



*International Society for Applied Biological Sciences*



**ISABS Conference on Forensic,  
Anthropologic and Medical Genetics**

Bluesun hotel Elaphusa / Bol, Island of Brač, June 22-26, 2015

[www.isabs.hr](http://www.isabs.hr)



## Dear Colleague,

We invite you to join us at the 9th ISABS Conference on Forensic, Anthropologic and Medical Genetics, Bol, Island of Brač, Croatia, June 22 – 26, 2015. 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](http://www.isabs.hr)).

Since the initiation of the series in 1997, we have strived both to focus and broaden the scope of the conferences. The focus has been on the application of cutting-edge analytical methodology in forensic science. However, since 2007 we have broadened the area of interest by the introduction of molecular anthropology that, in large part, shares the methodology with forensic genetics. In 2009, we introduced selected topics from individualized medicine, another applied discipline based on the advances in mapping the human genome. In 2011 we included the most recent and most interesting topics in molecular medicine. In 2013 we included 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.

As before, the conference is structured to allow close interaction of the international faculty and attendees. Together with formal presentations, there will be 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, beautiful beaches, cultural and historical attractions and We invite you to Split

and Diocletian's Palace, seventeen centuries old, yet swarming with contemporary life. Discover and enjoy the beauties of Croatia, the mild climate, the well-developed tourist and sport offers. And, above all, enjoy Croatia's warm and friendly people.

**Moses Schanfield**

**Dragan Primorac**

**Stanimir Vuk-Pavlovic**

Program/Conference Directors







## Topics for 9<sup>th</sup> ISABS Conference

### 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  
Personalised Medicine

### Contact Information

International Society for Applied Biological Sciences – ISABS  
Kennedyev Trg 6b, 10 000 Zagreb, Croatia  
Web: [www.isabs.hr](http://www.isabs.hr)  
E-mail: [info@isabs.hr](mailto:info@isabs.hr)

## Always attractive Bol

Brač is the largest island in the Dalmatian archipelago (394 km<sup>2</sup>). It lies anchored between the mainland (Split, Omiš and Makarska Riviera) and the Hvar channel. It is overflowing with contrasted and natural beauty. On the island there are twenty settlements and a few hamlets with about 15 thousand inhabitants. By appearance and atmosphere the seaside localities are in essence Mediterranean towns. Bol is the oldest coastal settlement on Brač. It exists in the solitude of the southern landscape, at the foot of the Bol crown and Vidova Mountain - the highest island peak and at the same time the highest point of all Adriatic islands (778 m). It extends a number of kilometers along the sea edge. The sea is exceptionally clear around it, so that the clear waves have the appearance of polished crystal. The urban center of Bol is formed along the port. Here lies a gothic summer residence, a loggia with a small church and renaissance-baroque palace in which is located a well known art gallery with a rich collection of artistic works inspired by the sun and sea, beauty and colors of primarily Brač landscapes. Bol abounds in attractive beaches. 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. It „grows“ with the depositing and sedimentation of small gravelly pebbles around the underwater reef. The point of the Zlatni rat (Golden Horn) changes shape, attempting to conform to the will of the waves and gentle sea currents. Bol is a locality of exceptional maritime benefits. Its coast, with a series of peaceful and pleasant nooks offers a feeling of large open spaces, created for meditative relaxation and active holidays. The sun-drenched glades are filled with the scent of medicinal sage and rosemary, while the chirping of the crickets provides the deepest primeval music. Each visitor to this region can find some form of pleasure for themselves.





# ISABS The First Fifteen 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 2011 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.

## 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](http://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. At each conference awards 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

**2013**

**Matko Čančer**, Sweden (Gene therapy)

**Dora Markulin and 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 Tatarskyy**, Ukraine (Individualised Medicine)

**Antoinette Westen**, Netherlands (Forensic Genetics)

**2007**

**Grzegorz Kaczmarczyk**, Poland (Forensic Genetics)

**Agnieszka Krzyżańska**, 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, Pannonian and Dinaric influences. Its 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 on the UNESCO list of world cultural heritage. In fact, Croatia proudly presents the longest list of protected nonmaterial cultural heritage in Europe; worldwide it is behind only China, Japan and Korea. 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 12<sup>th</sup> to the 19<sup>th</sup> 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.







# 1<sup>st</sup> 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

---

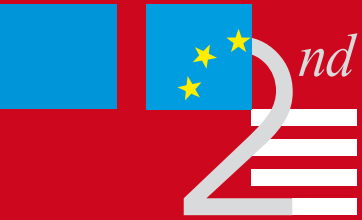
150

## Number of countries

---

17





## 2<sup>nd</sup> 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

---

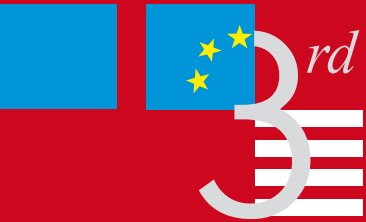
230

## Number of countries

---

29





## 3<sup>rd</sup> 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







# 4<sup>th</sup>

## 4<sup>th</sup> 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 5<sup>th</sup>, the first assembly of the newly founded International Society for Applied Biological Sciences (ISABS; [www.isabs.hr](http://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





