and criteria of evaluation, should reestablish itself on molecular evidence, in the promotion of a Personalized Justice.

The Syntagma “Innovation–Unitariness–Evidence” will constitute the main theme of the Symposium, to be articulated in Sessions on the subjects of Forensic Pathology and Anthropology on the Dead Person, Clinical Legal and Forensic Medicine on the Living Person, from interpersonal violence to personal injury and damage, malpractice and personal identification, in addition to Medicolegal Laboratory, such as Forensic Genetics – Genomics, Forensic Toxicology and Forensic Imaging.

The Final Session will gather together the ideas and points of interest which emerge in the course of the Symposium, and will trace a vision of Transdisciplinary Innovation and Future Evidence in the framework of Personalized Justice.

Eighteen prestigious Scientific Societies and Partners will be collaborating with IALM in the realization of this Scientific endeavor, which will be comprised of a total number of 22 Parallel Sessions, 6 Workshops and 3 Satellite Meetings.
IALM intersocietal symposium
P5 Medicine & Justice
21st - 24th June 2016 - VENICE

Wednesday, 22nd of June, 2016

P4 PERSONALIZED MEDICINE
Scientific-Technological Innovation and Epistemological Perspectives

Co-Chairmanship: A. CARRACEDO – S. CORDNER – D. PRIMORAC

8.30 Opening Lecture
The Origin of Personalized Medicine and the Systems Biology Revolution
R. RIZZUTO

Lectures
- Metabolomics and Molecular Imaging in the Post-Genomic Era
  T. ILLIG
- Epistemological and Ethical Implications of the P4 Revolution
  G. ZACCARIA

Open Discussion

10.30 COFFEE BREAK

INNOVATION, UNITARINESS AND EVIDENCE
Bio-Medicolegal and Criminological Sciences


11.00 Lectures
- Bio-Medicolegal Sciences
  S. D. FERRARA
- Criminological Sciences
  K. KIEHL
- From Scientific Evidence to Scientific Proof
  G. FORTI

Guided and Open Discussion

12.30 LUNCH

INNOVATION, UNITARINESS AND EVIDENCE
Forensic Pathology and Anthropology Dead Person


13.30 Lectures
- Forensic Pathology. Historical Roots and Modern Evolution
  S. POLLAK
- New Molecular and Imaging Innovations in Forensic Pathology
  T. KONDO
- Current Practice of Forensic Anthropology on Dead Bodies
  M. VERHOFF
- Future Innovation of Post-mortem Anthropology
  C. CATTANEO
- The Impact of Innovation on Future Evidence at Trial
  M. POLLANEN

Guided and Open Discussion

15.30 COFFEE BREAK
**IALM intersocietal symposium**

**P5 Medicine & Justice**

**21st - 24th June 2016 - VENICE**

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**Wednesday, 22nd of June, 2016**

Co-Chairmanship: **P. BEH - M. GULMEN - F. INTRONA**

**15.50** Groundbreaking Oral Communications

**GOP-1** A comparison between four different methods of sampling GSR from gunshot wounds on skin and bone. Different applicability and reliability

A. AMADASI

**GOP-2** Experimental staining in the barrel (part I). The positioning of the pistol

K. BAUER

**GOP-3** Secondary brain ischemic injury from platelet aggregation as marker of chronology of brain injury. Experimental-casuistic study with IHC

R. CECCHI

**GOP-4** Forensic anthropology and new technologies. Validation of a 3D surface scanning method for human identification. Preliminary results

M. DA COSTA SERRA

**GOP-5** Body length estimation during the post-mortem interval. A preliminary study

D. FERORELLI

**GOP-6** Time course analysis of five cytokines of incised wound in skeletal muscle for wound age estimation

M. GABALLAH

**GOP-7** The analysis of thermally altered human remains. New insights and possibilities

T. KRAP

**GOP-8** Feasibility study of the effective utilization of image features from X-ray computed tomography imaging for personal identification in forensic cases

Y. MATSUNOBU

**GOP-9** Post-mortem muscle protein degradation as a tool for PMI delimitation

S. PITTNER

**GOP-10** Post-mortem diagnosis of myocardial ischemia. A feasibility study on the application of LA-ICP MS, with multiplex quantitative imaging

S. SABATASSO

17.30 Closure
Thursday, 23rd of June, 2016

IALM Intersocietal Symposium

INNOVATION, UNITARINESS AND EVIDENCE
Clinical Legal and Forensic Medicine

- LIVING PERSON
Violence - Personal Injury and Damage - Malpractice - Personal Identification

