



International Society for Applied Biological Sciences



**ISABS Conference on Forensic, Anthropologic
and Medical Genetics and Mayo Clinic Lectures
in Translational Medicine**

Split, Croatia, June 24 – 28, 2013

www.isabs.hr



Dear Colleague,

We invite you to join us at the 8th ISABS Conference on Forensic, Anthropologic and Medical Genetics, Split, Croatia, June 24 – 28, 2013. 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).

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.

For ISABS 2013 we asked some most prominent scientists of today to help program directors in shaping and chairing conference sessions. We are pleased that the program in 2013 will be more interesting than ever and it will include the following topics: Mathematical Modeling in Cancer Therapy, Gene Therapy, Archaeological Genetics, New perspectives in Human Forensic Molecular Biology, Genomics in Medicine, Pharmacogenomics and Drug Development, Stem Cells in Medicine, Regenerative Medicine, Ribosomes in Medicine, Crime Scene Investigation, Forensic Genetics and Mass Catastrophe Managements. Together with several conference regulars, next year will bring many new and exciting names including Nobel Prize laureates Aaron Ciechanover, Robert Huber and Ada Yonath.

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 city of Split, a destination famous for its unspoiled nature, cultural and historical attractions and well developed tourist and sport offers.

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 crystal clear and warm sea, beautiful beaches, virgin nature, and the rich history and cultural heritage. And, above all, enjoy Croatia's warm and friendly people.

Moses Schanfield

Dragan Primorac

Stanimir Vuk-Pavlović

Program/Conference Directors





8th ISABS Conference on Forensic

Split, Croatia, June 24-28, 2013

Anthropologic and Medical Genetics and Mayo Clinic Lectures in Translational Medicine

Monday, June 24

All day Arrival and Registration
Noon First ISABS run and walk around historic Mount Marjan
Evening Welcome reception

Tuesday, June 25

AM *Introductory Plenary Session*
Public Security and Safety: Forensic, Medical and Policy Aspects
Noon *Commercial Exhibit Opening*
Nobel Lecture 1
PM *Forensic Sciences in Disaster Management*
Genetically Engineered T Cells
Evening *Poster Session I*
Meet the Professor

Wednesday, June 26

AM *NextGen Sequencing for Human Identification*
Advances in Regenerative Medicine 1
Noon *Technical Workshop*
Nobel Lecture 2
PM *Recent Advances in Forensic Molecular Biology*
Captured Next-Gen Sequencing for Deciphering Rare Monogenic Diseases
Evening *Social Nobel Lecture*
Young Investigator Awards

Thursday, June 27

AM *Advanced Methods for Forensic Practice*
Advances in Regenerative Medicine 2
Noon *Technical Workshop*
Nobel Lecture 3
PM *Anthropological Genetics*
Pharmacogenomics, Personalized Medicine and Drug Development
Evening *Poster Session II*
Meet the Professor

Friday, June 28

AM *New Paradigms in Clinical Trials*
Glycoscience in Personalized Medicine

Invited speakers (confirmed):

Inaugural Plenary Session: Science and Public Security

Zvia Agur (Institute for Medical BioMathematics, Tel Aviv, Israel):

[Can one theory guide both personalized medicine and national security policies?](#)

Christopher Asplen (Global Alliance for Rapid DNA Testing, Chalfont, Pennsylvania, USA):

[Future impact of rapid DNA technology on law enforcement](#)

Isaac Ben-Israel (Tel Aviv University, Tel Aviv, Israel):

[Forensics of cyber crime: The problem of attribution](#)

Henry Lee (University of New Haven, West Haven, Connecticut, USA):

[Application of DNA evidence in public safety](#)

Andre Terzic (Mayo Clinic, Rochester, Minnesota, USA):

[Regenerative medicine: a new paradigm](#)

Nobel Lectures

Aaron Ciechanover (Nobel Prize in Chemistry 2004; Technion, Haifa, Israel):

[Revolution of personalized medicine:](#)

[Will we cure all diseases and at what cost?](#)

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

[Protein structures at the interface of physics, chemistry and biology](#)

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

[From basic science to better antibiotics](#)

Forensic Program

Kenneth Aschheim (New York University, New York, New York, USA):

[Forensic odontology in disaster victim identification: new technologies](#)

Kaye Ballantyne (Victoria Police Forensic Services Department, Macleod, Victoria, Australia):

[Improved forensic Y-chromosome analysis](#)

Corina Benschop (Netherlands Forensic Institute, Hague, The Netherlands):

[Low template DNA analysis and interpretation](#)

Frederick Bieber (Harvard Medical School and Brigham and Women's Hospital, Boston, Massachusetts, USA):

[Role of statistical genetics in mass disaster management](#)

Zoran Budimlija (Office of Chief Medical Examiner, New York, New York, USA):

[Twelve years of World Trade Center Human Identification Project](#)

Barbara Butcher (Office of Chief Medical Examiner, New York, New York, USA):

[Science of mass fatality management](#)

Cassandra Calloway (Children's Hospital & Research Center Oakland, Oakland, California, USA):

[Analysis of DNA mixtures and degraded DNA by clonal sequencing](#)

Theresa Caragine (Office of Chief Medical Examiner, New York, New York, USA):

[Forensic casework after 9/11: Implementing new technologies](#)

Angel Carracedo (University of Santiago de Compostela, Santiago de Compostela, Spain):

[New genomic technologies in forensic science](#)





Katja Drobnič (National Forensic Laboratory, Ljubljana, Slovenia):
[Advanced methods in forensic practice](#)

Santo Davide Ferrara (University of Padua, Padua, Italy):
[Perspectives of biomedicolegal sciences](#)