## 5<sup>th</sup> 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





## 6<sup>th</sup> 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







## 7<sup>th</sup> 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





## 8<sup>th</sup> conference

Split, Croatia, June 24-28, 2013

### 8<sup>th</sup> 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



# List of invited speakers

No	Name	Surname	Institution	Participated in Conference No.
1.	Zvia	Agur	Institute for Medical BioMathematics, Tel Aviv, Israel	8
2.	Antonio	Alonso	National Institute of Toxicology and Forensic Science, Madrid, Spain	2, 3, 4
3.	Šimun	Andelinović	University Hospital Split, Croatia	1
4.	Ted	Anderson	International Commission on Missing Persons, Sarajevo, Bosnia and Herzegovina Armed Forces DNA Identification Laboratory, Rockville, MD, USA	2, 3
5.	Theodore	Anderson	Armed Forces DNA Identification Laboratory, Armed Forces Institute of Pathology, Rockville, MD, USA	5
6.	Darko	Antičević	University Hospital Center, Zagreb, Department of Orthopedics, Zagreb, Croatia	2
7.	Kenneth	Aschheim	New York University, New York, New York, USA	8
8.	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
9.	Charles	Auffray	CNRS, Villejuif France	4
10.	Dušica	Babović-Vuksanović	College of Medicine, Mayo, Clinic, Rochester, MN, USA	7
11.	Gideon	Bach	Hadassah University Hospital, Jerusalem, Israel	3
12.	Michael	Baden	New York State Police, FSL, Albany, USA	1, 2, 3
13.	Bostjan	Baebler	Clinical Hospital Ljubljana, Department of Orthopedics, Ljubljana, Slovenia	2
14.	Kaye	Ballantyne	Victoria Police Forensic Services Department, Macleod, VIC, Australia	5, 8
15.	Jeff	Ban	Commonwealth of Virginia Criminal Justice System Division of Forensics Services, Richmond, VA, USA	2
16.	Pavo	Barišić	Institute of Philosophy, Zagreb, Croatia	3
17.	Melissa	Barker	Applied Biosystems, Foster City, CA, USA	6
18.	Antonio	Bedalov	Fred Hutchinson Cancer Research Center, Seattle, WA, USA	2
19.	Isaac	Ben-Israel	Tel Aviv University, Tel Aviv, Israel	8
20.	Corina	Benschop	Netherlands Forensic Institute, Hague, The Netherlands	
21.	Zwi	Berneman	University of Antwerp, Antwerp, Belgium	7, 8
22.	Frederick	Bieber	Harvard Medical School, Boston, MA, USA Brigham and Women's Hospital, Boston, MA, USA	2, 3, 4, 5, 6, 7, 8
23.	Andrea	Biondi	University of Milano, School of Medicine, Monza, Italy	1, 2
24.	Chiara	Bonini	San Raffaele Scientific Institute, Milan, Italy	
25.	Nicolai	Bovin	Shemyakin & Ovchinnikov Institute of Bioorganic Chemistry, Moscow, Russian Federation	7
26.	Christine	Boyer	Armed Forces DNA Identification Laboratory, Rockville, MD, USA	3
27.	Malcolm	Brenner	Baylor College of Medicine, Houston, TX, USA	7, 8
28.	Renier	Brentjens	Memorial Sloan-Kettering Cancer Center, New York, New York, USA	8
29.	Fiona	Brew	Aflymetrix, London, UK Phil Danielson University of Denver, Denver, CO, USA	3
30.	Bernd	Brinkmann	Institut für Rechtsmedizin, Münster, Germany	2
31.	Zoran	Budimlija	Office of Chief Medical Examiner, New York, NY, USA	3, 4, 5, 6, 7, 8
32.	Bruce	Budowle	FBI Laboratory, Quantico, VA, USA	1, 2, 3, 5
33.	Dean	Burgi	Genomix-Beckman Instruments Inc., Foster City, USA Molecular Dynamics, Sunnyvale, CA, USA	1, 2
34.	Barbara	Butcher	Office of Chief Medical Examiner, New York City, New York, USA	8
35.	Casandra	Calloway	Roche Molecular Systems, Alameda, CA, USA Children's Hospital & Research Center Oakland, Oakland, CA, USA	2, 3, 5, 6, 8
36.	Harry	Campbell	University of Edinburgh, Edinburgh, Scotland, United Kingdom	8
37.	Theresa	Caragine	New York City Office of Chief Medical Examiner NYC OCME Department of Forensic Biology, New York, NY USA	4, 6, 7, 8
38.	Angel	Carracedo	University of Santiago de Compostela, Santiago de Compostela, Spain	8
39.	Filippo	Castiglione	NRC Institute for Computing Applications, Rome, Italy	7

