

International Society for Applied Biological Sciences



**ISABS Conference on Forensic and
Anthropologic Genetics and Mayo Clinic
Lectures in Individualized Medicine**

Hotel Dubrovnik Palace / Dubrovnik, June 19-24, 2017

www.isabs.hr





10th

Dear Colleague,

Please join us at the Tenth International Society for Applied Biological Sciences (ISABS) Conference on Forensic and Anthropologic Genetics and Mayo Clinic Lectures in Individualized Medicine, Dubrovnik, Croatia, June 19-24, 2017.

This jubilee event commemorates the twentieth anniversary of our conference series. The idea for the conference was conceived out of necessity to bring to Croatia and broader region insights into the rapidly developing genetic techniques to forensic and clinical applications.

The impact of the conferences and the resulting professional ties on applied genetics in the region has been substantive. It affected numerous research and educational efforts being crowned in 2009 with the opening of the Center for Forensic Sciences at the University of Split, currently the only institution that offers the specialized graduate program in the region. In addition, ISABS, our parent society, and the American Academy of Forensic Sciences agreed recently to forge scientific and academic ties to provide even more opportunities and access for the budding scientists.

As genetic technology in forensics overlaps with genetic anthropology, for the past decade we have included anthropologic sessions into the program. At the same time, Mayo Clinic joined the effort. It provided the critical link into the cutting-edge clinical applications of genetics. The overall effort culminated in the incorporation of individualized medicine as the third cornerstone, together with forensic and anthropologic genetics, of our programs. We feel this integration of the three areas, united by technology and applicative intent, provides an unprecedented opportunity for crosspollination. The more recent conferences in the series have amply vindicated this approach.

Not everything has been successful from the beginning. While the initial intent to encompass clinical applications was justified, the field simply had not been defined well enough to facilitate coherent programs. As personalized/individualized/precision medicine became a field in itself, recent conferences emphasize this area.

We have been fortunate with the fantastic support by the conference speakers, all undisputed leaders of their respective fields. Our mission would not have been possible without the loyal support by our sponsors. Our sincere heartfelt gratitude to them all!

For the last conference we passed the mantle of program directorship to Manfred Kayser and Tamás Ördög. They did an excellent job then and--we invite you to judge for yourself--for this conference too.

Building this conference series has not been always easy, but we believe the effort has been worthwhile. As we will enter the third decade of the series, we look forward to the new faces, new topics, continued enthusiasm and even deeper impact than that of the first two decades.

Welcome!

Dragan Primorac
Moses Schanfield
Stanimir Vuk-Pavlović
Conference Founders





Topics for 10th ISABS Conference

Genomics of Individualized medicine:

Biomarker discovery
Epigenetics and epigenomics in health and disease
Microbiome analysis in health and disease
Clinomics
Pharmacogenomics

Forensic Genetics:

Next Generation Sequencing (NGS) in Forensics
Advancements in Forensic DNA Routine
DNA Investigative Intelligence

Anthropology Genetics:

Ancient DNA
Migration history
Genetic adaptation

Contact Information:

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Web: www.isabs.hr
E-mail: info@isabs.hr

10th ISABS Conference Invited speakers:

Nobel Lectures:

Robert Huber (Nobel Prize in Chemistry 1988; Max-Planck-Institute, Martinsried, Germany)

Paul Modrich (Nobel Prize in Chemistry 2015, Duke University Medical Center, Durham, NC, USA)

Harald zur Hausen (Nobel Prize in Medicine 2008; German Cancer Research Center, University of Heidelberg, Heidelberg, Germany)

Ada Yonath (Nobel Prize in Chemistry 2009; Weizmann Institute of Science, Rehovot, Israel)

Inaugural Plenary Session:

Gianrico Farrugia (Mayo Clinic, Jacksonville, FL, USA) Individualized Medicine: From Promise To Practice

Eske Willerslev (University of Cambridge, UK and University of Copenhagen, Denmark): What we can learn from ancient genomics

Manolis Kellis (MIT Computer Science and Artificial Intelligence Laboratory, Massachusetts Institute of Technology, Cambridge, MA, USA and The Broad Institute of MIT and Harvard, Cambridge, MA, USA): Interpreting "Dark Matter" of the Human Genome in Complex Diseases

Walther Parson (Institute of Legal Medicine, Innsbruck Medical University, Innsbruck, Austria): From forensic genetics to forensic genomics

Special Plenary Lectures:

Anthony Atala (The Wake Forest Institute for Regenerative Medicine, Wake Forest University, Winston-Salem, NC, USA): The Future of Regenerative medicine

Turi King (University of Leicester, Leicester, United Kingdom): The incredible but true identification story of King Richard III

Jan van Deursen (Mayo Clinic, Rochester, MN, USA): Fundamental mechanisms of aging and aging-related diseases

Individualized medicine Program:





Amelie Bonnefond (Institut Pasteur de Lille, Lille, France):

Genetics of Type 2 Diabetes

Jiří Damborský (Masaryk University, Brno, Czech Republic):

Predicting phenotypically causal genomic variants

Nilufer Ertekin Taner (Mayo Clinic, Rochester, MN, USA): Genetics and epigenomics of Alzheimer's disease and progressive supranuclear palsy

Magnus Essand (Uppsala University, Uppsala, Sweden):

Cancer gene and immunotherapy

William Faubion (Mayo Clinic, Rochester, MN, USA):

Epigenetics of inflammatory bowel disease

Zdenko Herceg (Int. Agency for research on Cancer, Lyon, France):

Epigenetics and cancer: searching for angels and devils around our genes

Heidi Nelson (Mayo Clinic, Rochester, MN, USA):

Microbiome analysis in clinical medicine

Eric Klee (Mayo Clinic, Rochester, MN, USA):

Solving diagnostic Odyssey cases through genomics

Gordan Lauc (University of Zagreb & Genos Glycoscience Research Laboratory, Zagreb, Croatia): High-throughput glycomics for patient stratification: What did we learn from the first 50,000 analyses?

Grzegorz Nowakowski (Mayo Clinic, Rochester, MN, USA):

Promise and practice of individualized medicine in hematology

Tamas Ordog (Mayo Clinic, Rochester, MN, USA):

Metabolic control of transcriptional memory

Naveen Pereira (Mayo Clinic, Rochester, MN, USA):

Implementing pharmacogenomics in clinical practice

Leonard Petrucelli (Mayo Clinic, Jacksonville, FL, USA):

Genomics and epigenomics of amyotrophic lateral sclerosis (ALS) and frontotemporal dementia (FTD)

Dieter Saur (Technische Universität München, München, Germany):
Genetic animal models of carcinogenesis

Tim Spector (King's College London, London, England, United Kingdom):
Gut Microbiome in Twins

Stephen Thibodeau (Mayo Clinic, Jacksonville, FL, USA):
The Precision Medicine Initiative: challenges in biobanking

Raul Urrutia (Mayo Clinic, Rochester, MN, USA): Epigenetics of pancreatic cancer

George Vasmatazis (Mayo Clinic, Rochester, MN, USA): Genomic biomarkers

Zhiguo Zhang (Institute for Cancer Genetics, Columbia University, New York, NY, USA): Histone tail mutations in cancer

Vlatka Zoldoš (University of Zagreb Faculty of Science, Zagreb, Croatia):
Epigenetic editing using the CRISPR/Cas9 system and its applications in precision medicine

Eric Wieben (Mayo Clinic, Rochester, MN, USA):
Next-generation sequencing technologies and challenges

Forensic Genetics Program:

Frederick Bieber (Harvard Medical School and Brigham and Women's Hospital, Boston, MA, USA): DNA on Trial: interpretation of complex mixtures and courtroom admissibility

Wojciech Branicki (Jagiellonian University, Kraków, Poland): Epigenetic estimation of age in forensics

Bruce Budowle (University of North Texas, Health Science Center, Fort Worth, TX, USA): The expanding field of microbial forensics

Sandy Calloway (UC Davis, Davis, CA and Children's Hospital Oakland Research Institute, Oakland, CA, USA): Next Generation Sequencing of mixtures in forensic and prenatal DNA testing

Henry Erlich (Children's Hospital Oakland Research Institute, Oakland, CA, USA): ANext Generation Sequencing of clinically informative DNA mixtures

Wolfgang Haak (Max Planck Institute for the Science of Human History, Jena, Germany) (inv.)





Diana Hall (University Centre of Legal Medicine, University of Geneva and University of Lausanne, Switzerland): DIP-STRs for forensic mixture deconvolution

Mitch Holland (The Pennsylvania State University, State College, PA, USA): Next Generation Sequencing of mtDNA heteroplasmy in forensics and medicine

Mattias Jakobsson (Uppsala University, Uppsala, Sweden) (inv.)

Manfred Kayser (Erasmus University Medical Center, Rotterdam, The Netherlands): Recent advances in appearance genetics and impact on Forensic DNA Phenotyping

Peter de Knijff (Leiden University Medical Centre, Leiden, The Netherlands), Next Generation Sequencing of STRs for individual identification

Michael Kobor (University of British Columbia, Vancouver, Canada): Geographic structure of epigenetic variation (inv.)

Henry Lee (University of New Haven, New Haven, CT, USA): DNA and Other Advanced Technologies for Crime Scene Investigation

Jessica Metcalf (Colorado State University, Fort Collins, CO, USA): Estimating post-mortem interval with microbiome

Matthias Meyer (Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany), Tailor-made NGS for ancient DNA analysis

Rasmus Nielsen (University of California Berkeley, Berkley, CA, USA): Genetic adaptation to diet and climate in the Arctic

Timothy Palmbach (University of New Haven, New Haven, CT, USA): Use of DNA for border security, counter terrorism, and human rights

Antti Sajantila (Department of Forensic Medicine, University of Helsinki, Helsinki, Finland): Bones as the key to DNA virus history and epidemiology

Pontus Skoglund (Harvard University, Boston, MA, USA) (inv.)

Elmar Tobi (Wageningen University, Wageningen, The Netherlands)

Chris Tyler-Smith (Wellcome Trust Sanger Institute, Hinxton, United Kingdom): Genetic evidence of classic selective sweeps

About Dubrovnik

Sitting in the southernmost part of Croatia, harboring centuries of heritage created by the noble skills of the finest builders and artists, Dubrovnik is one of the most prominent tourist destinations in the Mediterranean Sea; it carries the appellation of the pearl of the Adriatic.

The prosperity of the city was historically based on maritime trade; as the capital of the maritime Republic of Ragusa, it achieved a high level of development, particularly during the 15th and 16th century, as it became notable for its wealth and skilled diplomacy. Dubrovnik used to be an independent, merchant republic for 700 years (abolished by Napoleon in 1806).