Benjamin Figura (Office of Chief Medical Examiner, New York, New York, USA):
[Anthropology and fingerprinting: New techniques for identification](#)

Dan Frumkin (Nucleix Inc., Tel Aviv, Israel):
[Forensic epigenetics](#)

Cordula Haas (Institute of Legal Medicine, University of Zürich, Zürich, Switzerland):
[Gene expression in forensic sciences](#)

Mitchell Holland (Penn State University, University, Pennsylvania, USA):
[Forensic applications of NextGen Sequencing on 454 LifeSciences GS Junior and Illumina MiSeq instruments](#)

David Kaye (Penn State University, University Park, Pennsylvania, USA):
[Challenging arrestee DNA databases as invasions of privacy in light of ENCODE and other research](#)

Manfred Kayser (University of Rotterdam, Rotterdam, The Netherlands):
[Forensic DNA phenotyping](#)

Peter de Knijff (University of Leiden, Leiden, The Netherlands):
[Deep sequencing of 750 complete Dutch mtDNA genomes using NextGen Sequencing](#)

Timothy Palmbach (University of New Haven, Connecticut, USA):
[Leveraging the power of DNA analysis in the war on human trafficking](#)

Walther Parson (Institute of Legal Medicine, Innsbruck Medical University, Innsbruck, Austria):
[Forensic applications of NextGen Sequencing on LifeTechnologies Ion PGM instrument](#)

Dragan Primorac (University of Split and University of Osijek, Croatia; Penn State University and University of New Haven, USA):
[Epigenetic predictors of age](#)

Antti Sajantila (University of Helsinki, Helsinki, Finland):
[Progress in forensic pharmacogenomics](#)

Moses Schanfield (George Washington University, Washington, District of Columbia, USA):
[Population variation in X chromosome STR markers: Forensic and anthropologic considerations](#)

Peter Vallone (National Institute of Standards and Technology, Gaithersburg, Maryland, USA):
[Characterization of reference standards with NextGen Sequencing platforms](#)

Translational Medicine Program

Chiara Bonini (San Raffaele Scientific Institute, Milan, Italy):
[TCR gene editing for treatment of hematological malignancies](#)

Malcolm Brenner (Baylor College of Medicine, Houston, Texas, USA):
[How to make T cells a standard of care for cancer?](#)

Renier Brentjens (Memorial Sloan-Kettering Cancer Center, New York, New York, USA):
[Moving CAR modified T cell therapy of cancer forward in the clinic](#)

Laurence Cooper (MD Anderson Cancer Center, Houston, Texas, USA):

[Harnessing non-viral gene transfer for gene therapy using T cells](#)

Robert Deans (Athersys Inc, Cleveland, Ohio, USA):

[Adherent stem cells for CNS injury](#)

Henry Erlich (Roche Molecular Systems, Pleasanton, California, USA):

[Next Generation Sequencing in analysis of HLA polymorphism: clinical and research applications](#)

Arezou Ghazani (Harvard Medical School and Massachusetts General Hospital, Boston, Massachusetts, USA):

[Advances in nanotechnology and diagnostics](#)

David Goldstein (Duke University, Durham, North Carolina, USA):

[Exome sequencing of rare monogenic diseases](#)

Michael Jensen (Seattle Children's Hospital, Seattle, Washington, USA):

[Enhancing IQ of chimeric antigen receptor-redirceted T cells](#)

Doron Lancet (Weizmann Institute of Science, Rehovot, Israel):

[Biological tales of human disease mutations](#)

Steven Moran (Mayo Clinic, Rochester, Minnesota, USA):

[Hand and face transplantation at Mayo Clinic](#)

Jef Pinxteren (Regenesys, Haverlee, Belgium):

[Quality control validation of the Quantum® Cell Expansion System for isolation and culture of cell therapy products](#)

Elon Pras (Sheba Medical Center, Tel Hashomer, Israel):

[Towards the application of exome sequencing in the clinic](#)

Franklyn Prendergast (Mayo Clinic, Rochester, Minnesota, USA):

[Heterogeneity and accuracy of diagnostics for personalized medicine](#)

Yoel Rak (Tel-Aviv University, Tel Aviv, Israel):

[Neanderthal man's place in nature](#)

Dražen Raucher (University of Mississippi, Jackson, Mississippi, USA):

[Thermoresponsive biopolymers for tumor-specific drug delivery](#)

Isobel Scarisbrick (Mayo Clinic, Rochester, Minnesota, USA):

[Pharmacological approach to spine cord injury regeneration](#)

Rafael Sierra (Mayo Clinic, Rochester, Minnesota, USA):

[Hip decompression by bone marrow concentrate in early osteonecrosis of femoral head](#)

David I. Smith (Mayo Clinic, Rochester, Minnesota, USA):

[Next generation transcriptome analysis of human cancer](#)

Carmen Terzic (Mayo Clinic, Rochester, Minnesota, USA):

[Cardiac circulating progenitor cells and cardiac regeneration](#)

Peter Underhill (Stanford University, Stanford, California, USA):

[Patterns of Y-chromosome diversification](#)

Richard Villems (University of Tartu and Estonian Biocentre, Tartu, Estonia):

[Genetics of Slavic-speaking peoples: Patrilineal, matrilineal and autosomal portraits](#)

Stanimir Vuk-Pavlović (Mayo Clinic, Rochester, Minnesota, USA):

[Stemness arisen](#)

Peter de Waele (Cardio3 Biosciences, Mont-Saint-Guibert, Belgium):

[Treating congestive heart failure by autologous adherent progenitors](#)