# List of invited speakers

No	Name	Surname	Institution	Participated in Conference No.
40.	Frank	Ciaccio	National Transportation Safety Board, Washington, DC, USA	2
41.	Aaron	Ciechanover	Nobel Prize in Chemistry 2004; Technion, Haifa, Israel	8
42.	Michael	Coble	Armed Forces DNA Identification Laboratory, Rockville, MD, USA	6
43.	Dave	Coffman	Florida Department of Law Enforcement, Tallahassee, FL, USA	3
44.	Laurence	Cooper	MD Anderson Cancer Center, Houston, Texas, USA	8
45.	Cecelia	Crouse	Palm Beach Sheriff's Office, Palm Beach, FL, USA	2, 4
46.	Ivan	Damjanov	University of Kansas School of Medicine, Kansas City, USA	1
47.	Yasser	Daoudi	Applied Biosystems, Foster City, CA, USA	3
48.	Tracy	Dawson	George Washington University, Washington, DC, USA	3
49.	Peter	de Knijff	Leiden University, Leiden, The Netherlands	2, 8
50.	Peter	de Waele	Cardio3 Biosciences, Mont-Saint-Guilbert, Belgium	8
51.	Robert	Deans	Athersys Inc, Cleveland, Ohio, USA	8
52.	Ranjana	Deka	University of Cincinnati College of Medicine, Cincinnati, OH, USA	5
53.	Zlatko	Dembic	The National Hospital, University of Oslo, Norway	1
54.	George	Dickson	School of Biological Sciences Royal Holloway University of London, Egham, UK	2
55.	Allan B.	Dietz	Mayo Clinic College of Medicine, Rochester, MN, USA	1, 2, 3, 4
56.	Pero	Dimoski	Applied Biosystems, Foster City, CA, USA	3
57.	Tomislav	Domazet-Lošo	Ruder Boskovic Institute, Zagreb, Croatia	5
58.	Katja	Drobnic	Faculty of Criminal Justice and Security, UM and National forensic laboratory, MNZ Slovenia	5, 7, 8
59.	Boro	Dropulic	Johns Hopkins, Baltimore, MD, USA	1
60.	Arthur	Eisenberg	University of North Texas Health Science Center, Fort Worth, TX, USA	2
61.	Moran	Elishmereni	Institute for Medical BioMathematics, Bene Ataroth, Israel	7, 8
62.	Henry	Erllich	Roche Molecular Systems, Inc., Alameda, CA, USA	2, 4, 5, 6, 7, 8
63.	Christopher	Evans	Center for Advanced Orthopaedic Studies, Harvard Medical School, Boston, MA, USA	7
64.	Matthew	Ferber	College of Medicine, Mayo Clinic, Rochester, MN, USA	7
65.	Santo Davide	Ferrara	University of Padua, Padua, Italy	8
66.	Benjamin	Figura	Office of Chief Medical Examiner, New York, New York, USA	8
67.	Michael	Frank	Duke University, Durham, NC, USA	4
68.	Coralie	Frassati	Department of Anthropology and Ecology, University of Geneva, Switzerland	5
69.	Dan	Frumkin	Nucleix Inc., Tel Aviv, Israel	8
70.	Matthew	Gabriel	San Mateo County Sheriff's Office, Forensic Laboratory, San Mateo, CA, USA	2
71.	Eithan	Galun	Hadassah University Hospital, Jerusalem, Israel Hebrew University, Jerusalem, Israel	3, 6
72.	Gale	Gardiner	National Center for Health Statistics, Hyattsville, MD, USA	1
73.	Mauro	Gasparini	Politecnico di Torino, Torino, Italy	8
74.	Dennis	Gastineau	Mayo Clinic College of Medicine, Rochester, MN, USA	3, 7
75.	Nils	Gerke	Eppendorf AG, Hamburg, Germany	5
76.	Arezou	Ghazani	Harvard Medical School and Massachusetts General Hospital, Boston, MA, USA	7, 8
77.	Dennis	Gilbert	Applied Biosystems, Foster City, CA, USA	3
78.	Eli	Gilboa	Duke University, Durham, NC, USA	4
79.	Peter	Gill	The Forensic Science Service, Birmingham, UK	2
80.	Francis	Glorieux	McGill University, Shriners Hospital for Children, Montréal, QC, Canada	2, 3