The old town was completed in the 13th century and remains virtually unchanged to the present day. Although severely damaged by an earthquake in 1667 and again in the 1990s by armed conflict, Dubrovnik managed to preserve its beautiful Gothic, Renaissance and Baroque churches, monasteries, palaces and fountains. Among variety of archaeological, historical and cultural monuments are 1,940 m long defensive walls (from 1979 inscribed into the UNESCO World Heritage List) which surround the city.

There are only two entrances to the old town which lead to Stradun, the city's promenade. From the Onofrio Fountain to the City bell tower, the filigree-like Gothic and Renaissance facades of the Sponza palace and Ducal palace, the Baroque church of St. Blasius (St. Blaise, or Sveti Vlaho as the locals call him, is the city patron), the Cathedral of the Assumption of Our Lady, or St. Ignatius and the Jesuit College, every step in this town will be an experience par excellence.

The city's glorious walls, fortresses and bastions offer a view of the magical Elaphite islands- Šipan, Lopud and Koločep, scattered like pearls in the azure of the sea.

With its remarkable history, Dubrovnik is a city that leaves nobody unmoved, so delighted by its beauty, George Bernard Shaw said "Those who seek paradise on Earth should come to Dubrovnik".





ISABS The First Twenty Years

About ISABS

International Society for Applied Biological Sciences (ISABS) is a non-profit organization founded to promote, enhance and extend research, development and education in molecular biology as applied to clinical and molecular medicine, focusing on, but not limited to, molecular genetics, genomics, proteomics, forensic and anthropological genetics, and biotechnology. Principal activities of the Society include:

- Advancing education in applied molecular biology;
- Fostering collaboration with scientific, academic and professional associations worldwide to facilitate communication and exchange of ideas;
- Organizing conferences, seminars, workshops, symposia and lectures locally, nationally and internationally;
- Funding short-term and long-term exchanges and visits for education and training of outstanding young and senior scientists in prominent institutions worldwide;
- Publishing scientific, educational and position papers, books and manuals for timely dissemination of relevant information on scientific, technical and public policy issues in pursuit of the goals and activities of the Society.

Mission

To contribute to the advancement of the biological sciences and applications of pertinent techniques and technologies by promoting, improving and extending all aspects of research; technological developments and educational activities in the fields of applied biological sciences and related areas and exchanging cutting-edge scientific content among scientists.

Vision

To intensify fundamental, applied and translational research. Provide new professional, bioethical and humane approaches to applied biological sciences by valuing new perspectives, opportunities, and supporting the analysis of ideas, practices, research, and technologies. Create collaborative scientific connections to bridge the gap between the challenges and opportunities of emerging technologies and applications as well as between diverse needs of researchers. Participate in the advancement of educational system activities and increase public awareness of applied biological sciences and technologies and their benefit and overall impact on society.

Logotype

ISABS logo evolved from the logo of the First European-American Intensive Course in Clinical and Forensic Genetics. It symbolized the link of European Union stars and the United States flag. As today scientists from more than 70 countries participate in ISABS activities, the logo has been redesigned to memorialize the origins of the Society and symbolize the connection among scientists all over the world.

History of ISABS

Prof. Dragan Primorac initiated the idea of ISABS at the American Academy of Forensic Sciences Annual Meeting in Nashville, Tennessee in February 1996. Prof. Moses Schanfield (George Washington University) joined Dr. Primorac to help organize the Society right away, followed soon by Prof. Stanimir Vuk-Pavlović (Mayo Clinic).

Although the first official assembly of the ISABS was held in 2004, the society actually started in 1997 by organizing The First European–American Intensive Course in PCR Based Clinical and Forensic Testing. This meeting's aim was to promote science and Croatia and has since been organized biennially, leaving a significant impact to the surrounding regions and beyond.

Importance of the meetings has grown continuously due to cutting-edge scientific content provided by the success in recruiting the most relevant scientific leaders. Since 2003, meetings have been organized with participation of Mayo Clinic (Rochester, Minnesota, USA) and University of Zagreb as codified by the Memorandum of Understanding between the two institutions.

To expand the scope of the program based on the foundational precept of applied genetics, the 2005 Dubronik Conference started including topics in molecular anthropology. This innovation accentuated the fact that forensic and anthropologic genetics share almost identical analytical technology and many interpretational concepts. The good reception of this topic led to the dedicated sessions first organized in Split in 2007. It was only natural to extend the scope of the program into cutting-edge topics in molecular medicine. In addition, interesting workshops and satellite symposia were held on prenatal diagnostics, protein glycosylation in diagnostics and therapy, legislation pertinent to DNA databases and DNA autopsy in unexplained deaths. To emphasize the role of



the Society in organizing the conference series, ISABS name was introduced into the name of the conference in 2007.

Since the first conference in Split in 1997 until the last in Bol in 2015 over 200 lecturers have been delivered to an cumulative audience of more than 2000 scientists from all over the world.

ISABS conferences are organized under the auspices of the Croatian Academy of Sciences and Arts.

In collaboration with the ISABS for the first time AAFS International Educational Outreach Program (IEOP) took place in Croatia as well as a joint forensic science panel.

Croatian Medical Journal

The official journal of the International Society for Applied Biological Sciences is Croatian Medical Journal (CMJ), an international peer reviewed journal open to scientists from all fields of medicine and related research. The CMJ is an open access journal that does not levy page charges. It is indexed in all pertinent biomedical indices. Since 2001, CMJ is dedicating a special issues to the biannual ISABS conferences Instructions for authors can be found at (www.cmj.hr) where you can access previous journal issues.

Awards

At each conference Young Investigator Award were presented for outstanding research presented by investigators under forty. A committee selects finalists from nominees who submit abstracts. In addition to an attractive prize and certificate, each recipient is given the opportunity for the podium presentation of the winning research.

Recipients of the ISABS Young Investigator Award

- 2015** **Dora Polšek**, Croatia (Individualised Medicine)
Barbara Zajac, Germany (Forensic Genetics)
Niraj Rai, India (Anthropological Genetics)
- 2013** **Matko Čančer**, Sweden (Gene therapy)
Dora Markulin, Croatia (Genome-based applications in forensic science)
Branka Gršković, Croatia (Genome-based applications in forensic science)
Slavé Petrovski, USA (Personalized genomics)
Antoinette Westen, The Netherlands (Genome-based applications in forensic science)
- 2011** **Rebecca S Just**, USA (Genome-based applications in forensic science)
Mark Barash, Australia (Forensic DNA phenotyping)
Renato Polimanti, Italy (Molecular anthropology)
Martina Smolić, Croatia (Molecular therapy)
- 2009** **Chiara Barbieri**, Germany (Molecular Anthropology)
Fernanda Gonçalves, Brasil (Individualised Medicine)
Pavlo Tatarsky, Ukraine (Individualised Medicine)
Antoinette Westen, The Netherlands (Forensic Genetics)
- 2007** **Grzegorz Kaczmarczyk**, Poland (Forensic Genetics)
Agnieszka Krzyżńska, Poland (Forensic Genetics)
Kaye Ballantyne, Australia (Molecular Anthropology)
Tomislav Domazet-Lošo, Croatia (Molecular Anthropology)
Coralie Frassati, Switzerland (Molecular Anthropology)
Taeko Kashima, Japan (Molecular Anthropology)
- 2005** **Caroline Round**, United Kingdom (Forensic Genetics)
Tracy Johnson, USA (Forensic Genetics)
Vedrana Montana, USA (Molecular and Cellular Medicine)
Mirela Baus Lončar, Germany (Molecular and Cellular Medicine)
- 2003** **Robert J. Shelton**, USA (Forensic Genetics)
Chiara Magri, Italy (Molecular and Cellular Medicine)
- 2001** **Lucia Cifuentes Ovalle**, Chile (Population Genetics)
Katja Drobnič, Slovenia (Forensic Genetics)
Tomasz Kupiec, Poland (Population Genetics)
Rima Dada, India (Molecular and Cellular Medicine)
Anna Gareeva, Russia (Molecular and Cellular Medicine)
Nguyen Hoai Giang, Vietnam (Molecular and Cellular Medicine)

Medal of Merit Award

- 2009** **Henry C Lee**, USA (For His Outstanding Contribution and Service in Forensic Science)





About Croatia

The Republic of Croatia is located in the heart of Europe at the intersection of the Mediterranean, Panonian and Dinaric influences. It's central geopolitical position prompted the rise of populations from the Paleolithic and later prehistoric cultures, through Illyrian tribes, Greeks and Romans, Slavs and Avars, Turks and numerous others leaving an impact on the history and contemporary character of Croatia.

Early Christianization of Croats contributed to their historic role in the disproportionately large role in the formation and preservation of Western civilization. Through many tumultuous centuries Croatia inherited a rich material and spiritual heritage, many of which are on the UNESCO list of world cultural heritage. In fact, Croatia proudly presents the longest list of protected nonmaterial cultural heritage in Europe; worldwide only China, Japan and Korea have longer lists. Visitors can enjoy the abundant virgin natural beauty among the relics of thousands of years of rich history.

Croatia offers excitingly different landscapes within a rather small territory. With 1,185 islands and islets, of which 66 are inhabited, and one of the most indented coastlines in Europe, the Adriatic Sea is undoubtedly a most popular tourist destination.



Previous ISABS Conference Locations

- **Zagreb**, the capital and political, economic, intellectual and cultural centre of Croatia is a vivacious European metropolis with well-preserved central European charm.
- **Split**, the second largest city in Croatia and the regional capital of Dalmatia was built inside and around the seventeen centuries old Diocletian's Palace and is included in the UNESCO world heritage list.
- **Dubrovnik**, a medieval aristocratic republic from the 12th to the 19th century and the best preserved walled city in the Mediterranean which Lord Byron named the "pearl of the Adriatic", is among Croatia's main tourist attractions and among only three European cities ranked as a World Heritage Site of the highest (zero) category by UNESCO.
- **Bol** is the oldest coastal settlement on the beautiful island Brač. To the west from Bol lies the beach Zlatni rat (Golden Horn), one of the largest and most beautiful attractions of the Adriatic. Like a small tongue it extends nearly half a kilometer into the clear blue sea.