Co-Chairmanship: T. FRACASSO - A. KUMAR - D. WELLS

9.00 Opening Lecture
Forensic Examination of the Living. From Violence to Injury and Damage. Overview
D. N. VIEIRA

Lectures

VIOLENCE - CRIMINOGENESIS AND PERSONAL INJURY

- OMICS and Functional Imaging for Predicting Violence
  P. PIETRINI
- Current Evidence in Personal Injury and Torture Medicine
  M. LORENTE
- Current and Future Evidence in Personal Injury Ascertainment under Criminal Law
  R. DETTMAYER

Groundbreaking Oral Communications

GOP-11 Sexual and physical victimization in Spanish Prisons. Mental illness as an associated risk factor
F. CARAVACA SÁNCHEZ

GOP-12 Disclosure of sexual violence. Speaking about the unspeakable
J. COHEN

GOP-13 Low-threshold clinical forensic examinations in Austria
I. KLASINC

GOP-14 Torture. Survival and death
H. VOGEL

Open Discussion

11.00 COFFEE BREAK
Thursday, 23rd of June, 2016

Co-Chairmanship: M. BAMOUS - M. ROTHSCILD - D. SHOKRY

11.30 Lectures

PERSONAL INJURY AND DAMAGE EVALUATION UNDER CIVIL LAW
- Personal Damage Ascertainment
- Detection of Malingering in Psychic Damage Ascertainment
- Current and Future Evidence in Personal Damage Evaluation

Groundbreaking Oral Communications

GOP-15 Objective assessment on balance dysfunction induced by vestibular injury or lower limb injury
GOP-16 The evaluation of TMJ post-traumatic personal damage. Critical analysis
GOP-17 Quick on the trigger. A fast, whole body, 3D surface documentation for medico-legal investigations

Open Discussion

13.00

LUNCH

14.00 Lectures

MALPRACTICE AND MEDICAL LIABILITY. INJURY AND DAMAGE
- International Juridical Overview
- New Methods of Ascertainment in Medical Malpractice
- Current and Future Evidence in Medical Malpractice

Groundbreaking Oral Communications

GOP-18 The notes are typical doctors' notes, not particularly easy to interpret. An argument for video-recording of Medical Panel decisions?
GOP-19 A case of severe burns during magnetic resonance imaging

Open Discussion

15.30

COFFEE BREAK
Thursday, 23rd of June, 2016

Co-Chairmanship: R.H.A. DA SILVA – V. PINCHI – E. VILLANUEVA

16.00 Lectures

PERSONAL IDENTIFICATION AND AGE ESTIMATION
- Historical Routes and Current Practice for Personal Identification E. CUNHA
- Radiodiagnostic and Molecular Innovation in Personal Identification S. GRABHERR
- Future Trends in Molecular Age Estimation M. CLEMENTI
- Current and Future Evidence in Personal Identification and Age Estimation R. CAMERIERE

Groundbreaking Oral Communications

GOP–20 Age estimation procedure based on the 3D CBCT study of the dental pulp volume in adults C. BALDINOTTI
GOP–21 3D reconstruction of teeth for estimating chronological age in children aged 5 – 18 years T. DOSTALOVA
GOP–22 Do cervical vertebrae add significant information to hand bones in forensic age estimation? B. GELBRICH
GOP–23 Are second premolars relevant in forensic age estimation? G. GELBRICH
GOP–24 Age assessment and gender identification using magnetic resonance imaging of the knee O. EL-SERAFY

Open Discussion

18.00 Closure
Friday, 24th of June, 2016

IALM intersocietal symposium
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IALM
Intersocietal
Symposium

INNOVATION, UNITARINESS AND EVIDENCE
Forensic Imaging

Co-Chairmanship: S. GRABHERR - T. ISHIKAWA

9.00 Opening Lecture
   History and Current State of Forensic Imaging
   Lectures
   - Advances in Post-Mortem Forensic Imaging
   - Advances in Clinical Forensic Imaging
   - Future Evidence in Forensic Imaging
   Open Discussion

H. VOGEL

INNOVATION, UNITARINESS AND EVIDENCE
Forensic Toxicology

Co-Chairmanship: T. KELLER - A. SALOMONE

9.00 Opening Lecture
   Post-Modern Medicolegal and Forensic Toxicology
   Lectures
   - From Drug Identification to Systems Toxicology
   - Single hair analysis. Monitoring Concept for P4 Implementation
   - Metabolomics and Omics-related Sciences in Forensic Toxicology
   Open Discussion

H. MAURER

D. FAVRETTO
M. R. BAUMGARTNER
A. THOMAS

INNOVATION, UNITARINESS AND EVIDENCE
Forensic Genetics and Genomics

Co-Chairmanship: B. LUDES - H. PFEIFFER

9.00 Opening Lecture
   From Hemogenetics to Forensic Genomics
   Lectures
   - New Trends in Phenotype Prediction
   - Populations Genomics. Future Forensic Perspectives
   - Future Evidence in Forensic Genomics
   Open Discussion