# List of invited speakers

No	Name	Surname	Institution	Participated in Conference No.
81.	David	Goldstein	Duke University, Durham, North Carolina, USA	8
82.	Dora	Gransden	Promega, Madison, Wisconsin, USA	4
83.	Esther	Guetta	Danek Gertner Institute of Human Genetics, Sheba Medical Center, Tel-Hashomer, Israel	7
84.	Cordula	Haas	Institute of Legal Medicine, University of Zürich, Zürich, Switzerland	8
85.	Karin	Halevi	Institute for Medical BioMathematics, Bene Ataroth, Israel,	7
86.	Joy	Halverson	QuestGen Forensics, Davis, CA, USA	4
87.	Rebecca	Hamm	Armed Forces DNA Identification Laboratory, Rockville, MD, US	3
88.	Michael F.	Hammer	University of AZ, Tucson, USA	4, 6
89.	John	Hannover	National Institutes of Health, Bethesda, Maryland, USA	8
90.	Andreas	Hellmann	Bundeskriminalamt, Kriminaltechnisches Institut, KT32, Wiesbaden, Germany	5
91.	Carol	Henderson	Stetson University College of Law, Gulfport, FL, USA	7
92.	Jürgen	Henke	Institut für Blutgruppenforschung, Köln, Germany	1, 2, 3, 4
93.	Lotte	Henke	Institut für Blutgruppenforschung, Köln, Germany	2
94.	Thierry	Hennet	Institute of Physiology, University of Zürich, Zürich, Switzerland	7
95.	Manfred	Hochmeister	Department of Forensic Medicine, Bern, Switzerland,	1
96.	Paula	Hoffman Wulff	American Prosecutors' Research Institute, Alexandria, VA, USA	4
97.	Carsten	Hohoff	Institut für Rechtsmedizin, Münster, Germany	2
98.	Charity	Holland	The Bode Technology Group, Inc., Springfield, VA, USA	2, 3
99.	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
100.	Robert	Huber	Nobel Prize in Chemistry 1988, Max Planck Institute for Biochemistry, Martinsried, Germany, USA	4, 8
101.	Edwin	Huffine	International Commission on Missing Persons, Sarajevo, Bosnia and Herzegovina The Bode Technology Group Inc., Springfield, VA, USA	2, 3, 4, 5, 6
102.	Volker	Huppert	Miltenyi Biotec GmbH, Bergisch Gladbach, Germany	2
103.	David	James	Mayo Clinic College of Medicine, Rochester, MN, USA	4
104.	Michael	Jensen	Seattle Children's Hospital, Seattle, Washington, USA	8
105.	Marty	Johnson	Applied Biosystems, Foster City, CA, USA	3
106.	Susan	Jones	US Armed Forces Institute of Pathology, Washington, DC, USA	4
107.	Stipan	Jonjic	School of Medicine, University of Rijeka, Rijeka, Croatia	7
108.	Rebecca	Just	Armed Forces DNA Identification Laboratory, Armed Forces Institute of Pathology, Rockville, MD, USA	5
109.	Grzegorz	Kaczmarczyk	Department of Molecular Biology and Clinical Genetics, Internal Medicine, Krakow, Poland	5
110.	Tea	Kalebić	NCI, NIH, Bethesda, MD, USA	1
111.	Francis	Kalush	Center for Devices and Radiological Health, Rockville, MD, USA	6
112.	Sree	Kanthaswamy	CA National Primate Research Center, University of CA, Davis, CA, USA	6, 7
113.	Taeko	Kashima	Department of Biological Sciences, Graduate School of Science, University of Tokyo, Tokyo, Japan	5
114.	David	Kaye	Eberly College of Science, Penn State University, PA, USA	7, 8
115.	Manfred	Kayser	Erasmus MC - University Medical Center Rotterdam, Rotterdam, Netherlands	7, 8
116.	Linda B.	Kenney	Forensic Lawyer, Red Bank, NJ, USA	2, 3
117.	Eliza	Khusnutdinova	Institute of Biochemistry and Genetics, Ufa, Bashkortostan, Russian Federation	5
118.	Ofer	Klein	Rebecca Sieff Medical Center and BioCep, Ltd., Safed, Israel	7
119.	Jean-Pierre	Kocher	Mayo Clinic College of Medicine, Rochester, MN, USA	5, 6, 7
120.	Yuri	Kogan	Institute for Medical BioMathematics, Tel Aviv, Israel	7, 8