1st conference

Split, September 23 – October 3, 1997

European-American Intensive Course in PCR Based Clinical and Forensic Testing

About the Conference

The aim of this conference was to enable all colleagues to learn about recent developments in the field of molecular biology, particularly in PCR. The first week contained the forensic session. Laboratory work included sample collection, screening of evidence, different approaches to DNA extraction from different tissues, DNA quantification, DNA amplification and detection, STRs and mitochondrial DNA analysis as well as statistical considerations. Additionally, invited lecturers covered different topics in their areas of expertise. The second week contained the clinical session with lectures and laboratory work including trinucleotide repeat diseases, SSCP analysis, sequencing of genomic DNA as well as in situ PCR hybridization. Again, lecturers covered topics that included prenatal diagnosis of genetic diseases, screening for mutations, different approaches for gene therapy as well as new diagnostic tools. We also organized a cruise and a field trip to enable informal scientific communication among the lecturers and attendees. We introduced Split to all participants as one of the most beautiful cities on the Adriatic Coast that was celebrating its one thousand seven hundredth birthday.



Topics/lectures

Forensic Genetics:

DNA Analysis in Criminal Investigation
The Role of the Forensic Pathologist in Preservation of DNA Evidence
Searching for Missing and Imprisoned Persons
Identification of Human Remains from Mass Graves
Analysis of the Mitochondrial DNA in Forensic Medicine
Introduction of the Analysis of Sexual Assaults
STR Analysis and Applications
Experience with AFLP in Forensic Cases

Molecular Medicine:

Molecular Basis of Genetic Diseases
Molecular Diagnosis, Monitoring and Therapy of Cancer
Fundamentals of the DNA Molecules in Electric Field and Fluorescent Detection
Methods
PCR Analysis of Gene Expression in Rare Cell Populations
Human Gene Therapy
Detection and Scanning of Mutations and Polymorphisms
Transgenes as Markers of Osteoblast Lineage Progression
Future Developments in Automated Human Genetic Analysis
Immunotherapy of Cancer
History of Human Genetics in Croatia

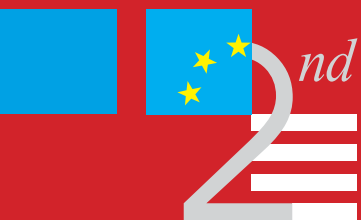
Number of participants

150

Number of countries

17





2nd conference

Dubrovnik, September 3 –14, 2001

European-American Intensive Course in Clinical and Forensic Testing

About the Conference

The 2001 conference was filled with a combination of progressive scientific talks from invited investigators in forensic and clinical medicine, as well as poster presentations of scientific abstracts.

The first part of the intensive course introduced current issues in forensic identity testing. The clinical section of the conference addressed issues relating gene therapy of cancer and inherited diseases, microarray and chip technology used in clinical diagnostic and related fields, as well as poster presentations of scientific abstracts. There was also a comprehensive educational program on the basic science and use of viral and non-viral vectors for gene transfer and expression in animals and patients, sessions on the design and performance of gene therapy clinical trials as well as the session on stem cells manipulation.



Topics

Forensic Identity Testing:

Innovations in DNA Typing Technologies

Identification of Human Remains by Use of Genomic and Mitochondrial DNA

DNA in the Court Room (Scientific, Statistical and Legal Aspects)

Analysis of STR's and Y Chromosome in Forensic Casework

Molecular Medicine:

New Molecular Diagnostic Approaches and Methods in Clinical Medicine:

Stem Cell and Progenitor Cell Engineering for Clinical Application

The Gene Therapy of Inherited Genetic Disease

The Gene Therapy of Cancer

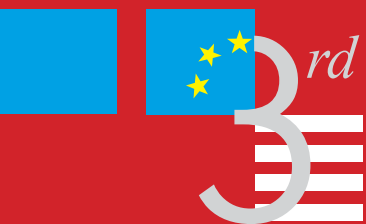
Number of participants

230

Number of countries

29





3rd conference

Zagreb, September 1 – 5, 2003

European-American School in Forensic Genetics and Mayo Clinic Course in Advanced Molecular and Cellular Medicine

About the Conference

The 2003 conference included plenary lectures by leaders in the field and poster presentations by participants. Programs in forensic medicine and in cellular and molecular medicine ran in parallel with the introductory and closing sessions held jointly. The Cellular and Molecular Medicine program was co-organized with the Mayo Clinic, Rochester, Minnesota, USA and University of Zagreb. Special hands-on workshops were offered by our sponsors Applied Biosystems and Roche Molecular Systems. Many plenary talks and selected papers were published in the Croatian Medical Journal, a publication listed in all major scientific indexes and two Young Investigator Awards were awarded.



Topics

Forensic Genetics:

Analysis of X and Y Chromosomes
Bioterrorism
DNA Analysis in Mass Disaster and Identification of Skeletal Remains
DNA Data Banks
DNA in the Court-room (Scientific, Statistical and Legal Aspects)
Ethical Issues in Forensic Science
Innovations in DNA Typing Technologies
Mitochondrial DNA Analysis
Plant and Animal DNA Typing
Statistics in Forensic Science

Molecular and Cellular Medicine:

Bioethics
Cell Engineering for Bone Marrow Transplants and Immunotherapy
Design of Clinical Trials
DNA Patenting
Genomics and Pharmacogenetics
Molecular Diagnostics
Proteomics
Stem Cells
Vector Design and Application (Gene Therapy)
Xenotransplantation

Number of participants

282

Number of countries

24





4th conference

Dubrovnik, Croatia, September 5 – 9, 2005

European-American School in Forensic Genetics and Mayo Clinic Course in Advanced Molecular and Cellular Medicine

About the Conference

The Conference included the latest advances in forensic and clinical genetics and related areas. Just as importantly, it was a forum for exchange of pertinent information, ideas and technical developments in the form of lectures, a technical hands-on workshop, round-table discussions and poster presentations. This conference in Dubrovnik offered cutting-edge scientific content enriched by the ethereal beauty of the historic Adriatic town.

The programs in forensic medicine and molecular and cellular medicine ran in parallel with the inaugural, methods and closing sessions held jointly. In keeping with tradition, the Program Committee bestowed four Young Investigator Awards.

In addition, on September 5th, the first assembly of the newly founded International Society for Applied Biological Sciences (ISABS; www.isabs.hr) was held to discuss and adopt the bylaws and elect officers. As in previous years, the Croatian Medical Journal was the official journal of the conference.



Topics

Forensic Genetics:

Frontiers of Applied Genetics and Molecular Biology
Forensic Evidence Recognition, Collection, Preservation
Interpreting and Reporting Forensic Evidence
Forensic Evidence in the Court of Law
New Technologies in Medical and Forensic Genetics
Forensic Evidence from Non-Human DNA
DNA in Homeland Security and Armed Forces
Biological Weapons and Biodefense

Molecular and Cellular Medicine:

Frontiers of Applied Genetics and Molecular Biology
Molecular Genetics in Identification, Characterization and Diagnosis of Disease
Advances in Genome-Based High Throughput Analysis
Virus and Gene Therapy
New Technologies in Medical and Forensic Genetics
Cellular and Immune Therapy
Cellular Graft Engineering
Biological Weapons and Biodefense

Number of participants

217

Number of countries

24





5th conference

Split, Croatia, September 3 – 7, 2007

Fifth ISABS Conference in Forensic Genetics and Molecular Anthropology

About the Conference

This year the International Society for Applied Biological Sciences (ISABS) took over the organization with the intent to remain the driving force for conferences in the future. The conference was highly successful. In addition, this conference solidified the idea of linking forensic genetics and anthropological genetics based on the similarity of laboratory methods and intertwining interpretive concepts. This conference continued as a forum for the exchange of scientific information, ideas and technical developments in an informal and beautiful setting.

The conference returned to the seventeen century old city of Split inspiring everyone by its blend of tradition and vibrancy of the Mediterranean.



Topics

Forensic Genetics:

Usage of the Newest Technologies and Genetic Markers in Forensic Genetics

Forensic Evidence Recognition, Collection, Preservation

Forensic Evidence from Non-Human DNA

DNA Identification of Victims of Mass Disasters – the Latest Approach

Molecular Anthropology:

Y-Chromosome Polymorphisms

Mitochondrial DNA Polymorphisms

Population Genetics Studies on Other Molecular and Phenotypical Markers

Usage of the Latest Methods in Molecular Anthropology

Advances in Genomic Methods

Revolutions in DNA Sequencing

Emergence of Non-coding Transcripts

Genes that Predict Cancer Outcome

IT for Analysis of 'Omics' Data

Number of participants

312

Number of countries

37





6th conference

Split, Croatia, June 1 – 5, 2009

Sixth ISABS Conference on Human Genome Project Based Applications in Forensic Science, Anthropology and Individualized Medicine

About the Conference

ISABS has strived to both focus and broaden the scope of the conference. The focus has been the application of cutting-edge analytical methodology in forensic science. However, the area of interest has been broadened by the introduction of molecular anthropology that, in large part, shares the methodology with forensic genetics. Individualized medicine has been introduced by selected topics of another applied discipline based on the advances in mapping of the human genome. As before, the conference was structured to allow close interaction of the international faculty and attendees as well as to introduce to the participants the city of Split, the ancient maritime capital of Croatia and a vibrant, modern Mediterranean city.



Topics

Forensic Science:

Perspectives in Genome-Based Science and Applications

Genome-Based Applications in Forensic Science

DNA Database: Reality and Perspectives

DNA Analysis in the Justice System

Anthropology:

Anthropology in Individualized Medicine

Human Evolution

Analysis of Ancient DNA

Molecular Medicine:

Individualized Medicine

Genetic Variability

Genetic Basis of Disease

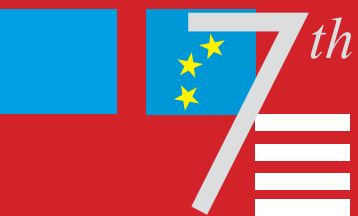
Number of participants

323

Number of countries

23





7th conference

Bol, Island of Brač, Croatia, June 20 – 24, 2011

7th ISABS Conference in Forensic, Anthropologic and Medical Genetics and Mayo Clinic Lectures in Translational Medicine

About the Conference

The focus of this conference was the application of molecular methodology in forensic science, anthropology and medical genetics. In the 2011 conference, we decided to include the newest and most interesting topics related to molecular medicine.

The conference was structured to allow close interaction of the international faculty and attendees through meet-the professor sessions, a day trip and other social occasions that were meant to enhance opportunities for scientific intercourse, but also to introduce the participants to the town of Bol, one of the best known tourist destinations in Croatia due to its unspoiled nature, beautiful beaches, cultural and historical attractions and well developed tourist and sport offers.