A. CARRACEDO

M. KAYSER
W. PARSON
P. SCHNEIDER

11.00 COFFEE BREAK
Friday, 24th of June, 2016

INNOVATION, UNITARINESS AND EVIDENCE

Forensic Imaging

Co-Chairmanship: G. CECCETTO – G. RUTTY

11.30

Groundbreaking Oral Communications

GOP-25 Establishment of reference values for density measurement in post-mortem computed tomography (PMCT) and multiphase PMCT-Angiography (MPMCTA)  
FIRST AUTHOR
A. DOMINGUEZ

GOP-26 Post-mortem sedimentation versus vital pulmonary embolism in post-mortem computed tomography  
A. HEINEMANN

GOP-27 Detection of pulmonary fat embolism in cases with post-mortem CT angiography (PMCTA)  
M. LESTA

GOP-28 Forensic pathology in modern perinatal medicine  
M. R. MARTINEZ

GOP-29 The influence of scanner type and acquisition parameters on bone length measurements in computed tomography  
T. ULDIN

GOP-30 Forensic 3D documentation of the injuries  
C. VILLA

GOP-31 Iatrogenic cardiac shunts. Findings in PMCT and MPMCTA  
H. VOGEL

Open Discussion

INNOVATION, UNITARINESS AND EVIDENCE

Forensic Toxicology

Co-Chairmanship: R. RAUDYS – K. STEWART

11.30

Groundbreaking Oral Communications

GOP-32 EWDTS guidelines. Highlights of the update 2015  
FIRST AUTHOR
M. BRCAK

GOP-33 Driving under the influence of drugs. Epidemiology, clinical impairment and latest legislative per se approach in Ireland and Europe  
D. CUSACK

GOP-34 Genotyping CYP2D6 in post-mortem tramadol cases. A case report  
S. FONSECA

GOP-35 Simulated motorcycle riding performance under low-dose alcohol in light drinkers. A pilot study  
R. GIORGETTI

GOP-36 LC-MS/MS determination of Topiramate in nails and hair. Comparison of incorporation into these keratinized matrices  
C. JIMÉNEZ-MORIGOSA

GOP-37 Driving under the influence of drugs. Scientific technical evaluation and selection of preliminary drug testing devices currently available in Europe  
R. MAGUIRE

GOP-38 A comparison between hair EtG, hair FAEE, serum CDT in detecting patterns alcohol consumption in child protection cases  
J. NUTT

Open Discussion
Friday, 24th of June, 2016

INNOVATION, UNITARINESS AND EVIDENCE
Forensic Genetics and Genomics

Co-Chairmanship: N.E. CHUNG – A. LUNA

11.30
Groundbreaking Oral Communications

GOP–39  Digital resolution of forensic biological mixtures by separation of 100% pure cells from each contributor for precise genetic analysis  
FIRST AUTHOR  
F. FONTANA

GOP–40  Development of methylation marker sets for forensic age estimation using Sequenom Epityper and analysis of public methylation data  
A. FREIRE-ARADAS

GOP–41  HLA–DRB1 and DQB1 frequencies in United Arab Emirates Population  
R. GOMAA

GOP–42  Association of a body fluid with a DNA profile by targeted RNA/DNA deep sequencing  
S. INGOLD

GOP–43  Relevance of molecular testing in patients with a family history of sudden death  
S. KAUFERSTEIN

GOP–44  A comparative study between muscle, cartilage, bone and swab from inside the urinary bladder for DNA typing in disaster victim identification  
S. T. G. FERREIRA

GOP–45  The impact of variants in arrhythmia associated genes on unexplained drownings  
I. TZIMAS

13.00
LUNCH

Open Discussion

P5 PERSONALIZED JUSTICE
Transdisciplinary Innovation and Future Evidence

Co-Chairmanship: D. CUSACK – N. IKEDA – S. POLLAK

14.00
Reports of Previous Sessions

I SESSION  Scientific–Technological Innovation and Epistemological Perspectives  
P. SCHNEIDER

II SESSION  Bio-Medicolegal and Criminological Sciences  
G. VIEL

III–IV SESSION  Forensic Pathology and Anthropology  
M. POLLANEN

V–VI–VII SESSION  Violence – Personal Injury – Medical Malpractice  
M. RANAVAYA

VIII SESSION  Personal Identification – Age Estimation  
D. CUSACK

IX–X SESSION  Forensic Genetics and Genomics  
M. KAYSER

XI–XII SESSION  Forensic Toxicology  
K. STEWART

XIII–XIV SESSION  Forensic Imaging  
G. RUTTY

Guided and Open Discussion

15.30
COFFEE BREAK

Co-Chairmanship: S.D. FERRARA, G. FORTI, C.J. TARFUSSER

16.00
Round–Table and Open Discussion

A. CARRACEDO, T. KONDO, S. POLLAK, M. POLLANEN, M. ROTHSCHILD

18.00
Conclusions