# List of invited speakers

No	Name	Surname	Institution	Participated in Conference No.
121.	Manish	Kohli	Mayo Clinic, Rochester, Minnesota, USA	8
122.	Ivica	Kostović	Zagreb University School of Medicine, Zagreb, Croatia	1
123.	Benjamin	Krenke	Promega Corporation, Madison, WI, USA	2
124.	Agnieszka	Krzyżañska	Molecular Technique Unit, Department of Forensic Medicine, Wrocław Medical University, Wrocław, Poland	5
125.	Milovan	Kubat	Zagreb University School of Medicine, Zagreb, Croatia	1
126.	Gunnar	Kvalheim	Norwegian Radium Hospital, University of Oslo, Oslo, Norway	7, 8
127.	Greggory	LaBerge	Denver Police Department and University of Colorado Health Sciences Center, Denver, CO, USA	3
128.	Marc	Ladanyi	Memorial Sloan-Kettering Cancer Center, New York, NY, USA	2
129.	Carll	Ladd	Connecticut State Police, Connecticut Forensic Science Laboratory, Meriden, CT, USA	2, 3
130.	Doron	Lancet	The Weizmann Institute of Science, Rehovot, Israel	3, 4, 6, 7, 8
131.	Gordan	Lauc	Faculty of Pharmacy and Biochemistry, University of Zagreb, Croatia	7, 8
132.	Demris	Lee	Armed Forces DNA Identification Laboratory, Rockville, MD, USA	4
133.	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 New Haven, West Haven, CT, USA	1, 2, 3, 4, 5, 6, 7, 8
134.	Dirk	Lefeber	Radboud University, Nijmegen, The Netherlands	8
135.	Hakon	Leffler	Lund University Hospital Solvegatan, Lund, Sweden	7
136.	Hans	Lehrach	Max Planck Institute for Molecular Genetics, Berlin, Germany	4
137.	Alexander	Lichtler	University of Connecticut School of Medicine, Farmington, CT, USA	2
138.	Debang	Liu	Oligotrail, LLC, Evanston, IL, USA	2
139.	José Antonio	Lorente	University of Granada, Granada, Spain	2, 3, 4, 5, 6
140.	Stephen	Lupton	Promega Corporation, Madison, WI, USA	3
141.	Slobodan	Macura	Mayo Clinic, Rochester, MN, USA	3
142.	Henning	Madiy	Saarland University Hospital and Saarland University of Medicine, Hamburg, Germany	7
143.	Nino	Margetić	National Centre for Genotyping, Paris, France	3
144.	Damir	Marjanović	Institute for Genetic Engineering and Biotechnology INGEB, Sarajevo, Bosnia and Herzegovina Genos, DNA lab, Zagreb, Croatia	5, 6, 7
145.	Laszlo	Mark	Institute of Biochemistry and Medical Chemistry, University of Pecs, Pecs, Hungary	5
146.	Alemka	Markotić	Institute of Immunology, Zagreb, Croatia University Hospital for Infectious Diseases "Dr. Fran Mihaljević" School of Medicine, University of Rijeka, Croatia	4
147.	Massimo	Martelli	University of Perugia, Perugia, Italy	2
148.	Boris	Martinac	Victor Chang Cardiac Research Institute, Sydney, NSW, Australia	7
149.	Irena	Martinović Klarić	Institute for Anthropological Research, Zagreb, Croatia	5
150.	Ana	Marušić	School of Medicine, University of Zagreb, Croatia	2
151.	Tonči	Matulić	School of Catholic Theology, Zagreb, Croatia	3
152.	Thomas	Meltinger	Institute of Human Genetics, Technical University, Munich GSF National Research Institute, Neuherberg, Germany	3
153.	Terry	Melton	Mitotyping Technologies, LLC, State College, PA, USA	2, 3
154.	Marilyn	Menotti-Raymond	Laboratory of Genomic Diversity, National Cancer Institute, Frederick, MD, USA	2, 3, 5, 7
155.	Rebecca	Mikulasovich	NYC Office of Chief Medical Examiner, New York, NY, USA	5
156.	Heather	Miller Coyle	Coyle Connecticut State Police, Connecticut Forensic Science Laboratory, Meriden, CT, USA	2, 3, 4
157.	Adele	Mitchell	Office of Chief Medical Examiner of New York City, New York, NY, USA	6
158.	Steven	Moran	Mayo Clinic, Rochester, Minnesota, USA	8
159.	Stephen	Morse	Center for Disease Control and Prevention, Atlanta, Georgia, USA	4

# List of invited speakers

No	Name	Surname	Institution	Participated in Conference No.
160.	Monica	Mottes	University of Verona, Verona, Italy	2
161.	Thomas	Mozer	Promega Corporation, Madison, WI, USA	2
162.	John R.	Myriad	Genetic Laboratories, Salt Lake City, UT, USA	3
163.	Erika	Nagle	Department of Medical Biology and Genetics, Riga Stradins University, Riga, Latvia	5
164.	Frans	Nauwelaers	BD Biosciences Europe, Erembodegem, Belgium	2
165.	Tahnee M.	Nelson	San Francisco Police Department, San Francisco, CA, USA	5
166.	Garth	Nicolson	Institute for Molecular Medicine, Huntington Beach, CA, USA	4
167.	Falk	Nimmerjahn	Friedrich-Alexander University Erlangen-Nuremberg, Erlangen, Germany	8
168.	Dean	Nižetić	University of London, School of Pharmacy, London, UK	2, 3
169.	Brenda	Ogle	Mayo Clinic College of Medicine, Rochester, MN, USA	4
170.	Nicola	Oldroyd	Applied Biosystems Europe, Warrington, UK	2, 4
171.	Timothy	Palmbach	Connecticut State Police, Meriden, CT, USA The Henry C. Lee College of Criminal Justice and Forensic Sciences, University of New Haven, West Haven, CT, USA	3, 7, 8
172.	Giorgio	Palù	University of Padova, Padova, Italy	7
173.	Vladimir	Parpura	University of CA, Riverside, CA, USA	4
174.	Walther	Parson	Institute of Legal Medicine, Innsbruck, Austria	2, 3, 8
175.	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
176.	Vincenzo	Pascali	Catholic University of the Sacred Heart, Rome, Italy	3
177.	Giuseppe	Passarino	Department of Cell Biology, University of Calabria, Rende, Italy	5
178.	Kresimir	Pavelić	Institute Ruder Boskovic, Zagreb, Croatia	1, 2, 3
179.	Madhusudan	Peshwa	Dendreon Corporation, Seattle, WA, USA	2
180.	Pier Franco	Pignatti	Institute of Biology and Genetics University of Verona, Italy	1, 2, 3
181.	Jef	Pinxteren	ReGenesys, Heverlee, Belgium	7
182.	Mario	Pirastu	Institute of Population Genetics, National Research Council, C.N.R., Alghero and Sharda Lite Sciences Cagliari, Italy	5
183.	Haskell	Pitluck	McHenry County Circuit Court, Woodstock, IL, USA	2, 3
184.	Doros	Platika	Centogenex, Cambridge, MA, USA	3
185.	Jeffrey	Platt	Mayo Clinic College of Medicine, Rochester, MN, USA	3, 4
186.	Gregory	Poland	Mayo Clinic College of Medicine, Rochester, MN, USA	4
187.	Giulio	Pompilio	University of Milan, Milan, Italy	7
188.	Tanja	Popović	Centers for Disease Control and Prevention, Atlanta, GA, USA	3
189.	Elon	Pras	Sheba Medical Center, Tel Hashomer, Israel	8
190.	Franklyn	Prendergast	Mayo Clinic, Rochester, Minnesota, USA	8
191.	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
192.	Mechthild	Prinz	Office of Chief Medical Examiner, New York, NY, USA	2, 3
193.	Raj	Puri	Food and Drug Administration, Bethesda, MD, USA	3
194.	Miroslav	Radman	Jacob Manod Institute, Paris, France University of Paris V, Medical School Necker, Paris, France	1, 2
195.	Yoel	Rak	Tel-Aviv University, Tel Aviv, Israel	8
196.	Danica	Ramljak	NCI, NIH, Frederick, MD, USA	1
197.	Erdmann	Rapp	Max Planck Institute for Dynamic of Complex Technical Systems in Magdeburg, Germany	7
198.	Dražen	Raucher	University of Mississippi, Jackson, Mississippi, USA	8