Topics

Forensic Genetics:

Genome-Based Applications in Forensic Science
Forensic DNA Phenotyping
Forensic DNA Databases
Genetic Analysis of Forensic Non-Human Material
Forensic and Comparative Genetics

Anthropologic Genetics:

Molecular Anthropology
Analysis of Ancient DNA
DNA Analysis in Victims of Mass Disasters

Medical Genetics and Traslational Medicine:

Genetic Basis of Disease
Personalized Genomics
Molecular Diagnostics: Current Technology and Applications
Molecular Therapy
Best Practices in Translational & Personalized Medicine

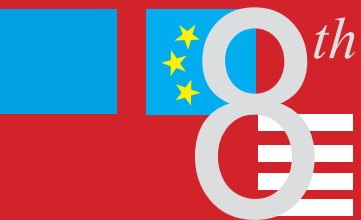
Number of participants

441

Number of countries

45





8th conference

Split, Croatia, June 24-28, 2013

8th ISABS Conference in Forensic, Anthropologic and Medical Genetics and Mayo Clinic Lectures in Translational Medicine

About the Conference

Congress was officially opened by the chief of the EU delegation in Croatia Paul Vandoren. During the congress, subjects such as „Cyber-crime“, DNA analysis in judiciary-medical practice, analysis of plant and animal DNA for the purpose of forensic testing, importance of DNA data bases in the discovery of criminal offenders, molecular anthropology and the research of the origin of nations, DNA identification of mass disaster victims and many others were covered.

In the clinical part of the congress topics covered the latest achievements in regenerative medicine, gene and cell therapy, individualized medicine, new molecular procedures and methodology for early detection of cancer, clinical importance of circulating tumor cells and immune therapy in cancer treatments.



Topics

Forensic Genetics:

New perspectives in Human Forensic Molecular Biology

Mass Catastrophes Managements

Crime Scene Investigation

Homeland Security

Archaeological Genetics

Genetic Genealogy

Gene Therapy

Mathematical Modeling in Cancer Immunotherapy

Genomics in Medicine

Pharmacogenomics and Drug Development

Stem Cells in Medicine

Regenerative Medicine

Ribosomes in Medicine

Science for the Young

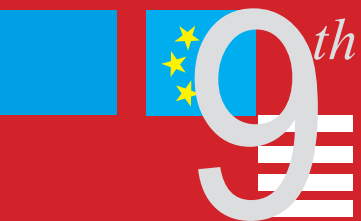
Number of participants

550

Number of countries

45





9th conference

Bol, Island of Brač, June 22-26, 2015

9th ISABS Conference in Forensic, Anthropologic and Medical Genetics and Mayo Clinic Lectures in Translational Medicine

About the Conference

In the clinical part of the congress topics covered the latest achievements in regenerative medicine, gene and cell therapy, individualized medicine, new molecular procedures and methodology for early detection of cancer, clinical importance of circulating tumor cells and immune therapy in cancer treatments. We were pleased to introduce up-to-date results in genomics of individualized medicine and in anthropology genetics concerning ancient and modern human genome history. Again, lecturers covered topics in forensic genetics with special emphasis on new knowledge in Next Generation Sequencing (NGS), DNA investigative intelligence, and advancements in forensic DNA routine. One of the invited speakers was Dr. Anthony Atala, one of the world's leading experts in the field of regenerative medicine. Dr. Atala led the team that developed the first lab-grown organ, a bladder, to be implanted into a human and is developing experimental fabrication technology that can "print" human tissue on demand. As before, the conference is structured to allow close interaction of the international faculty and attendees. Together with formal presentations, there was meet-the-professor sessions and other social occasions meant to enhance opportunities for scientific intercourse, but also to introduce the participants to the town of Bol, one of the best known tourist destinations in Croatia due to its unspoiled nature, cultural and historical attractions. As in previous years, the Croatian Medical Journal was the official journal of the conference.



Topics

Forensic Genetics:

Advances in forensic DNA identification
Disaster victim DNA identification
Molecular crime scene investigation
Forensic DNA phenotyping

Genetic Anthropology:

Genetic history of archaic and modern humans
Admixture genetics of archaic and modern humans
Genomic tracing of human population history
Genetics of human adaptations

Molecular Medicine:

Genetic Basis of Disease Organs on Demand
Molecular Therapy
Regenerative Medicine and Tissue Engineering Personalized Medicine

Number of participants

425

Number of countries

35



List of invited speakers

No	Name	Surname	Institution	Participated in Conference No. ¹
1	Zvia	Agur	Institute for Medical BioMathematics, Tel Aviv, Israel	8
2	Marie	Allen	University of Uppsala, Uppsala, Sweden	9
3	Antonio	Alonso	National Institute of Toxicology and Forensic Science, Madrid, Spain	2, 3, 4
4	Šimun	Anđelinović	University Hospital Split, Croatia	1
5	Theodore	Anderson	Armed Forces DNA Identification Laboratory, Armed Forces Institute of Pathology, Rockville, MD, USA; International Commission on Missing Persons, Sarajevo, Bosnia and Herzegovina	2, 3, 5
6	Anthony	Antala	The Wake Forest Institute for Regenerative Medicine, Wake Forest University, Winston – Salem, NC, USA	9
7	Darko	Antičević	University Hospital Center, Zagreb, Department of Orthopedics, Zagreb, Croatia	2
8	Kenneth	Aschheim	New York University, New York, NY, USA	8
9	Christopher	Asplen	Smith Alling Lane, London UK Gordon Thomas Honeywell Governmental Affairs, Washington, DC DNA 4 Africa, Chalfont, PA, USA Global Alliance for Rapid DNA Testing, Chalfont, Pennsylvania, USA	3, 4, 7, 8
10	Charles	Auffray	CNRS, Villejuif France	4
11	Jeremy	Austin	The University of Adelaide, Adelaide, Australia	9
12	Dušica	Babović-Vuksanović	College of Medicine, Mayo, Clinic, Rochester, MN, USA	7
13	Gideon	Bach	Hadassah University Hospital, Jerusalem, Israel	3
14	Michael	Baden	New York State Police, FSL, Albany, USA	1, 2, 3
15	Bostjan	Baebler	Clinical Hospital Ljubljana, Department of Orthopedics, Ljubljana, Slovenia	2
16	Kaye	Ballantyne	Victoria Police Forensic Services Department, Macleod, VIC, Australia	5, 8, 9
17	Jeff	Ban	Commonwealth of Virginia Criminal Justice System Division of Forensics Services, Richmond, VA, USA	2
18	Guido	Barbujani	University of Ferrara, Ferrara, Italy	9
19	Pavo	Barišić	Institute of Philosophy, Zagreb, Croatia	3
20	Melissa	Barker	Applied Biosystems, Foster City, CA, USA	6
21	Antonio	Bedalov	Fred Hutchinson Cancer Research Center, Seattle, WA, USA	2
22	Isaac	Ben-Israel	Tel Aviv University, Tel Aviv, Israel	8
23	Corina	Benschop	Netherlands Forensic Institute, Hague, The Netherlands	8
24	Zwi	Berneman	University of Antwerp, Antwerp, Belgium	7, 8
25	Frederick	Bieber	Harvard Medical School, Boston, MA, USA Brigham and Women's Hospital, Boston, MA, USA	2, 3, 4, 5, 6, 7, 8, 9
26	Andrea	Biondi	University of Milano, School of Medicine, Monza, Italy	1, 2
27	Chiara	Bonini	San Raffaele Scientific Institute, Milan, Italy	8
28	Nicolai	Bovin	Shemyakin & Ovchinnikov Institute of Bioorganic Chemistry, Moscow, Russian Federation	7
29	Christine	Boyer	Armed Forces DNA Identification Laboratory, Rockville, MD, USA	3
30	Malcolm	Brenner	Baylor College of Medicine, Houston, TX, USA	7, 8
31	Renier	Brentjens	Memorial Sloan-Kettering Cancer Center, New York, NY, USA	8
32	Fiona	Brew	Aflymetrix, London, UK Phil Danielson University of Denver, Denver, CO, USA	3
33	Bernd	Brinkmann	Institut für Rechtsmedizin, Münster, Germany	2
34	Zoran	Budimlija	Office of Chief Medical Examiner, New York, NY, USA	3, 4, 5, 6, 7, 8
35	Bruce	Budowle	FBI Laboratory, Quantico, VA, USA	1, 2, 3, 5, 9
36	Dean	Burgi	Genomix-Beckman Instruments Inc., Foster City, USA Molecular Dynamics, Sunnyvale, CA, USA	1, 2
37	Barbara	Butcher	Office of Chief Medical Examiner, New York, NY, USA	8

List of invited speakers

No	Name	Surname	Institution	Participated in Conference No.¹
38	Casandra	Calloway	Roche Molecular Systems, Alameda, CA, USA Children's Hospital & Research Center Oakland, Oakland, CA, USA	2, 3, 5, 6, 8
39	Harry	Campbell	University of Edinburgh, Edinburgh, Scotland, United Kingdom	8
40	Theresa	Caragine	New York City Office of Chief Medical Examiner NYC OCME Department of Forensic Biology, New York, NY, USA	4, 6, 7, 8
41	Angel	Carracedo	University of Santiago de Compostela, Santiago de Compostela, Spain	8
42	Frank	Ciaccio	National Transportation Safety Board, Washington, DC, USA	2
43	Aaron	Ciechanover	Nobel Prize in Chemistry 2004; Technion, Haifa, Israel	8
44	Michael	Coble	Armed Forces DNA Identification Laboratory, Rockville, MD, USA	6
45	Dave	Coffman	Florida Department of Law Enforcement, Tallahassee, FL, USA	3
46	Laurence	Cooper	MD Anderson Cancer Center, Houston, Texas, USA	8
47	Cecelia	Crouse	Palm Beach Sheriff's Office, Palm Beach, FL, USA	2, 4
48	Ivan	Damjanov	University of Kansas School of Medicine, Kansas City, USA	1
49	Yasser	Daoudi	Applied Biosystems, Foster City, CA, USA	3
50	Tracy	Dawson	George Washington University, Washington, DC, USA	3
51	Peter	de Knijff	Leiden University, Leiden, The Netherlands	2, 8
52	Peter	de Waele	Cardio3 Biosciences, Mont-Saint-Guibert, Belgium	8
53	Robert	Deans	Athersys Inc, Cleveland, Ohio, USA	8
54	Ranjan	Deka	University of Cincinnati College of Medicine, Cincinnati, OH, USA	5
55	Zlatko	Dembić	The National Hospital, University of Oslo, Norway	1
56	George	Dickson	School of Biological Sciences Royal Holloway University of London, Egham, UK	2
57	Allan B.	Dietz	Mayo Clinic College of Medicine, Rochester, MN, USA	1, 2, 3, 4
58	Pero	Dimsoski	Applied Biosystems, Foster City, CA, USA	3
59	Tomislav	Domazet-Lošo	Ruder Boskovic Institute, Zagreb, Croatia	5
60	Katja	Drobnič	Faculty of Criminal Justice and Security, UM and National forensic laboratory, MNZ Slovenia	5, 7, 8
61	Boro	Dropulić	Johns Hopkins, Baltimore, MD, USA	1
62	Arthur	Eisenberg	University of North Texas Health Science Center, Fort Worth, TX, USA	2
63	Moran	Elishmereni	Institute for Medical BioMathematics, Bene Ataroth, Israel	7, 8
64	Nilufer	Ertekin-Taner	Mayo Clinic, Jacksonville, FL, USA	9
65	Henry	Erllich	Roche Molecular Systems, Inc., Alameda, CA, USA	2, 4, 5, 6, 7, 8, 9
66	Christopher	Evans	Center for Advanced Orthopaedic Studies, Harvard Medical School, Boston, MA, USA	7
67	Matthew	Ferber	College of Medicine, Mayo Clinic, Rochester, MN, USA	7
68	Santo Davide	Ferrara	University of Padua, Padua, Italy	8
69	Benjamin	Figura	Office of Chief Medical Examiner, New York, NY, USA	8
70	Michael	Frank	Duke University, Durham, NC, USA	4
71	Coralie	Frassati	Department of Anthropology and Ecology, University of Geneva, Switzerland	5
72	Dan	Frumkin	Nucleix Inc., Tel Aviv, Israel	8
73	Matthew	Gabriel	San Mateo County Sheriff's Office, Forensic Laboratory, San Mateo, CA, USA	2
74	Eithan	Galun	Hadassah University Hospital, Jerusalem, Israel Hebrew University, Jerusalem, Israel	3, 6
75	Gale	Gardiner	National Center for Health Statistics, Hyattsville, MD, USA	1
76	Mauro	Gasparini	Politecnico di Torino, Torino, Italy	8