Scott Waldman (Thomas Jefferson University, Philadelphia, Pennsylvania, USA):
[A common molecular mechanism at the intersection of obesity and colorectal cancer](#)

Michael Yaszemski (Mayo Clinic, Rochester, Minnesota, USA):
[Biodegradable scaffolds in bone and nerve regeneration](#)

Raphael Zidovetzki (University of California Riverside, Riverside, California, USA):
[Genetic scrutiny of systemic lupus erythematosus, a prototypic autoimmune disease](#)

Workshop “Adapting Clinical Trials to Modern Cancer Therapy”

Zwi Berneman (University of Antwerp, Antwerp, Belgium):
[Clinical perspectives of immunotherapy of hematopoietic malignancies](#)

Moran Elishmereni (Institute for Medical BioMathematics, Tel Aviv, Israel):
[Dynamic personalization of clinical trials 1](#)

Mauro Gasparini (Politecnico di Torino, Torino, Italy):
[New statistical tools for novel approaches to clinical trials in personalized medicine](#)

Yuri Kogan (Institute for Medical BioMathematics, Tel Aviv, Israel):
[Dynamic personalization of clinical trials 2](#)

Manish Kohli (Mayo Clinic, Rochester, Minnesota, USA):
[Use of biomarkers in personalized therapy of prostate cancer](#)

Gunnar Kvalheim (University of Oslo, Oslo, Norway):
[Clinical perspectives of immunotherapy of solid tumors](#)

Workshop “Glycoscience in Personalized Medicine”

Harry Campbell (University of Edinburgh, Edinburgh, Scotland, United Kingdom):
[IgG and plasma glycome in colorectal cancer](#)

John Hannover (National Institutes of Health, Bethesda, Maryland, USA):
[Hexosamine signalling pathway](#)

Gordan Lauc (University of Zagreb, Zagreb, Croatia):
[Common polymorphisms in glycosylation and human diseases](#)

Falk Nimmerjahn (Friedrich-Alexander University Erlangen-Nuremberg, Erlangen, Germany):
[Role of Fc glycosylation in IgG function](#)

Igor Rudan (University of Edinburgh, Edinburgh, Scotland, United Kingdom):
[GWAS analysis of the human plasma glycome](#)

Tim Spector (Kings College London, London, England, United Kingdom):
[Genetics and epigenetics of IgG glycosylation in twins](#)

Vlatka Zoldoš (University of Zagreb, Zagreb, Croatia):
[Epigenetic regulation of protein glycosylation](#)

Contact Information

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There's no place like Split!

Whenever we hear of something dire happening near or far away – be it hurricanes, storms, quakes, floods, volcanoes – we cannot help but recall Diocletian and praise him for his great wisdom in choosing such a fine place for this city of ours.

Were you to take the globe, turn it around, spin it like a whirligig, visit every place from the North Pole to the South, from Japan to the Americas, you would see there is nothing so perfectly positioned as this. Ideal in everything. We've got it all, all at hand and all close.

We've got the sea and the islands in front, to shield us from the perilous waves and give us somewhere to build our summer houses and take excursions.

It is not only the sea that we hold dear, but our river as well. River Jadro is not one of those great rivers that run wild and unpredictable, but rather one that gives us clean water to mix with our wine and wash our eyes of sleep. A place where it is oh so nice, when there is a fiesta in small city close to Split, Solin, to sit on the grass and fling lamb bones into the river after delicious meal.

In the heart of the Split we have a mountain, and not just any mountain but a most beautiful specimen with the finest peak imaginable. And on this Marjan mountain, woods whose darkness holds secrets of young loves forged, hidden away from inquisitive eyes. And though we have the sea and the hills and the river and the woods, none of them are a menace to us, making us feel well sheltered instead.

As for the climate, we simply can't complain. We are the sunniest city in all of Europe. And yet we are in no want of rain, because we have plenty. Every two or three years a smidgeon of snow falls for our young ones to see. When the summer becomes too hot to bear, the landward breeze keeps us cool. The wind bura blows to clear the air. We are in no danger of earthquakes for we do not have soil of elastic marl that stretches like rubber, and they can do no more than sway us a little.

Had we entrusted engineers with drawing such an ideal place on the map, we would not have got this for they would have forgotten or missed something. After all, it is not in vain that they say: "There's no place like Split!"

And still we complain how expensive everything in Split is! We ought to be happy and keep quiet, for even with no money jingling in our pockets, we are all just by living here - millionaires!

Miljenko Smoje

Croatian journalist, novelist and travel writer

Split October, 7, 1964





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.