# List of invited speakers

No	Name	Surname	Institution	Participated in Conference No.
199.	Dennis	Reeder	Applied Biosystems, Foster City, CA, USA	2
200.	Ronald	Reinstein	Supervising Criminal Court, Maricopa County, AZ, USA	4
201.	Yair	Reisner	The Weizmann Institute of Science, Rehovot, Israel	2,4
202.	Rebecca	Reynolds	Roche Molecular Systems, Inc., Alameda, CA, USA	2
203.	Richard J,	Roberts	1993 Nobel Prize in Physiology or Medicine New England Biolabs, Ipswich, MA, USA	6
204.	Lutz	Roewer	Institute of Legal Medicine, Charité University of Medicine, Berlin, Germany	5
205.	Doug	Ross	Stanford University School of Medicine, Stanford, CA, USA	2
206.	David	Rowe	University of Connecticut School of Medicine, Farmington, CT, USA	2,3
207.	Pavao	Rudan	University of Zagreb, Zagreb, Croatia Institute for Anthropological Research, Zagreb, Croatia	4,5
208.	Igor	Rudan	University of Edinburgh, Edinburgh, Scotland, United Kingdom	8
209.	Pauline	Rudd	The National Institute for Bioprocessing Research and Training, Dublin, Ireland	7
210.	Stephen	Russell	Mayo Clinic, Rochester, MN, USA	3
211.	Antti	Sajantila	Department of Forensic Medicine, University of Helsinki, Helsinki, Finland	3,5,6,7,8
212.	Isobel	Scarlsbrick	Mayo Clinic, Rochester, Minnesota, USA	8
213.	Moses	Schanfield	Analytical Genetic Testing Center, Denver, CO, USA Monroe County Public Safety Laboratory, Rochester, NY USA George Washington University, Washington, DC, USA	12,3,4,7,8
214.	Edgar	Schreiber	Celera Diagnostics, Alameda, CA, USA	3
215.	Dagmar	Schuster	Perkin Elmer, European Life Science Center, Langen, Germany	1
216.	Michal	Schwartz	The Weizmann Institute of Science, Rehovot, Israel	2
217.	Aleksandar	Sekulic	Mayo Clinic, Scottsdale, AZ, USA	6
218.	Eliezer	Shalev	Rappaport Faculty of Medicine, Technion-Israel Institute of Technology, Haifa, Israel	7
219.	Stavit A,	Shalev	Human Genetic Center, Ha'emek Medical Center, Afula Technion-Israel Institute of Technology, Haifa, Israel	7
220.	Rafael	Sierra	Mayo Clinic, Rochester, Minnesota, USA	8
221.	Artemis	Simopoulos	The Center for Genetics, Nutrition and Health, Washington, DC, USA	7
222.	Sudhir	Sinha	ReliaGene Technologies, Inc, New Orleans, LA, USA	2
223.	Paul	Sledzik	National Museum of Health and Medicine, AFIP, Washington, DC, USA	2
224.	Alan	Smith	Osiris Therapeutics, Inc., Baltimore, MD, USA	2
225.	Brion C.	Smith	Armed Forces DNA Identification Laboratory, Armed Forces Institute of Pathology, Rockville, MD, USA	5
226.	David I.	Smith	Mayo Clinic College of Medicine, Rochester, MN, USA	4,6,7,8
227.	Debbie	Smith	Williamsburg, VA, USA	4
228.	Davor	Solter	Max Planck Institute of Immunobiology, Freiburg, Germany	2,3,4
229.	Tim	Spector	Kings College London, London, England, United Kingdom	8
230.	Mark	Spigelman	Tel Aviv, Israel	6
231.	Ana	Stavljenić Rukavina	Clinical Institute of Laboratory Diagnostics, Zagreb, Croatia	1
232.	Kári	Stefánsson	deCODE Genetics, Reykjavik, Iceland	6
233.	Daniela	Steinberger	Institute of human genetics, Justus Liebig University, Giessen and biologists, Frankfurt am Main, Germany	7
234.	Mark	Stoneking	Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany	4,7
235.	Branimir	Šikić	Stanford University School of Medicine, Stanford, CA, USA	1,2
236.	Igor	Štagljar	University of Toronto, Toronto, Ontario, Canada	4
237.	Poonam	Taneja	Molecular Devices, MDS Analytical Technologies Sunnyvale, CA, USA	5
238.	Raimo	Tanzi	Applied Biosystems Europe, Monza, Italy	2,4