List of invited speakers

No	Name	Surname	Institution	Participated in Conference No. ¹
77	Dennis	Gastineau	Mayo Clinic College of Medicine, Rochester, MN, USA	3, 7
78	Nils	Gerke	Eppendorf AG, Hamburg, Germany	5
79	Arezou	Ghazani	Harvard Medical School and Massachusetts General Hospital, Boston, MA, USA	7, 8
80	Dennis	Gilbert	Applied Biosystems, Foster City, CA, USA	3
81	Eli	Gilboa	Duke University, Durham, NC, USA	4
82	Peter	Gill	The Forensic Science Service, Birmingham, UK	2
83	Francis	Glorieux	McGill University, Shriners Hospital for Children, Montréal, QC, Canada	2, 3
84	David	Goldstein	Duke University, Durham, North Carolina, USA	8
85	Dora	Gransden	Promega, Madison, Wisconsin, USA	4
86	Esther	Guetta	Danek Gertner Institute of Human Genetics, Sheba Medical Center, Tel-Hashomer, Israel	7
87	Cordula	Haas	Institute of Legal Medicine, University of Zürich, Zürich, Switzerland	8
88	Karin	Halevi	Institute for Medical BioMathematics, Bene Ataroth, Israel,	7
89	Joy	Halverson	QuestGen Forensics, Davis, CA, USA	4
90	Rebecca	Hamm	Armed Forces DNA Identification Laboratory, Rockville, MD, US	3
91	Michael F.	Hammer	University of AZ, Tucson, USA	4, 6
92	John	Hannover	National Institutes of Health, Bethesda, Maryland, USA	8
93	Andreas	Hellmann	Bundeskriminalamt, Kriminaltechnisches Institut, KT32, Wiesbaden, Germany	5
94	Carol	Henderson	Stetson University College of Law, Gulfport, FL, USA	7
95	Jürgen	Henke	Institut für Blutgruppenforschung, Köln, Germany	1, 2, 3, 4
96	Lotte	Henke	Institut für Blutgruppenforschung, Köln, Germany	2
97	Thierry	Hennet	Institute of Physiology, University of Zürich, Zürich, Switzerland	7
98	Zdenko	Herceg	Int. Agency for research on Cancer, France	9
99	Evelyne	Heyer	National Museum of Natural History in Anthropology Genetics, Paris, France	9
100	Manfred	Hochmeister	Department of Forensic Medicine, Bern, Switzerland,	1
101	Michi	Hofreiter	University of Potsdam, Potsdam, Germany	9
102	Paula	Hoffman Wulff	American Prosecutors' Research Institute, Alexandria, VA, USA	4
103	Carsten	Hohoff	Institut für Rechtsmedizin, Münster, Germany	2
104	Charity	Holland	The Bode Technology Group, Inc., Springfield, VA, USA	2, 3
105	Mitchell	Holland	Armed Forces Institute of Pathology, Rockville, MD, USA The Bode Technology Group, Inc., Springfield, VA, USA Forensic DNA Consultants, Manassas, VA, USA Eberly College of Science, Penn State University, PA, USA	1, 2, 3, 4, 5, 6, 7, 8, 9
106	Robert	Huber	Nobel Prize in Chemistry 1988, Max Planck Institute for Biochemistry, Martinsried, Germany, USA	4, 8, 9
107	Edwin	Huffine	International Commission on Missing Persons, Sarajevo, Bosnia and Herzegovina The Bode Technology Group Inc., Springfield, VA, USA	2, 3, 4, 5, 6
108	Volker	Huppert	Miltenyi Biotec GmbH, Bergisch Gladbach, Germany	2
109	Mattias	Jakobsson	Uppsala University, Uppsala, Sweden	9
110	David	James	Mayo Clinic College of Medicine, Rochester, MN, USA	4
111	Michael	Jensen	Seattle Children's Hospital, Seattle, Washington, USA	8
112	Marty	Johnson	Applied Biosystems, Foster City, CA, USA	3
113	Mark	Jobling	University of Leicester, Leicester, United Kingdom	9
114	Susan	Jones	US Armed Forces Institute of Pathology, Washington, DC, USA	4

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No	Name	Surname	Institution	Participated in Conference No.¹
115	Stipan	Jonjic	School of Medicine, University of Rijeka, Rijeka, Croatia	7
116	Rebecca	Just	Armed Forces DNA Identification Laboratory, Armed Forces Institute of Pathology, Rockville, MD, USA	5
117	Grzegorz	Kaczmarczyk	Department of Molecular Biology and Clinical Genetics, Internal Medicine, Krakow, Poland	5
118	Tea	Kalebić	NCI, NIH, Bethesda, MD, USA	1
119	Francis	Kalush	Center for Devices and Radiological Health, Rockville, MD, USA	6
120	Sree	Kanthalaswamy	CA National Primate Research Center, University of CA, Davis, CA, USA	6, 7, 9
121	Taeko	Kashima	Department of Biological Sciences, Graduate School of Science, University of Tokyo, Tokyo, Japan	5
122	David	Kaye	Eberly College of Science, Penn State University, PA, USA	7, 8
123	Manfred	Kayser	Erasmus MC - University Medical Center Rotterdam, Rotterdam, The Netherlands	7, 8, 9
124	Janet	Kelso	Max Planck Institute, Department for Evolutionary Genetics, Leipzig, Germany	9
125	Linda B.	Kenney	Forensic Lawyer, Red Bank, NJ, USA	2, 3
126	Eliza	Khusnutdinova	Institute of Biochemistry and Genetics, Ufa, Bashkortostan, Russian Federation	5
127	Turi	King	University of Leicester, United Kingdom	9
128	John	Kisiel	Mayo Clinic, Rochester, MN, USA	9
129	Toomas	Kivisild	University of Cambridge, Cambridge, United Kingdom	9
130	Ofer	Klein	Rebecca Sieff Medical Center and BioCep, Ltd., Safed, Israel	7
131	Jean-Pierre	Kocher	Mayo Clinic College of Medicine, Rochester, MN, USA	5, 6, 7
132	Yuri	Kogan	Institute for Medical BioMathematics, Tel Aviv, Israel	7, 8
133	Manish	Kohli	Mayo Clinic, Rochester, Minnesota, USA	8
134	Ivica	Kostović	Zagreb University School of Medicine, Zagreb, Croatia	1
135	Benjamin	Krenke	Promega Corporation, Madison, WI, USA	2
136	Agnieszka	Krzyżńska	Molecular Technique Unit, Department of Forensic Medicine, Wrocław Medical University, Wrocław, Poland	5
137	Milovan	Kubat	Zagreb University School of Medicine, Zagreb, Croatia	1
138	Gunnar	Kvalheim	Norwegian Radium Hospital, University of Oslo, Oslo, Norway	7, 8
139	Greggory	LaBerge	Denver Police Department and University of Colorado Health Sciences Center, Denver, CO, USA	3
140	Marc	Ladanyi	Memorial Sloan-Kettering Cancer Center, New York, NY, USA	2
141	Carll	Ladd	Connecticut State Police, Connecticut Forensic Science Laboratory, Meriden, CT, USA	2, 3
142	Doron	Lancet	The Weizmann Institute of Science, Rehovot, Israel	3, 4, 6, 7, 8
143	Gordan	Lauc	Faculty of Pharmacy and Biochemistry, University of Zagreb, Croatia	7, 8, 9
144	Demris	Lee	Armed Forces DNA Identification Laboratory, Rockville, MD, USA	4
145	Henry	Lee	Connecticut State Police, Connecticut Forensic Science Laboratory, Meriden, CT, USA The Henry C. Lee College of Criminal Justice and Forensic Sciences, University of West Haven, CT, USA	1, 2, 3, 4, 5, 6, 7, 8
146	Dirk	Lefebber	Radboud University, Nijmegen, The Netherlands	8
147	Hakon	Leffler	Lund University Hospital Solvegatan, Lund, Sweden	7
148	Hans	Lehrach	Max Planck Institute for Molecular Genetics, Berlin, Germany	4
149	Alexander	Lichtler	University of Connecticut School of Medicine, Farmington, CT, USA	2
150	Debang	Liu	Oligotrail, LLC, Evanston, IL, USA	2
151	José Antonio	Lorente	University of Granada, Granada, Spain	2, 3, 4, 5, 6
152	Stephen	Lupton	Promega Corporation, Madison, WI, USA	3
153	Slobodan	Macura	Mayo Clinic, Rochester, MN, USA	3