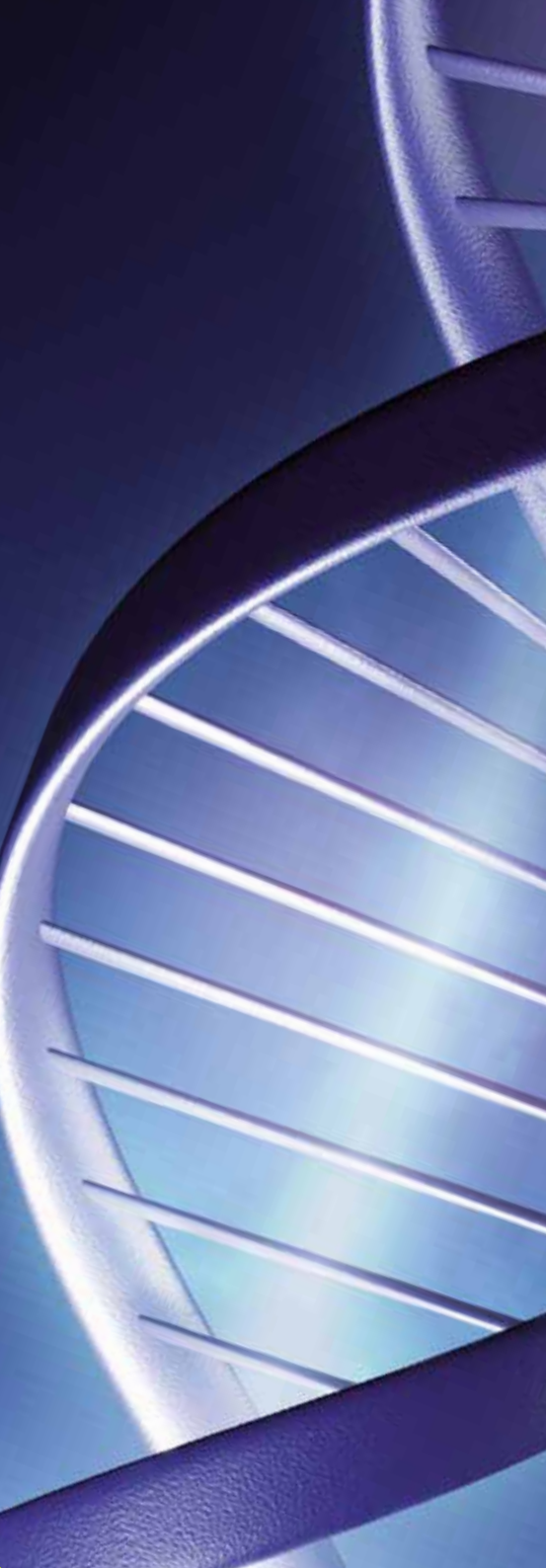
History of ISABS

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.

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 (www.cmj.hr).

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

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, 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, Panonian 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 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

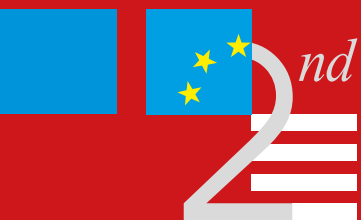
Number of participants

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

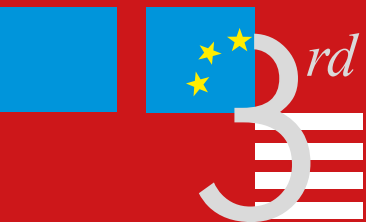
Number of participants

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

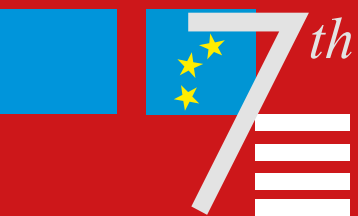
Number of participants

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



List of invited speakers

No	Name	Surname	Institution	Participated in Conference No.
1	Antonio	Alonso	National Institute of Toxicology and Forensic Sciences, Madrid, Spain	2, 3, 4
2	Ted	Anderson	International Commission on Missing Persons, Sarajevo, Bosnia and Herzegovina Armed Forces DNA Identification Laboratory, Rockville, MD, USA	2, 3
3	Theodore	Anderson	Armed Forces DNA Identification Laboratory, Armed Forces Institute of Pathology, Rockville, MD, USA	5
4	Šimun	Andelinović	University Hospital Split, Croatia	1
5	Darko	Antičević	University Hospital Center, Zagreb, Department of Orthopedics, Zagreb, Croatia	2
6	Christopher	Asplen	Smith Alling Lane, London, UK Gordon Thomas Honeywell Governmental Affairs, Washington, DC DNA 4 Africa, Chalfont, PA, USA	3, 4, 7
7	Charles	Auffray	CNRS, Villejuif, France	4
8	Dušica	Babović-Vuksanović	College of Medicine, Mayo Clinic, Rochester, MN, USA	7
9	Gideon	Bach	Hadassah University Hospital, Jerusalem, Israel	3
10	Michael	Baden	New York State Police, FSL, Albany, USA	1, 2, 3
11	Bostjan	Baebler	Clinical Hospital Ljubljana, Department of Orthopedics, Ljubljana, Slovenia	2
12	Kaye	Ballantyne	Victoria Police Forensic Services Department, Macleod, VIC, Australia	5
13	Jeff	Ban	Commonwealth of Virginia Criminal Justice System Division of Forensics Services, Richmond, VA, USA	2
14	Pavo	Baršić	Institute of Philosophy, Zagreb, Croatia	3
15	Melissa	Barker	Applied Biosystems, Foster City, CA, USA	6
16	Antonio	Bedalov	Fred Hutchinson Cancer Research Center, Seattle, WA, USA	2
17	Zwi	Berneman	University of Antwerp, Antwerp, Belgium	7
18	Frederick	Bieber	Harvard Medical School, Boston, MA, USA Brigham and Women's Hospital, Boston, MA, USA	2, 3, 4, 5, 6, 7
19	Andrea	Biondi	University of Milano, School of Medicine, Monza, Italy	1, 2
20	Nicolai	Bovin	Shemyakin & Ovchinnikov Institute of Bioorganic Chemistry, Moscow, Russian Federation	7
21	Christine	Boyer	Armed Forces DNA Identification Laboratory, Rockville, MD, USA	3
22	Malcolm	Brenner	Baylor College of Medicine, Houston, TX, USA	7
23	Fiona	Brew	Affymetrix, London, UK Phil Danielson University of Denver, Denver, CO, USA	3
24	Bernd	Brinkmann	Institut für Rechtsmedizin, Münster, Germany	2
25	Zoran	Budimlija	Office of Chief Medical Examiner, New York, NY, USA	3, 4, 5, 6, 7
26	Bruce	Budowle	FBI Laboratory, Quantico, VA, USA	1, 2, 3, 5
27	Dean	Burgi	Genomix-Beckman Instruments Inc., Foster City, USA Molecular Dynamics, Sunnyvale, CA, USA	1, 2
28	Casandra	Calloway	Roche Molecular Systems, Alameda, CA, USA Children's Hospital & Research Center Oakland, Oakland, CA, USA	2, 3, 5, 6
29	Theresa	Caragine	New York City Office of Chief Medical Examiner NYC OCME Department of Forensic Biology, New York, NY, USA	4, 6, 7
30	Filippo	Castiglione	NRC Institute for Computing Applications, Rome, Italy	7
31	Frank	Ciacio	National Transportation Safety Board, Washington, DC, USA	2
32	Michael	Coble	Armed Forces DNA Identification Laboratory, Rockville, MD, USA	6
33	Dave	Coffman	Florida Department of Law Enforcement, Tallahassee, FL, USA	3
34	Cecelia	Crouse	Palm Beach Sheriff's Office, Palm Beach, FL, USA	2, 4
35	Ivan	Damjanov	University of Kansas School of Medicine, Kansas City, USA	1
36	Yasser	Daoudi	Applied Biosystems, Foster City, CA, USA	3
37	Tracy	Dawson	George Washington University, Washington, DC, USA	3
38	Peter	de Knijff	Leiden University, Leiden, The Netherlands	2
39	Ranjan	Deka	University of Cincinnati College of Medicine, Cincinnati, OH, USA	5
40	Zlatko	Dembić	The National Hospital, University of Oslo, Norway	1
41	George	Dickson	School of Biological Sciences Royal Holloway University of London, Egham, UK	2
42	Allan B.	Dietz	Mayo Clinic College of Medicine, Rochester, MN, USA	1, 2, 3, 4
43	Pero	Dimoski	Applied Biosystems, Foster City, CA, USA	3
44	Tomislav	Domazet-Lošo	Ruder Bošković Institute, Zagreb, Croatia	5
45	Katja	Drobnič	Faculty of Criminal Justice and Security, UM and National forensic laboratory, MNZ Slovenia	5, 7
46	Boro	Dropulić	Johns Hopkins, Baltimore, MD, USA	1
47	Arthur	Eisenberg	University of North Texas Health Science Center, Fort Worth, TX, USA	2
48	Moran	Elishmereni	Institute for Medical BioMathematics, Bene Ataroth, Israel	7

