



THE 12TH ROMANIAN-GERMAN GENETICS SYMPOSIUM



“MEDICAL GENETICS, TODAY”

**ORADEA
10 – 12 MAY 2026**

This is the 12th edition of the Romanian-German Symposium on Medical Genetics, an anniversary edition marking 30 years since its first organization. Initiated in 1996 by Professors Constantin Maximilian (†1997) and Eberhard Passarge, the symposium originated as an expression of Romanian-German academic collaboration, aimed at fostering the exchange of experience and the advancement of medical genetics. Over the years, through the dedication and involvement of Acad. Prof. Dr. Marius Bembea and Prof. Dr. Oliver Bartsch, this scientific event has evolved harmoniously, acquiring an international character and bringing together, from one edition to the next, distinguished experts from numerous countries. Thus, the symposium continues to serve as a forum for scientific dialogue, collaboration, and academic friendship, with Oradea naturally becoming a meeting place for the international medical genetics community. The aim of the symposium is to highlight the most recent advances in the field of human genetics, including the molecular and cellular mechanisms underlying normal and pathological development, as well as current progress in medical genetics, with a particular focus on genomic medicine. The scientific program seeks to integrate theoretical perspectives with practical, clinical, and laboratory applications, thereby facilitating the transfer of knowledge between research and medical practice. We hope that this edition will represent not only a platform for the presentation of scientific excellence, but also a space for dialogue, reflection, and professional development, especially dedicated to young medical residents and specialists. Through direct interaction with internationally recognized experts, participants will have the opportunity to deepen their knowledge, initiate collaborations, and actively connect with the international scientific community in the field of medical genetics.

Prof. Dr. Oliver Bartsch

Prof. Dr. Claudia Jurca

University of Oradea-Faculty of Medicine and Pharmacy - ROMANIA

Universities of Mainz and Essen - GERMANY

University of Greenville, South Carolina - USA

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Romanian Society of Medical Genetics

- Oradea Branch -

Romanian Physicians College - Bihor Physicians College

Bihor County Emergency Clinical Hospital

Regional Center of Medical Genetics, Oradea

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Invited Speakers

Oliver BARTSCH

oliver.bartsch@unimedizin-mainz.de

MVZ Humangenetik, Universitätsmedizin Mainz
Johannes Gutenberg - Universität Mainz, Germany

Robert BEST

hlxhlxbest@gmail.com

Distinguished Professor Emeritus, University of
South Carolina
Senior Technical Director, Clinical Cytogenetics,
Laboratory Corporation of America, USA

Peterlin BORUT

borut.peterlin@kclj.si

Head of the Clinical Institute of Genomic Medicine
at the University Medical Center Ljubljana,
Slovenia

Eric LEGIUS

eric.legius@uzleuven.be

Centrum Menselijke Erfelijkheid
UZ Gasthuisberg, Leuven, Belgium

Aleš MAVER

Ales.Maver@kclj.si

Clinical Institute of Genomic Medicine at the
University Medical Center Ljubljana, Slovenia