# List of invited speakers

No	Name	Surname	Institution	Participated in Conference No.
239.	Ron	Tepper	Sapir Medical Center, Kfar Saba, Israel	7
240.	Andre	Terzic	Mayo Clinic College of Medicine, Rochester, MN, USA	4, 6, 7, 8
241.	Carmen	Terzic	College of Medicine, Mayo Clinic, Rochester, MN, USA	7, 8
242.	L. David	Tomei	Xenomix Inc., Richmond, CA, USA	3
243.	Christine	Tomsey	Pennsylvania State Police, Greensburg, PA, USA	2
244.	Martin	Tracey	Florida International University, Miami, FL, USA	2
245.	Petros	Tsipouras	University of Connecticut School of Medicine, Farmington, CT, USA	1, 2, 3
246.	Chris	Tyler-Smith	CRC Chromosome Molecular Biology Group, Department of Biochemistry, University of Oxford, Oxford, UK	2
247.	Irina	Udina	N.I. General Genetics Institute RAS, Moscow, Russian Federation	5
248.	Peter	Underhill	Stanford University Medical Center, Stanford, CA, USA	3, 5, 7, 8
249.	Peter	Vallone	National Institute of Standards and Technology, Gaithersburg, Maryland, USA	8
250.	Angela	van Daal	Faculty of Health Sciences & Medicine, Bond University, Gold Coast, Queensland, Australia	5
251.	Pieter	van Oers	Applied Biosystems, Foster City, USA	5
252.	Daniel	Vanek	Forensic DNA Service, Prague, Czech Republic	5, 6, 7
253.	George	Vasmatzis	Mayo Clinic College of Medicine, Rochester, MN, USA	5, 6, 7
254.	Richard	Villems	Institute of Molecular and Cell Biology, University of Tartu Estonian Biocentre, Tartu, Estonia	5, 7, 8
255.	Samuel	Volchenboum	University of Chicago, Chicago, IL, USA	7
256.	Slobodan	Vukičević	Zagreb University School of Medicine, Zagreb, Croatia	1, 2
257.	Stanimir	Vuk-Pavlović	Mayo Clinic College of Medicine, Rochester, MN, USA	1, 2, 3, 4, 7, 8
258.	Scott A.	Waldman	Thomas Jefferson University, Philadelphia, Pennsylvania, USA	6, 8
259.	Richard	Weinshilboum	Mayo Clinic, Rochester, MN, USA	3
260.	Patrick	Willems	Synergene, Mechelen, Belgium	3
261.	Eske	Willerslev	University of Copenhagen, Copenhagen, Denmark	7
262.	Erin	Williams	Foundation for Genetic Medicine, Inc., Manassas, VA, USA Foundation for Genetic Medicine, Reston, VA, USA	2, 3
263.	Catherine	Wu	University of Connecticut School of Medicine, Farmington, CT, USA	2, 3
264.	George	Wu	University of Connecticut School of Medicine, Farmington, CT, USA	2, 3, 7
265.	Manfred	Wuhrer	Leiden University Medical Center, Leiden, The Netherlands	7
266.	Elisa	Wurmbach	New York City Office of Chief Medical Examiner NYC OCME Department of Forensic Biology, New York, NY, USA	6
267.	Simcha	Yagel	Hadassah Medical Center, Hebrew University of Jerusalem, Jerusalem, Israel	7, 8
268.	Michael	Yaszemski	Mayo Clinic, Rochester, Minnesota, USA	
269.	Ada	Yonath	Nobel Prize in Chemistry 2009; Weizmann Institute of Science, Rehovot, Israel	
270.	Kristin	Young	University of Kansas Medical Center, Kansas City, KS, USA	7
271.	Dušan	Zečević	Zagreb University School of Medicine, Zagreb, Croatia	1
272.	Lijljana	Zergollern-Čupak	Zagreb University School of Medicine, Zagreb, Croatia	1
273.	Raphael	Zidovetzki	University of California Riverside, Riverside, California, USA	8
274.	Vlatka	Zoldoš	University of Zagreb, Zagreb, Croatia	8

\* **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 Brae, 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)