List of invited speakers

No	Name	Surname	Institution	Participated in Conference No.¹
49	Henry	Erich	Roche Molecular Systems, Inc., Alameda, CA, USA	2, 4, 5, 6, 7
50	Christopher	Evans	Center for Advanced Orthopaedic Studies, Harvard Medical School, Boston, MA, USA	7
51	Matthew	Ferber	College of Medicine, Mayo Clinic, Rochester, MN, USA	7
52	Michael	Frank	Duke University, Durham, NC, USA	4
53	Coralie	Frassati	Department of Anthropology and Ecology, University of Geneva, Switzerland	5
54	Matthew	Gabriel	San Mateo County Sheriff's Office, Forensic Laboratory, San Mateo, CA, USA	2
55	Eithan	Galun	Hadassah University Hospital, Jerusalem, Israel Hebrew University, Jerusalem, Israel	3, 6
56	Gale	Gardiner	National Center for Health Statistics, Hyattsville, MD, USA	1
57	Dennis	Gastineau	Mayo Clinic College of Medicine, Rochester, MN, USA	3, 7
58	Nils	Gerke	Eppendorf AG, Hamburg, Germany	5
59	Arezou	Ghazani	Harvard Medical School and Massachusetts General Hospital, Boston, MA, USA	7
60	Dennis	Gilbert	Applied Biosystems, Foster City, CA, USA	3
61	Eli	Gilboa	Duke University, Durham, NC, USA	4
62	Peter	Gill	The Forensic Science Service, Birmingham, UK	2
63	Francis	Glorieux	McGill University, Shriners Hospital for Children, Montréal, QC, Canada	2, 3
64	Dora	Gransden	Promega, Madison, Wisconsin, USA	4
65	Esther	Guetta	Danek Gertner Institute of Human Genetics, Sheba Medical Center, Tel-Hashomer, Israel	7
66	Karin	Halevi	Institute for Medical BioMathematics, Bene Ataroth, Israel,	7
67	Joy	Halverson	QuestGen Forensics, Davis, CA, USA	4
68	Rebecca	Hamm	Armed Forces DNA Identification Laboratory, Rockville, MD, US	3
69	Michael F.	Hammer	University of AZ, Tucson, USA	4, 6
70	Andreas	Hellmann	Bundeskriminalamt, Kriminaltechnisches Institut, KT32, Wiesbaden, Germany	5
71	Carol	Henderson	Stetson University College of Law, Gulfport, FL, USA	7
72	Jürgen	Henke	Institut für Blutgruppenforschung, Köln, Germany	1, 2, 3, 4
73	Lotte	Henke	Institut für Blutgruppenforschung, Köln, Germany	2
74	Thierry	Hennet	Institute of Physiology, University of Zürich, Zürich, Switzerland	7
75	Manfred	Hochmeister	Department of Forensic Medicine, Bern, Switzerland,	1
76	Paula	Hoffman Wulff	American Prosecutors' Research Institute, Alexandria, VA, USA	4
77	Carsten	Hohoff	Institut für Rechtsmedizin, Münster, Germany	2
78	Charity	Holland	The Bode Technology Group, Inc., Springfield, VA, USA	2, 3
79	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
80	Robert	Huber	Nobel Laureate 1988, Max Planck Institute for Biochemistry, Martinsried, Germany, USA	4
81	Edwin	Huffine	International Commission on Missing Persons, Sarajevo, Bosnia and Herzegovina The Bode Technology Group Inc., Springfield, VA, USA	2, 3, 4, 5, 6
82	Volker	Huppert	Miltenyi Biotec GmbH, Bergisch Gladbach, Germany	2
83	David	James	Mayo Clinic College of Medicine, Rochester, MN, USA	4
84	Marty	Johnson	Applied Biosystems, Foster City, CA, USA	3
85	Susan	Jones	US Armed Forces Institute of Pathology, Washington, DC, USA	4
86	Stipan	Jonjic	School of Medicine, University of Rijeka, Rijeka, Croatia	7
87	Rebecca	Just	Armed Forces DNA Identification Laboratory, Armed Forces Institute of Pathology, Rockville, MD, USA	5
88	Grzegorz	Kaczmarczyk	Department of Molecular Biology and Clinical Genetics, Internal Medicine, Krakow, Poland	5
89	Tea	Kalebić	NCI, NIH, Bethesda, MD, USA	1
90	Francis	Kalush	Center for Devices and Radiological Health, Rockville, MD, USA	6
91	Sree	Kanthaswamy	CA National Primate Research Center, University of CA, Davis, CA, USA	6, 7
92	Taeko	Kashima	Department of Biological Sciences, Graduate School of Science, University of Tokyo, Tokyo, Japan	5
93	David	Kaye	Eberly College of Science, Penn State University, PA, USA	7
94	Manfred	Kayser	Erasmus MC - University Medical Center Rotterdam, Rotterdam, Netherlands	7
95	Linda B.	Kenney	Forensic Lawyer, Red Bank, NJ, USA	2, 3
96	Eliza	Khusnutdinova	Institute of Biochemistry and Genetics, Ufa, Bashkortostan, Russian Federation	5
97	Ofer	Klein	Rebecca Slieff Medical Center and BioCep, Ltd., Safed, Israel	7