List of invited speakers

No	Name	Surname	Institution	Participated in Conference No. ¹
154	Henning	Madiy	Saarland University Hospital and Saarland University of Medicine, Hamburg, Germany	7
155	Nino	Margetić	National Centre for Genotyping, Paris, France	3
156	Damir	Marjanović	Institute for Anthropological Research, Zagreb, Croatia; International Burch University, Sarajevo, Bosnia and Herzegovina; Faculty of Science, University of Sarajevo, Sarajevo, Bosnia and Herzegovina	5, 6, 7, 9
157	Laszlo	Mark	Institute of Biochemistry and Medical Chemistry, University of Pecs, Pecs, Hungary	5
158	Alemka	Markotić	Institute of Immunology, Zagreb, Croatia University Hospital for Infectious Diseases "Dr. Fran Mihaljević" School of Medicine, University of Rijeka, Croatia	4
159	Massimo	Martelli	University of Perugia, Perugia, Italy	2
160	Boris	Martinac	Victor Chang Cardiac Research Institute, Sydney, NSW, Australia	7
161	Irena	Martinović Klarić	Institute for Anthropological Research, Zagreb, Croatia	5
162	Ana	Marušić	School of Medicine, University of Zagreb, Croatia	2
163	Tonči	Matulić	School of Catholic Theology, Zagreb, Croatia	3
164	Thomas	Meitinger	Institute of Human Genetics, Technical University, Munich GSF National Research Institute, Neuherberg, Germany	3
165	Terry	Melton	Mitotyping Technologies, LLC, State College, PA, USA	2, 3
166	Marilyn	Menotti-Raymond	Laboratory of Genomic Diversity, National Cancer Institute, Frederick, MD, USA	2, 3, 5, 7
167	Matthias	Meyer	Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany	9
168	Rebecca	Mikulasovich	NYC Office of Chief Medical Examiner, New York, NY, USA	5
169	Heather	Miller Coyle	Coyle Connecticut State Police, Connecticut Forensic Science Laboratory, Meriden, CT, USA	2, 3, 4
170	Adele	Mitchell	Office of Chief Medical Examiner of New York City, New York, NY, USA	6
171	Mehdi	Moini	Smithsonian Institution, Museum Conservation Institute, Suitland, MD, USA	9
172	Steven	Moran	Mayo Clinic, Rochester, Minnesota, USA	8
173	Stephen	Morse	Center for Disease Control and Prevention, Atlanta, Georgia, USA	4
174	Monica	Mottes	University of Verona, Verona, Italy	2
175	Thomas	Mozer	Promega Corporation, Madison, WI, USA	2
176	John R.	Myriad	Genetic Laboratories, Salt Lake City, UT, USA	3
177	Erika	Nagle	Department of Medical Biology and Genetics, Riga Stradins University, Riga, Latvia	5
178	Frans	Nauwelaers	BD Biosciences Europe, Erembodegem, Belgium	2
179	Tahnee M.	Nelson	San Francisco Police Department, San Francisco, CA, USA	5
180	Garth	Nicolson	Institute for Molecular Medicine, Huntington Beach, CA, USA	4
181	Falk	Nimmerjahn	Friedrich-Alexander University Erlangen-Nuremberg, Erlangen, Germany	8
182	Dean	Nižetić	University of London, School of Pharmacy, London, UK	2, 3
183	John	Novembre	The University of Chicago, Chicago, USA	9
184	Brenda	Ogle	Mayo Clinic College of Medicine, Rochester, MN, USA	4
185	Nicola	Oldroyd	Applied Biosystems Europe, Warrington, UK	2, 4
186	Tamas	Ordog	Mayo Clinic, Rochester, MN, USA	9
187	Timothy	Palmbach	Connecticut State Police, Meriden, CT, USA	3, 7, 8, 9
188	Giorgio	Palù	University of Padova, Padova, Italy	7
189	Vladimir	Parpura	University of CA, Riverside, CA, USA	4
190	Walther	Parson	Institute of Legal Medicine, Innsbruck, Austria	2, 3, 8, 9

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No	Name	Surname	Institution	Participated in Conference No.²
191	Thomas	Parsons	Armed Forces Institute of Pathology, DNA Identification Laboratory, Rockville, MD, USA International Commission of Missing Persons, Sarajevo, Bosnia and Herzegovina	2, 4, 5, 6, 9
192	Vincenzo	Pascali	Catholic University of the Sacred Heart, Rome, Italy	3
193	Giuseppe	Passarino	Department of Cell Biology, University of Calabria, Rende, Italy	5
194	Kresimir	Pavelić	Institute Ruder Boskovic, Zagreb, Croatia	1, 2, 3
195	Madhusudan	Peshwa	Dendreon Corporation, Seattle, WA , USA	2
196	Chris	Phillips	University of Santiago de Compostela, Institute of Legal Medicine, Santiago de Compostela, Spain	9
197	Pier Franco	Pignatti	Institute of Biology and Genetics University of Verona, Italy	1, 2, 3
198	Jef	Pinxteren	ReGenesys, Heverlee, Belgium	7
199	Mario	Pirastu	Institute of Population Genetics, National Research Council, C.N.R., Alghero and Sharda Lite Sciences Cagliari, Italy	5
200	Haskell	Pitluck	McHenry County Circuit Court, Woodstock, IL, USA	2, 3
201	Doros	Platika	Centogenetix, Cambridge, MA, USA	3
202	Jeffrey	Platt	Mayo Clinic College of Medicine, Rochester, MN, USA	3, 4
203	Gregory	Poland	Mayo Clinic College of Medicine, Rochester, MN, USA	4
204	Giulio	Pompilio	University of Milan, Milan, Italy	7
205	Tanja	Popović	Centers for Disease Control and Prevention, Atlanta, GA, USA	3
206	Elon	Pras	Sheba Medical Center, Tel Hashomer, Israel	8
207	Franklyn	Prendergast	Mayo Clinic, Rochester, Minnesota, USA	8
208	Dragan	Primorac	University of Split and University of Osijek, Croatia The Pennsylvania State University and University of New Haven, USA	1, 2, 3, 4, 7, 8, 9
209	Mechthild	Prinz	Office of Chief Medical Examiner, New York, NY, USA	2, 3
210	Aline	Probst	Clermont – Ferrant, France	9
211	Kay	Pruefer	Max Planck Institute, Department for Evolutionary Genetics, Leipzig, Germany	9
212	Raj	Puri	Food and Drug Administration, Bethesda, MD, USA	3
213	Miroslav	Radman	Jacob Manod Institute, Paris, France University of Paris V, Medical School Necker, Paris, France	1, 2
214	Yoel	Rak	Tel-Aviv University, Tel Aviv, Israel	8
215	Jorge	Rakela	Mayo Clinic, Scottsdale, AZ, USA	9
216	Danica	Ramljak	NCI, NIH, Frederick, MD, USA	1
217	Erdmann	Rapp	Max Planck Institute for Dynamic of Complex Technical Systems in Magdeburg, Germany	7
218	Dražen	Raucher	University of Mississippi, Jackson, Mississippi, USA	8
219	Dennis	Reeder	Applied Biosystems, Foster City, CA, USA	2
220	Ronald	Reinstein	Supervising Criminal Court, Maricopa County, AZ, USA	4
221	Yair	Reisner	The Weizmann Institute of Science, Rehovot, Israel	2, 4
222	Rebecca	Reynolds	Roche Molecular Systems, Inc., Alameda, CA, USA	2
223	Richard J,	Roberts	1993 Nobel Prize in Physiology or Medicine New England Biolabs, Ipswich, MA, USA	6
224	Keith	Robertson	Mayo Clinic, Rochester, MN, USA	9
225	Lutz	Roewer	Institute of Legal Medicine, Charité University of Medicine, Berlin, Germany	5, 9
226	Doug	Ross	Stanford University School of Medicine, Stanford, CA, USA	2
227	David	Rowe	University of Connecticut School of Medicine, Farmington, CT, USA	2, 3

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No	Name	Surname	Institution	Participated in Conference No. ¹
228	Pavao	Rudan	University of Zagreb, Zagreb, Croatia Institute for Anthropological Research, Zagreb, Croatia	4, 5
229	Igor	Rudan	University of Edinburgh, Edinburgh, Scotland, United Kingdom	8
230	Pauline	Rudd	The National Institute for Bioprocessing Research and Training, Dublin, Ireland	7
231	Stephen	Russell	Mayo Clinic, Rochester, MN, USA	3
232	Antti	Sajantila	Department of Forensic Medicine, University of Helsinki, Helsinki, Finland	3, 5, 6, 7, 8, 9
233	Isobel	Scarisbrick	Mayo Clinic, Rochester, Minnesota, USA	8
234	Moses	Schanfield	Analytical Genetic Testing Center, Denver, CO, USA Monroe County Public Safety Laboratory, Rochester, NY USA George Washington University, Washington, DC, USA	1,2 3,4,7,8
235	Carina	Schlebsuch	Uppsala University, Uppsala, Sweden	9
236	Edgar	Schreiber	Celera Diagnostics, Alameda, CA, USA	3
237	Theodor	Schurr	University of Pennsylvania, School of Arts and Sciences, Philadelphia, USA	9
238	Dagmar	Schuster	Perkin Elmer, European Life Science Center, Langen, Germany	1
239	Michal	Schwartz	The Weizmann Institute of Science, Rehovot, Israel	2
240	Aleksandar	Sekulic	Mayo Clinic, Scottsdale, AZ, USA	6
241	Eliezer	Shalev	Rappaport Faculty of Medicine, Technion-Israel Institute of Technology, Haifa, Israel	7
242	Stavit A.	Shalev	Human Genetic Center, Ha'emek Medical Center, Afula Technion-Israel Institute of Technology, Haifa, Israel	7
243	Rafael	Sierra	Mayo Clinic, Rochester, Minnesota, USA	8
244	Artemis	Simopoulos	The Center for Genetics, Nutrition and Health, Washington, DC, USA	7
245	Sudhir	Sinha	ReliaGene Technologies, Inc, New Orleans, LA, USA	2
246	Paul	Sledzik	National Museum of Health and Medicine, AFIP, Washington, DC, USA	2
247	Alan	Smith	Osiris Therapeutics, Inc., Baltimore, MD, USA	2
248	Brion C.	Smith	Armed Forces DNA Identification Laboratory, Armed Forces Institute of Pathology, Rockville, MD, USA	5
249	David I.	Smith	Mayo Clinic College of Medicine, Rochester, MN, USA	4, 6, 7, 8
250	Debbie	Smith	Williamsburg, VA, USA	4
251	Davor	Solter	Max Planck Institute of Immunobiology, Freiburg, Germany	2, 3, 4
252	Tim	Spector	Kings College London, London, England, United Kingdom	8, 9
253	Mark	Spigelman	Tel Aviv, Israel	6
254	Ana	Stavljenić Rukavina	Clinical Institute of Laboratory Diagnostics, Zagreb, Croatia	1
255	Kári	Stefánsson	deCODE Genetics, Reykjavik, Iceland	6
256	Daniela	Steinberger	Institute of human genetics, Justus Liebig University, Giessen and biologis, Frankfurt am Main, Germany	7
257	Mark	Stoneking	Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany	4, 7, 9
258	Branimir	Šikić	Stanford University School of Medicine, Stanford, CA, USA	1,2
259	Igor	Štagljar	University of Toronto, Toronto, Ontario, Canada	4
260	Poonam	Taneja	Molecular Devices, MDS Analytical Technologies Sunnyvale, CA, USA	5
261	Raimo	Tanzi	Applied Biosystems Europe, Monza, Italy	2, 4
262	Ron	Tepper	Sapir Medical Center, Kfar Saba, Israel	7
263	Andre	Terzic	Mayo Clinic College of Medicine, Rochester, MN, USA	4, 6, 7, 8
264	Carmen	Terzic	College of Medicine, Mayo Clinic, Rochester, MN, USA	7, 8
265	L. David	Tomei	Xenomics Inc., Richmond, CA, USA	3
266	Christine	Tomsey	Pennsylvania State Police, Greensburg, PA, USA	2