Alexandre REYMOND

alexandre.reymond@unil.ch

Center for Integrative Genomics
University of Lausanne

Horia STĂNESCU

h.stanescu@ucl.ac.uk

University College London (UCL), United
Kingdom

Khoon Ghee Queenie TAN

tan.khoongheequeenie@mayo.edu

Senior Associate Consultant Clinical Genomics
Mayo Clinic, USA

Ulrich ZECHNER

u.zechner@wisplinghoff.de

Head of Molecular Biology
Laboratory "Dr. Wisplinghoff" Cologne, Germany

Offered Speakers

Magdalena BUDIȘTEANU

magda_efrim@yahoo.com

Associate professor; MD PhD

Clinical Hospital of Psychiatry "Alexandru Obregia", Bucharest

Florin BURADA

florinburada2000@yahoo.com

Professor of Medical Genetics, MD PhD

University of Medicine and Pharmacy, Craiova

Eusebiu Vlad GORDUZA

vgord@mail.com

Professor of Medical Genetics, MD PhD

University of Medicine and Pharmacy "Grigore T. Popa", Iași

Claudia JURCA

claudiajurca70@yahoo.com

Professor of Medical Genetics, MD PhD

Faculty of Medicine and Pharmacy, University of Oradea

Vasilica PLĂIAȘU

vasilica.plaiasu@gmail.com

Senior specialist, consultant in Medical Genetics, MD, PhD

National Institute of Mother and Children Health, Bucharest

Cristina RUSU

abcrusu@gmail.com

Professor of Medical Genetics, MD PhD

University of Medicine and Pharmacy "Grigore T. Popa", Iași

Emilia SEVERIN

emilia.severin@umfcd.ro

Professor of Medical Genetics, MD PhD

University of Medicine and Pharmacy "Carol Davila", Bucharest

Romana VULTURAR

romanavulturar@gmail.com

Professor of Cell and Molecular Biology, geneticist, MD PhD

University of Medicine and Pharmacy "Iuliu Hațieganu", Cluj-Napoca

PROGRAM

Day	Time	Speaker / Chair	Title
	18:00-18:30	Official Opening	
Sunday 10.05.2026	18:30-19:15	Alexandre Reymond	Modeling inheritance modes of Mendelian syndromes
	19:15-19:45	Florin Burada	Discordant NIPT results: causes, challenges and clinical impact
Monday 11.05.2026	08:15-09:00	Oliver Bartsch	Hereditary degenerative joint disease (arthrosis, osteoarthritis, chondrocalcinosis)
	09:00-09:45	Eric Legius	Neurofibromatosis, Legius syndrome, schwannomatosis and related conditions
	09:45-10:15	Eusebiu Vlad Gorduza	Epilepsy: a multifaceted disease. How important is the genetic etiology?
	10:15-10:35	Claudia Jurca	Vamorolone: A dissociative corticosteroid designed for the treatment of DMD (<i>Genesis Pharma Symposium</i>)
	10:35–11:00	Coffee Break	
	11:00-11:45	Borut Peterlin	Public Health Genomics: A strategic imperative for prevention and precision at scale
	11:45-12:30	Ales Maver	Facilitating interpretation of genomic data through phenotype-based and machine learning approaches
	12:30-12:50	Claudia Jurca	Seeing the unseen: recognizing NF1 earlier (<i>AstraZeneca Symposium</i>)
	12:50-14:05	Lunch	
	14:05-14:50	Ulrich Zechner	Liquid Biopsy as a Tool for Genomic Precision Oncology
	14:50-15:35	Alexandre Reymond	Variable Expressivity, Reduced Penetrance, Pleiotropy: the 16p11.2 CNVs paradigm
	15:35-16:20	Horea Stănescu	Population Genetics: The cornerstone of personalized medicine
	16:20-16:45	Coffee Break	
	16:45-17:30	Queenie Tan	Congenital disorders of glycosylation
	17:30-17:55	Romana Vulturar	Does the biochemical level still matter in the era of genomics?
	17:55-18:40	Robert Best	The evolving view of chromosomes as instruments of diagnosis (online presentation)
	20:00-22:00	Dinner	

PROGRAM

Day	Time	Speaker/ Chair	Title
Tuesday 12.05.2026	08:30-09:15	Borut Peterlin	Reproductive genomics: Redesigning guidance for contemporary technologies and choices
	09:15-10:00	Ulrich Zechner	From Phenotype to Genotype: Understanding Malignant Hyperthermia
	10:00-10:45	Horia Stănescu	Evolutionary Medicine in the Age of Genomics
	10:45-11:05	Claudia Jurca	The importance of early diagnosis in the treatment of spinal muscular atrophy (<i>Novartis Symposium</i>)
	11:05-11:30	Coffee Break	
	11:30-12:15	Eric Legius	Mosaicism in genetic disease
	12:15-12:45	Vasilica Plăiașu	Many shades of fat - a clinical geneticist's perspective
	12:45-13:30	Queenie Tan	Metabolic emergencies
	13:30-14:00	Emilia Severin	Dental anomalies as an expression of genetic variability: from genes to the dental phenotype
	14:00-15:15	Lunch	
	15:15-16:00	Eric Legius	Bayes theorem in genetic counselling for risk estimation
	16:00-16:45	Queenie Tan	Prader Willi Syndrome
	16:45-17:15	Cristina Rusu	Diagnostic challenges in Turner syndrome
	17:15-17:45	Coffee Break	
	17:45-18:15	Magdalena Budișteanu	Phenotypic Features Associated with 22q Deletion and Duplication
	18:15-19:00	Robert Best	Optical Genome Mapping in clinical laboratory genomics (online presentation)
	19:00-19:30	Claudia Jurca Oliver Bartsch	Conclusions. Official closing
	20:00-22:00	Dinner	
Please note that questions and discussions following each presentation are highly encouraged. A brief summary of each presentation, along with relevant literature references, will be provided. Please wear your name badge throughout the course.			