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No	Name	Surname	Institution	Participated in Conference No.
98	Jean-Pierre	Kocher	Mayo Clinic College of Medicine, Rochester, MN, USA	5, 6, 7
99	Yuri	Kogan	Institute for Medical BioMathematics, Bene Ataroth, Israel	7
100	Ivica	Kostović	Zagreb University School of Medicine, Zagreb, Croatia	1
101	Benjamin	Krenke	Promega Corporation, Madison, WI, USA	2
102	Agnieszka	Krzyżalska	Molecular Technique Unit, Department of Forensic Medicine, Wrocław Medical University, Wrocław, Poland	5
103	Milovan	Kubat	Zagreb University School of Medicine, Zagreb, Croatia	1
104	Gunnar	Kvalheim	Norwegian Radium Hospital, University of Oslo, Oslo, Norway	7
105	Greggory	LaBerge	Denver Police Department and University of Colorado Health Sciences Center, Denver, CO, USA	3
106	Marc	Ladanyi	Memorial Sloan-Kettering Cancer Center, New York, NY, USA	2
107	Carl	Ladd	Connecticut State Police, Connecticut Forensic Science Laboratory, Meriden, CT, USA	2, 3
108	Doron	Lancet	The Weizmann Institute of Science, Rehovot, Israel	3, 4, 6, 7
109	Gordan	Lauc	Faculty of Pharmacy and Biochemistry, University of Zagreb, Croatia	7
110	Demris	Lee	Armed Forces DNA Identification Laboratory, Rockville, MD, USA	4
111	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
112	Hakon	Leffler	Lund University Hospital Solvegatan, Lund, Sweden	7
113	Hans	Lehrach	Max Planck Institute for Molecular Genetics, Berlin, Germany	4
114	Alexander	Lichtler	University of Connecticut School of Medicine, Farmington, CT, USA	2
115	Debang	Liu	Oligotrail, LLC, Evanston, IL, USA	2
116	José Antonio	Lorente	University of Granada, Granada, Spain	2, 3, 4, 5, 6
117	Stephen	Lupton	Promega Corporation, Madison, WI, USA	3
118	Slobodan	Macura	Mayo Clinic, Rochester, MN, USA	3
119	Henning	Madry	Saarland University Hospital and Saarland University of Medicine, Hamburg, Germany	7
120	Nino	Margetić	National Centre for Genotyping, Paris, France	3
121	Damir	Marjanović	Institute for Genetic Engineering and Biotechnology INGEB, Sarajevo, Bosnia and Herzegovina Genos, DNA lab, Zagreb, Croatia	5, 6, 7
122	Laszlo	Mark	Institute of Biochemistry and Medical Chemistry, University of Pecs, Pecs, Hungary	5
123	Alemka	Markotić	Institute of Immunology, Zagreb, Croatia University Hospital for Infectious Diseases "Dr. Fran Mihaljević" School of Medicine, University of Rijeka, Croatia	4
124	Massimo	Martelli	University of Perugia, Perugia, Italy	2
125	Boris	Martinac	Victor Chang Cardiac Research Institute, Sydney, NSW, Australia	7
126	Irena	Martinović Klarić	Institute for Anthropological Research, Zagreb, Croatia	5
127	Ana	Marušić	School of Medicine, University of Zagreb, Croatia	2
128	Tonči	Matulić	School of Catholic Theology, Zagreb, Croatia	3
129	Thomas	Meitinger	Institute of Human Genetics, Technical University, Munich GSF National Research Institute, Neuherberg, Germany	3
130	Terry	Melton	Mitotyping Technologies, LLC, State College, PA, USA	2, 3
131	Marilyn	Menotti-Raymond	Laboratory of Genomic Diversity, National Cancer Institute, Frederick, MD, USA	2, 3, 5, 7
132	Rebecca	Mikulasovich	NYC Office of Chief Medical Examiner, New York, NY, USA	5
133	Heather	Miller Coyle	Coyle Connecticut State Police, Connecticut Forensic Science Laboratory, Meriden, CT, USA	2, 3, 4
134	Adele	Mitchell	Office of Chief Medical Examiner of New York City, New York, NY, USA	6
135	Stephen	Morse	Center for Disease Control and Prevention, Atlanta, Georgia, USA	4
136	Monica	Mottes	University of Verona, Verona, Italy	2
137	Thomas	Mozer	Promega Corporation, Madison, WI, USA	2
138	John R.	Myriad	Genetic Laboratories, Salt Lake City, UT, USA	3
139	Erika	Nagle	Department of Medical Biology and Genetics, Riga Stradiņš University, Riga, Latvia	5
140	Frans	Nauwelaers	BD Biosciences Europe, Erembodegem, Belgium	2
141	Tahnee M.	Nelson	San Francisco Police Department, San Francisco, CA, USA	5
142	Garth	Nicolson	Institute for Molecular Medicine, Huntington Beach, CA, USA	4
143	Dean	Nižetić	University of London, School of Pharmacy, London, UK	2, 3
144	Brenda	Ogle	Mayo Clinic College of Medicine, Rochester, MN, USA	4
145	Nicola	Oldroyd	Applied Biosystems Europe, Warrington, UK	2, 4