List of invited speakers

No	Name	Surname	Institution	Participated in Conference No.*
267	Martin	Tracey	Florida International University, Miami, FL, USA	2
268	Petros	Tsipouras	University of Connecticut School of Medicine, Farmington, CT, USA	1, 2, 3
269	Chris	Tyler-Smith	CRC Chromosome Molecular Biology Group, Department of Biochemistry, University of Oxford, Oxford, UK	2, 9
270	Irina	Udina	N.I. General Genetics Institute RAS, Moscow, Russian Federation	5
271	Peter	Underhill	Stanford University Medical Center, Stanford, CA, USA	3, 5, 7, 8
272	Peter	Vallone	National Institute of Standards and Technology, Gaithersburg, Maryland, USA	8
273	Angela	van Daal	Faculty of Health Sciences & Medicine, Bond University, Gold Coast, Queensland, Australia	5
274	Pieter	van Oers	Applied Biosystems, Foster City, USA	5
275	Roland	Van Oorschot	Victoria Police Forensic Services Department, Macleod, Victoria, Australia	9
276	Daniel	Vanek	Forensic DNA Service, Prague, Czech Republic	5, 6, 7, 9
277	George	Vasmatzis	Mayo Clinic College of Medicine, Rochester, MN, USA	5, 6, 7
278	Richard	Villems	Institute of Molecular and Cell Biology, University of Tartu Estonian Biocentre, Tartu, Estonia	5, 7, 8
279	Samuel	Volchenboum	University of Chicago, Chicago, IL, USA	7
280	Slobodan	Vukičević	Zagreb University School of Medicine, Zagreb, Croatia	1, 2
281	Stanimir	Vuk-Pavlović	Mayo Clinic College of Medicine, Rochester, MN, USA	1, 2, 3, 4, 7, 8
282	Scott A.	Waldman	Thomas Jefferson University, Philadelphia, Pennsylvania, USA	6, 8
283	Richard	Weinshilboum	Mayo Clinic, Rochester, MN, USA	3
284	Patrick	Willems	Synergene, Mechelen, Belgium	3
285	Eske	Willerslev	University of Copenhagen, Copenhagen, Denmark	7
286	Erin	Williams	Foundation for Genetic Medicine, Inc., Manassas, VA, USA Foundation for Genetic Medicine, Reston, VA, USA	2, 3
287	Catherine	Wu	University of Connecticut School of Medicine, Farmington, CT, USA	2, 3
288	George	Wu	University of Connecticut School of Medicine, Farmington, CT, USA	2, 3, 7
289	Manfred	Wuhrer	Leiden University Medical Center, Leiden, The Netherlands	7
290	Elisa	Wurmbach	New York City Office of Chief Medical Examiner NYC OCME Department of Forensic Biology, New York, NY, USA	6
291	Yaki	Xue	Wellcome Trust Sanger Institute, Hinxton, UK	9
292	Simcha	Yagel	Hadassah Medical Center, Hebrew University of Jerusalem, Jerusalem, Israel	7, 8
293	Michael	Yaszenski	Mayo Clinic, Rochester, Minnesota, USA	
294	Carl	Yeoman	Montana State University, Bozeman, MT, USA	9
295	Ada	Yonath	Nobel Prize in Chemistry 2009; Weizmann Institute of Science, Rehovot, Israel	8
296	Kristin	Young	University of Kansas Medical Center, Kansas City, KS, USA	7
297	Dušan	Zečević	Zagreb University School of Medicine, Zagreb, Croatia	1
298	Ljiljana	Zergollern-Čupak	Zagreb University School of Medicine, Zagreb, Croatia	1
299	Raphael	Zidovetzki	University of California Riverside, Riverside, California, USA	8
300	Vlatka	Zoldoš	University of Zagreb, Zagreb, Croatia	8, 9
301	Richard	Zehner	Johann Wolfgang Goethe – University, Institute for Forensic Medicine, Frankfurt, Germany	9

* **Conference No. 1** (European-American Intensive Course in PCR Based Clinical and Forensic Testing, Split, September 23 - October 3, 1997)

Conference No. 2 (European-American Intensive Course in Clinical and Forensic Testing, Dubrovnik, September 3 -14, 2001)

Conference No. 3 (European-American School in Forensic Genetics and Mayo Clinic Course in Advanced Molecular and Cellular Medicine, Zagreb, September 1 - 5, 2003)

Conference No. 4 (European-American School in Forensic Genetics and Mayo Clinic Course in Advanced Molecular and Cellular Medicine, Dubrovnik, Croatia, September 5 - 9, 2005)

Conference No. 5 (Fifth ISABS Conference in Forensic Genetics and Molecular Anthropology, Split, Croatia, September 3 - 7, 2007)

Conference No. 6 (Sixth ISABS Conference on Human Genome Project Based Applications in Forensic Science, Anthropology and Individualized Medicine, Split, Croatia, June 1 - 5, 2009)

Conference No. 7 (Seventh ISABS Conference in Forensic, Anthropologic and Medical Genetics and Mayo Clinic Lectures in Translational Medicine, Bol, Island of Brač, Croatia, June 20 - 24, 2011)

Conference No. 8 (Eighth ISABS Conference on Forensic, Anthropologic and Medical Genetics and Mayo Clinic Lectures in Translational Medicine, Split, Croatia, June 24-28, 2013)

Conference No. 9 (Ninth ISABS Conference on Forensic, Anthropologic and Medical Genetics and Mayo Clinic Lectures in Translational Medicine, Bol, Island of Brač, June 22-26, 2015)

List of YIA speakers

No	Name	Surname	Institution	Participated in Conference No.
1	Kaye	Ballantyne	Victoria Police Forensic Services Department, Macleod, VIC, Australia Genetics Department, La Trobe University, Bundoora, VIC, Australia	7
2	Mark	Barash	Bond University, Gold Coast, Australia	7
3	Chiara	Barbieri	Department of Experimental Evolutionary Biology, University of Bologna, Italy Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany	9
4	Mirela	Baus Lončar	Medical Division of Molecular Genetics, School of Medicine, University of Tübingen, Tübingen, Germany	4
5	Lucia	Cifuentes Ovalle	Programa de Genética Humana, ICBM, Facultad de Medicina, Universidad de Chile, Santiago, Chile,	2
6	Matko	Čančer	Uppsala University, Uppsala, Sweden	8
7	Rima	Dada	All India Institute of Medical Sciences, New Delhi, India	2
8	Tomislav	Domazet-Lošo	Ruđer Bošković Institute, Zagreb, Croatia	5
9	Katja	Drobnič	Forensic Laboratory, Ministry of the Interior, Ljubljana, Slovenia	2
10	Pavlo	Feliksovich Tatarsky	Institute of Molecular Biology and Genetics, National Academy of Sciences of Ukraine, department of Human Genomics, Kiev, Ukraine	6
11	Coralie	Frassati	Laboratory of Anthropology, Genetics and Peopling history (AGP), Dpt. Of Anthropology and Ecology, University of Geneva	5
12	Anna	Gareeva	Genetics, Institute of Biochemistry and Genetics, Ufa Scientific Center, Russian Academy of Sciences, Russia	2
13	Nguyen	Giang	Biochemistry lab, the National Institute of Hygiene and Epidemiology, Hanoi, Vietnam	2
14	Fernanda Toledo	Gonçalves	Departamento de Medicina Legal, Ética Médica, Medicina Social e do Trabalho, São Paulo, Brasil	6
15	Branka	Gršković	Faculty of Science, University of Zagreb, Zagreb, Croatia	8
16	Tracy	Johnson	Armed Forces DNA Identification Laboratory, Rockville, Maryland, USA	4
17	Rebecca S.	Just	Armed Forces DNA Identification Laboratory, Rockville, MD, USA University of Maryland, College Park, MD, USA	7
18	Grzegorz	Kaczmarczyk	Jagiellonian University Medical College Department of Forensic Medicine, Krakow, Poland	5
19	Taeko	Kashima	Department of Biological Sciences, Graduate School of Science, University of Tokyo, Tokyo, Japan	5
20	Agnieszka	Krzyżńska	Molecular Technique Unit, Department of Forensic Medicine, Wrocław Medical University, Wrocław, Poland	5
21	Tomasz	Kupiec	Institute of Forensic Research, Cracow, Poland, Department of Forensic Medicine, Medical University of Gdansk, Gdansk, Poland	2
22	Chiara	Magri	Dipartimento di Genetica e Microbiologia, Università di Pavia, Pavia, Italy	3
23	Dora	Markulin	Department of Biology, Faculty of Science, University of Zagreb, Zagreb, Croatia	8
24	Vedrana	Montana	Departments of Cell Biology and Neuroscience, University of California, Riverside, California	4
25	Slave	Petrovski	Royal Melbourne Hospital, University of Melbourne, Melbourne, Australia	8
26	Renato	Polimanti	University of Rome "Tor Vergata", Rome, Italy	7
27	Dora	Polšek	Histology and embryology department, School of Medicine, Zagreb, Croatia	9
28	Niraj	Rai	Centre for Cellular and Molecular Biology, Hyderabad	9
29	Caroline	Round	Research and Development, The Forensic Science Service, Birmingham, United Kingdom	4
30	Robert J.	Shelton	University of Denver, Department of Biological Sciences, Denver, Colorado, USA	3
31	Martina	Smolić	University of Connecticut Health Center, Farmington, CT, USA Faculty of Medicine Osijek, Osijek, Croatia	6
32	Barbara	Zajac	University Hospital Frankfurt, Frankfurt, Germany	9
33	Antoinette	Westen	R&D human biological traces, Netherlands Forensic Institute, the Hague, The Netherlands	6, 8