# 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	5
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	6
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	Rima	Dada	All India Institute of Medical Sciences, New Delhi, India	2
7	Tomislav	Domazet-Lošo	Ruder Bošković Institute, Zagreb, Croatia	5
8	Katja	Drobnič	Forensic Laboratory, Ministry of the Interior, Ljubljana, Slovenia	2
9	Pavlo	Feliksovich Tatarsky	Institute of Molecular Biology and Genetics, National Academy of Sciences of Ukraine, department of Human Genomics, Kiev, Ukraine	6
10	Coralie	Frassati	Laboratory of Anthropology, Genetics and Peopling history (AGP), Dpt. Of Anthropology and Ecology, University of Geneva	5
11	Anna	Gareeva	Genetics, Institute of Biochemistry and Genetics, Ufa Scientific Center, Russian Academy of Sciences, Russia	2
12	Nguyen	Giang	Biochemistry lab, the National Institute of Hygiene and Epidemiology, Hanoi, Vietnam	2
13	Fernanda Toledo	Gonçalves	Departamento de Medicina Legal, Ética Médica, Medicina Social e do Trabalho, São Paulo, Brasil	6
14	Tracy	Johnson	Armed Forces DNA Identification Laboratory, Rockville, Maryland, USA	4
15	Rebecca S.	Just	Armed Forces DNA Identification Laboratory, Rockville, MD, USA University of Maryland, College Park, MD, USA	7
16	Grzegorz	Kaczmarczyk	Jagiellonian University Medical College Department of Forensic Medicine, Krakow, Poland	5
17	Taeko	Kashima	Department of Biological Sciences, Graduate School of Science, University of Tokyo, Tokyo, Japan	5
18	Agnieszka	Krzyżañska	Molecular Technique Unit, Department of Forensic Medicine, Wrocław Medical University, Wrocław, Poland	5
19	Tomasz	Kupiec	Institute of Forensic Research, Cracow, Poland, Department of Forensic Medicine, Medical University of Gdansk, Gdansk, Poland	2
20	Chiara	Magri	Dipartimento di Genetica e Microbiologia, Università di Pavia, Pavia, Italy	3
21	Vedrana	Montana	Departments of Cell Biology and Neuroscience, University of California, Riverside, California	4
22	Renato	Polimanti	University of Rome "Tor Vergata", Rome, Italy	7
23	Caroline	Round	Research and Development, The Forensic Science Service, Birmingham, United Kingdom	4
24	Robert J.	Shelton	University of Denver, Department of Biological Sciences, Denver, Colorado, USA	3
25	Martina	Smolić	University of Connecticut Health Center, Farmington, CT, USA Faculty of Medicine Osijek, Osijek, Croatia	7
26	Antoinette	Westen	R&D human biological traces, Netherlands Forensic Institute, the Hague, the Netherlands	6

# List of selected lectures

No	Name	Surname	Institution	Participated in Conference No.
1	Šimun	Anđelinović	University Hospital Split, Split, Croatia	7
2	Pavel	Čapek	Charles University, Prague, Czech Republic	7
3	Andreas	Hellmann	Bundeskriminalamt, Kriminaltechnisches Institut, KT32, Wiesbaden, Germany	5
4	Brendan	Keating	University of Pennsylvania, Philadelphia, PA, USA	7
5	Elza	Khusnutdinova	Institute of Biochemistry and Genetics, Ufa, Russian Federation	5
6	Marie	Korabcena	Charles University in Prague, Faculty of Medicine Pilsen, Czech Republic	6
7	Laszlo	Mark	Institute of Biochemistry and Medical Chemistry, University of Pecs, Pecs, Hungary	5
8	Erika	Nagle	Department of Medical Biology and Genetics, Riga Stradiņš University	5
9	Ariadna	Nazarova	Institute of Ecology and Evolution Problems, Russia Academy of Sciences, Moscow, Russia	6
10	Reena	Roy	Penn State University, Forensic Science Program, Eberly College of Science, University Park, PA, USA	6
11	Vedrana	Škaro	Genos Ltd, Forensic DNA Laboratory, Zagreb, Croatia	7
12	Irina	Udina	N.I. General Genetics Institute RAS, Moscow, Russia	5
13	Angela	van Daal	Faculty of Health Sciences & Medicine, Bond University, Gold Coast, Queensland, Australia	5
14	Daniel	Vanek	Forensic DNA Service, Prague 7, Czech Republic;	5



# 9<sup>th</sup> ISABS Conference on Forensic, Anthropologic and Medical Genetics

Bluesun hotel Elaphusa / Bol, Island of Brač, June 22-26, 2015



We invite you to join us at the 9<sup>th</sup> ISABS Conference on Forensic, Anthropologic and Medical Genetics, Bol, Island of Brač, Croatia, June 22 - 26, 2015. 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](http://www.isabs.hr)).

#### **Spektar putovanja d.o.o.**

Congress Department . Tkalčićeva 15 . 10000 Zagreb . Croatia  
Tel. +385 1 4862-612 . Fax: +385 1 4862-622 . Mob. +385 98-228-614 . E-mail [isabs@spektar-holidays.hr](mailto:isabs@spektar-holidays.hr)

#### **International Society of Applied Biological Sciences – ISABS**

Kennediyev trg 6b . 10 000 Zagreb . Republic of Croatia . [www.isabs.hr](http://www.isabs.hr) . [info@isabs.hr](mailto:info@isabs.hr)