List of invited speakers

No	Name	Surname	Institution	Participated in Conference No.¹
146	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
147	Giorgio	Palù	University of Padova, Padova, Italy	7
148	Vladimir	Parpura	University of CA, Riverside, CA, USA	4
149	Walther	Parson	Institute of Legal Medicine, Innsbruck, Austria	2, 3
150	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
151	Vincenzo	Pascali	Catholic University of the Sacred Heart, Rome, Italy	3
152	Giuseppe	Passarino	Department of Cell Biology, University of Calabria, Rende, Italy	5
153	Krešimir	Pavelić	Institute Ruder Bošković, Zagreb, Croatia	1, 2, 3
154	Madhusudan	Peshwa	Dendreon Corporation, Seattle, WA, USA	2
155	Pier Franco	Pignatti	Institute of Biology and Genetics University of Verona, Italy	1, 2, 3
156	Jef	Pinxteren	ReGenesys, Heverlee, Belgium	7
157	Mario	Pirastu	Institute of Population Genetics, National Research Council, C.N.R., Alghero and Sharda Life Sciences Cagliari, Italy	5
158	Haskell	Pitluck	McHenry County Circuit Court, Woodstock, IL, USA	2, 3
159	Doros	Platika	Centegenetix, Cambridge, MA, USA	3
160	Jeffrey	Platt	Mayo Clinic College of Medicine, Rochester, MN, USA	3, 4
161	Gregory	Poland	Mayo Clinic College of Medicine, Rochester, MN, USA	4
162	Giulio	Pompilio	University of Milan, Milan, Italy	7
163	Tanja	Popović	Centers for Disease Control and Prevention, Atlanta, GA, USA	3
164	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
165	Mechthild	Prinz	Office of Chief Medical Examiner, New York, NY, USA	2, 3
166	Raj	Puri	Food and Drug Administration, Bethesda, MD, USA	3
167	Miroslav	Radman	Jacob Monod Institute, Paris, France University of Paris V, Medical School Necker, Paris, France	1, 2
168	Danica	Ramljak	NCI, NIH, Frederick, MD, USA	1
169	Erdmann	Rapp	Max Planck Institute for Dynamic of Complex Technical Systems in Magdeburg, Germany	7
170	Dennis	Reeder	Applied Biosystems, Foster City, CA, USA	2
171	Ronald	Reinstein	Supervising Criminal Court, Maricopa County, AZ, USA	4
172	Yair	Reisner	The Weizmann Institute of Science, Rehovot, Israel	2, 4
173	Rebecca	Reynolds	Roche Molecular Systems, Inc., Alameda, CA, USA	2
174	Richard J.	Roberts	1993 Nobel Prize in Physiology or Medicine New England Biolabs, Ipswich, MA, USA	6
175	Lutz	Roewer	Institute of Legal Medicine, Charité University of Medicine, Berlin, Germany	5
176	Doug	Ross	Stanford University School of Medicine, Stanford, CA, USA	2
177	David	Rowe	University of Connecticut School of Medicine, Farmington, CT, USA	2, 3
178	Pavao	Rudan	University of Zagreb, Zagreb, Croatia Institute for Anthropological Research, Zagreb, Croatia	4, 5
179	Pauline	Rudd	The National Institute for Bioprocessing Research and Training, Dublin, Ireland	7
180	Stephen	Russell	Mayo Clinic, Rochester, MN, USA	3
181	Antti	Sajantila	Department of Forensic Medicine, University of Helsinki, Helsinki, Finland	3, 5, 6, 7
182	Moses	Schanfield	Analitical 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
183	Edgar	Schreiber	Celera Diagnostics, Alameda, CA, USA	3
184	Dagmar	Schuster	Perkin Elmer, European Life Science Center, Langen, Germany	1
185	Michal	Schwartz	The Weizmann Institute of Science, Rehovot, Israel	2
186	Aleksandar	Sekulic	Mayo Clinic, Scottsdale, AZ, USA	6
187	Eliezer	Shalev	Rappaport Faculty of Medicine, Technion-Israel Institute of Technology, Haifa, Israel	7
188	Stavit A.	Shalev	Human Genetic Center, Ha'emek Medical Center, Afula Technion-Israel Institute of Technology, Haifa, Israel	7
189	Artemis	Simopoulos	The Center for Genetics, Nutrition and Health, Washington, DC, USA	7
190	Sudhir	Sinha	ReliaGene Technologies, Inc., New Orleans, LA, USA	2
191	Paul	Sledzik	National Museum of Health and Medicine, AFIP, Washington, DC, USA	2