List of selected lectures

No	Name	Surname	Institution	Participated in Conference No.
1	Hallie	Altschuler	The Armed Forces DNA Identification Laboratory, Dover, DE	8
2	Šimun	Andelinović	University Hospital Split, Split, Croatia	7
3	Vesna	Boraska	Department of Medical Biology, University of Split, School of Medicine, Split, Croatia	8
4	Wojciech	Branicki	Department of General Biochemistry, Faculty of Biochemistry, Biophysics and Biotechnology, Jagiellonian University, Krakow, Poland	9
5	Pavel	Čapek	Charles University, Prague, Czech Republic	7
6	Gyaneshwer	Chaubey	Estonian Biocente, Tartu, Estonia	9
7	Serkan	Dogan	International Burch University, Sarajevo , Bosnia and Herzegovina	9
8	Diana	Dudziak	Friedrich-Alexander Universitat Erlangen – Nurnberg, Germany	8
9	Mohamed	Gad	Faculty of Medicine, King Abdul Aziz University, Saudi Arabia	8
10	Amy	Goldberg	Stanford University, Stanford, CA, USA	9
11	Manuela	De Gregori	Policlinico San Matteo Pavia, Italy	8
12	Florin	Grigorescu	University of Montpellier, France	9
13	Torsen	Gunther	Uppsala University, Uppsala, Sweden	9
14	Andreas	Hellmann	Bundeskriminalamt, Kriminaltechnisches Institut, KT32, Wiesbaden, Germany	5
15	Mark	Kavlick	Federal Bureau of Investigation, Quantico, CA, USA	9
16	Brendan	Keating	University of Pennsylvania, Philadelphia, PA, USA	7
17	Elza	Khusnutdinova	Institute of Biochemistry and Genetics, Ufa, Russian Federation	5
18	Ken	Kidd	New Haven, CT, USA	9
19	Charissa	van Kooten	Netherlands Forensic Institute, Hague, The Netherlands	8
20	Marie	Korabcena	Charles University in Prague, Faculty of Medicine Pilsen, Czech Republic	6
21	Nina	Marchi	Museum National d'Histoire Naturelle, Paris, France	9
22	Laszlo	Mark	Institute of Biochemistry and Medical Chemistry, University of Pecs, Pecs, Hungary	5
23	Alena	Kushniarevich	Estonian Biocentre, Tartu	9
24	Pradiptajati	Kusuma	Laboratoire d'Anthropologie Moléculaire et Imagerie de Synthèse, Université Paul Sabatier – Toulouse III, France	9
25	Erika	Nagle	Department of Medical Biology and Genetics, Riga Stradiņš University	5
26	Ariadna	Nazarova	Institute of Ecology and Evolution Problems, Russia Academy of Sciences, Moscow, Russia	6
27	Nicola	Oldroyd	R&D, Illumina, United Kingdom	8
28	Vladimir	Par	Faculty of Science, University of Zagreb, Zagreb, Croatia	8
29	Ajai	Pathak	University of Tartu, Institute of Molecular and Cell Biology, Tartu, Estonia	9
30	Reena	Roy	Penn State University, Forensic Science Program, Eberly College of Science, University Park, PA, USA	6
31	Vadim	Stepanov	Tomsk State University, Tomsk, Russia	9
32	Vedrana	Škaro	Genos Ltd, Forensic DNA Laboratory, Zagreb, Croatia	7
33	Irina	Udina	N.I. General Genetics Institute RAS, Moscow, Russia	5
34	Angela	van Daal	Faculty of Health Sciences & Medicine, Bond University, Gold Coast, Queensland, Australia	5
35	Stefania	Vai	University of Florence, Florence	9
36	Daniel	Vanek	Forensic DNA Service, Prague 7, Czech Republic;	5
37	Frank	Wendt	Penn State University, Forensic Science Program, Eberly College of Science, University Park, PA, USA	8

10th

ISABS Conference on Forensic and Anthropologic Genetics and Mayo Clinic Lectures in Individualized Medicine



Hotel Dubrovnik Palace, Dubrovnik
June 19-24, 2017

We invite you to join us at the 10th ISABS Conference on Forensic and Anthropologic Genetics and Mayo Clinic Lectures in Individualized Medicine, Dubrovnik, Republic of Croatia June 19-24, 2017. The conference is next in the series of biennial events organized by the International Society for Applied Biological Sciences (ISABS), a society dedicated to the promotion of applied molecular biology (www.isabs.hr).

10th ISABS Conference Invited speakers:

Nobel Lectures

Robert Huber (Nobel Prize in Chemistry 1988; Max-Planck-Institute, Martinsried, Germany), **Paul Modrich** (Nobel Prize in Chemistry 2015, Duke University Medical Center, Durham, NC, USA), **Harald zur Hausen** (Nobel Prize in Medicine 2008; German Cancer Research Center, University of Heidelberg, Heidelberg, Germany), **Ada Yonath** (Nobel Prize in Chemistry 2009; Weizmann Institute of Science, Rehovot, Israel)

Inaugural Plenary Session:

Gianrico Farrugia (Mayo Clinic, Jacksonville, FL, USA), **Eske Willerslev** (University of Cambridge, UK and University of Copenhagen, Denmark), **Manolis Kellis** (MIT Computer Science and Artificial Intelligence Laboratory, Massachusetts Institute of Technology, Cambridge, MA, USA and The Broad Institute of MIT and Harvard, Cambridge, MA, USA), **Walther Parson** (Institute of Legal Medicine, Innsbruck Medical University, Innsbruck, Austria)

Special Plenary Lectures:

Anthony Atala (The Wake Forest Institute for Regenerative Medicine, Wake Forest University, Winston-Salem, NC, USA), **Jan van Deursen** (Mayo Clinic, Rochester, MN, USA): Fundamental mechanisms of aging and aging-related diseases, **Turi King** (University of Leicester, Leicester, United Kingdom): The incredible but true identification story of King Richard III

Individualized Medicine Program:

Amelie Bonnefond (Institut Pasteur de Lille, Lille, France), **Jiří Damborský** (Masaryk University, Brno, Czech Republic), **Nilufer Ertekin Taner** (Mayo Clinic, Rochester, MN, USA), **Magnus Essand** (Uppsala University, Uppsala, Sweden), **William Faubion** (Mayo Clinic, Rochester, MN, USA), **Zdenko Herceg** (Int. Agency for research on Cancer, Lyon, France), **Heidi Nelson** (Mayo Clinic, Rochester, MN, USA), **Eric Klee** (Mayo Clinic, Rochester, MN, USA), **Gordan Lauc** (University of Zagreb & Genos Glycoscience Research Laboratory, Zagreb, Croatia), **Grzegorz Nowakowski** (Mayo Clinic, Rochester, MN, USA), **Tamas Ordog** (Mayo Clinic, Rochester, MN, USA), **Naveen Pereira** (Mayo Clinic, Rochester, MN, USA), **Leonard Petrucelli** (Mayo Clinic, Jacksonville, FL, USA), **Dieter Saur** (Technische Universität München, München, Germany), **Tim Spector** (King's College London, London, England, UK), **Stephen Thibodeau** (Mayo Clinic, Jacksonville, FL, USA), **Raul Urrutia** (Mayo Clinic, Rochester, MN, USA), **George Vasmatazis** (Mayo Clinic, Rochester, MN, USA), **Zhiguo Zhang** (Institute for Cancer Genetics, Columbia University, New York, NY, USA), **Vlatka Zoldoš** (University of Zagreb Faculty of Science, Zagreb, Croatia), **Eric Wieben** (Mayo Clinic, Rochester, MN, USA)

Forensic Genetics and Anthropological Genetics Program:

Frederick Bieber (Harvard Medical School and Brigham and Women's Hospital, Boston, MA, USA), **Wojciech Branicki** (Jagiellonian University, Kraków, Poland), **Bruce Budowle** (University of North Texas, Health Science Center, Fort Worth, TX, USA), **Sandy Calloway** (UC Davis, Davis, CA and Children's Hospital Oakland Research Institute, Oakland, CA, USA), **Henry Erlich** (Children's Hospital Oakland Research Institute, Oakland, CA, USA), **Wolfgang Haak** (Max Planck Institute for the Science of Human History, Jena, Germany) (inv.), **Diana Hall** (University Centre of Legal Medicine, University of Geneva and University of Lausanne, Switzerland), **Mitch Holland** (The Pennsylvania State University, State College, PA, USA), **Mattias Jakobsson** (Uppsala University, Uppsala, Sweden) (inv.), **Manfred Kayser** (Erasmus University Medical Center, Rotterdam, The Netherlands), **Peter de Knijff** (Leiden University Medical Centre, Leiden, The Netherlands), **Michael Kobor** (University of British Columbia, Vancouver, Canada) (inv.), **Henry Lee** (University of New Haven, New Haven, CT, USA), **Jessica Metcalf** (Colorado State University, Fort Collins, CO, USA), **Matthias Meyer** (Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany), **Rasmus Nielsen** (University of California Berkeley, Berkeley, CA, USA), **Timothy Palmbach** (University of New Haven, New Haven, CT, USA), **Antti Sajantila** (Department of Forensic Medicine, University of Helsinki, Helsinki, Finland), **Pontus Skoglund** (Harvard University, Boston, MA, USA) (inv.), **Elmar Tobi** (Wageningen University, Wageningen, The Netherlands), **Chris Tyler-Smith** (Wellcome Trust Sanger Institute, Hinxton, United Kingdom)

ISABS Conferences Founding Members:

Dragan Primorac (The Pennsylvania State University, State College, PA, USA and University of New Haven, New Haven, CT, USA; St. Catherine Hospital, Zagreb/Zabok, Croatia, Universities of Split, Osijek and Rijeka, Croatia), **Moses Schanfield** (George Washington University, Washington, DC, USA), **Stanimir Vuk-Pavlović** (Mayo Clinic College of Medicine, Rochester, MN, USA)

Program directors:

Manfred Kayser (Erasmus University Medical Center Rotterdam, The Netherlands), **Tamas Ördög** (Mayo Clinic, Rochester, MN, USA)

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