List of invited speakers

No	Name	Surname	Institution	Participated in Conference No.*
192	Alan	Smith	Osiris Therapeutics, Inc., Baltimore, MD, USA	2
193	Brion C.	Smith	Armed Forces DNA Identification Laboratory, Armed Forces Institute of Pathology, Rockville, MD, USA	5
194	David I.	Smith	Mayo Clinic College of Medicine, Rochester, MN, USA	4, 6, 7
195	Debbie	Smith	Williamsburg, VA, USA	4
196	Davor	Solter	Max Planck Institute of Immunobiology, Freiburg, Germany	2, 3, 4
197	Mark	Spigelman	Tel Aviv, Israel	6
198	Ana	Stavljenić Rukavina	Clinical Institute of Laboratory Diagnostics, Zagreb, Croatia	1
199	Kári	Stefánsson	deCODE Genetics, Reykjavik, Iceland	6
200	Daniela	Steinberger	Institute of human genetics, Justus Liebig University, Giessen and biologis, Frankfurt am Main, Germany	7
201	Mark	Stoneking	Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany	4, 7
202	Branimir	Šikić	Stanford University School of Medicine, Stanford, CA, USA	1, 2
203	Igor	Štagljar	University of Toronto, Toronto, Ontario, Canada	4
204	Poonam	Taneja	Molecular Devices, MDS Analytical Technologies Sunnyvale, CA, USA	5
205	Raimo	Tanzi	Applied Biosystems Europe, Monza, Italy	2, 4
206	Ron	Tepper	Sapir Medical Center, Kfar Saba, Israel	7
207	Andre	Terzic	Mayo Clinic College of Medicine, Rochester, MN, USA	4, 6, 7
208	Carmen	Terzic	College of Medicine, Mayo Clinic, Rochester, MN, USA	7
209	L. David	Tomei	Xenomics Inc., Richmond, CA, USA	3
210	Christine	Tomsey	Pennsylvania State Police, Greensburg, PA, USA	2
211	Martin	Tracey	Florida International University, Miami, FL, USA	2
212	Petros	Tsipouras	University of Connecticut School of Medicine, Farmington, CT, USA	1, 2, 3
213	Chris	Tyler-Smith	CRC Chromosome Molecular Biology Group, Department of Biochemistry, University of Oxford, Oxford, UK	2
214	Irina	Udina	N.I. General Genetics Institute RAS, Moscow, Russian Federation	5
215	Peter	Underhill	Stanford University Medical Center, Stanford, CA, USA	3, 5, 7
216	Angela	van Daal	Faculty of Health Sciences & Medicine, Bond University, Gold Coast, Queensland, Australia	5
217	Pieter	van Oers	Applied Biosystems, Foster City, USA	5
218	Daniel	Vanek	Forensic DNA Service, Prague, Czech Republic	5, 6, 7
219	George	Vasmatzis	Mayo Clinic College of Medicine, Rochester, MN, USA	5, 6, 7
220	Richard	Villems	Institute of Molecular and Cell Biology, University of Tartu Estonian Biocentre, Tartu, Estonia	5, 7
221	Samuel	Volchenboum	University of Chicago, Chicago, IL, USA	7
222	Slobodan	Vukićević	Zagreb University School of Medicine, Zagreb, Croatia	1, 2
223	Stanimir	Vuk-Pavlović	Mayo Clinic College of Medicine, Rochester, MN, USA	1, 2, 3, 4, 7
224	Scott A.	Waldman	Jefferson Medical College, Thomas Jefferson University, PA, USA	6
225	Richard	Weinshilboum	Mayo Clinic, Rochester, MN, USA	3
226	Patrick	Willems	Syngene, Mechelen, Belgium	3
227	Eske	Willerslev	University of Copenhagen, Copenhagen, Denmark	7
228	Erin	Williams	Foundation for Genetic Medicine, Inc., Manassas, VA, USA Foundation for Genetic Medicine, Reston, VA, USA	2, 3
229	Catherine	Wu	University of Connecticut School of Medicine, Farmington, CT, USA	2, 3
230	George	Wu	University of Connecticut School of Medicine, Farmington, CT, USA	2, 3, 7
231	Manfred	Wuhrer	Leiden University Medical Center, Leiden, The Netherlands	7
232	Elisa	Wurmback	New York City Office of Chief Medical Examiner NYC OCME Department of Forensic Biology, New York, NY, USA	6
233	Simcha	Yagel	Hadassah Medical Center, Hebrew University of Jerusalem, Jerusalem, Israel	7
234	Kristin	Young	University of Kansas Medical Center, Kansas City, KS, USA	7
235	Dušan	Zečević	Zagreb University School of Medicine, Zagreb, Croatia	1
236	Ljiljana	Zergollern-Čupak	Zagreb University School of Medicine, Zagreb, Croatia	1

* **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)

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	Krzyżaniska	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	Andelinović	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

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

Hotel Le Méridien Lav, Split, Croatia, June 24 - 28, 2013

We invite you to join us at the 8th ISABS Conference on Forensic, Anthropologic and Medical Genetics, Split, Croatia, June 24 – 28, 2013. 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).



Organizer:



International Society
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