Introduction:
On 19-20th October, the International Association of Medical Genetics MAGI will hold its second international congress for researchers, doctors and associations concerned with genetic and rare diseases. In line with the European vocation of the founders of MAGI, the congress will bring together experts from all of Europe, including eastern European countries. For the latter, funds have been earmarked to enable a limited number of researchers to participate free of charge with reimbursement of travel and accommodation expenses.

Most genetic diseases are rare and severely invalidating. Because their onset occurs at birth or in childhood, medical intervention must be organized in a transnational network that enables samples for diagnostic tests, therapeutic protocols and knowledge for well orientated top level research to be transferred rapidly.

This year the accent of the congress will be on diagnostic discoveries and advances in therapeutic protocols (new surgical techniques, use of stem cells, gene therapy and rehabilitation) and on the work of research centres and drug companies for the production of orphan drugs. A highlight will be the opening lecture by Prof. Lucio Luzzatto on new therapeutic approaches to cancer.

European representatives of the Orphanet consortium and of the agency for the development of European projects APRE will be present at the congress to illustrate the European network of rare diseases and applications for 7th Programme European research grants.
First Session
9.00-10.00 Introduction
- Introduction by the founding members of MAGI Association
- Presentation of Trentine Rotary Club project for MAGI Association
- Welcome by local authorities
- Lecture: Management of health service in the molecular medicine era
  Dr. Mario Magnani, Consiglio Regionale del Trentino Alto Adige

Scientific Section
10.00-12.00 Oncology
- Lettura magistrale: Approcci terapeutici al cancro
  Opening lecture: Therapeutic approaches to cancer
  Prof. Lucio Luzzatto, Direttore Scientifico dell'Istituto Toscani Tumori
- Studio epidemiologico e genetico di una famiglia allargata protetta dal cancro
  Epidemiology and genetics of an extended family with cancer protection
  Dottor Roberto Luongo, Associazione Riva del Garda (TN)
- PARP-1: quale ruolo nella salute e nella malattia?
  PARP-1: Role in health and disease?
  Professoressa Silvia Sestini, Dpt Biologia Molecolare, Università di Siena
- Studio clinico e prevenzione nelle famiglie con sindrome di Li-Fraumeni
  Clinical study and prevention in families with Li-Fraumeni syndrome
  Dottor Alberto Bottini, Ospedale di Cremona

12.00-13.00 Cystic fibrosis
- Esperienza del centro trentino per la cura della fibrosi cistica
  Experience of the Trentino Cystic Fibrosis Centre
  Dottor Ermanno Baldo, Ospedale Civile Rovereto
- Genotipizzazione della pseudomonas nei pazienti affetti da fibrosi cistica
- Genotyping of Pseudomonas in cystic fibrosis patients
- Contributo della genomica comparata e funzionale alla comprensione della patogenesi microbica
- Contribution of comparative and functional genomics to bacterial pathogenesis
  Professor Olivier Jousson, Faculty of Sciences, University of Trento

13.30-14.30 Lunch
Second Session

14.30-16.30 Neurology

- Cellule staminali autologhe: applicazioni cliniche nella Sclerosi Laterale Amiotrofica
  Autologous stem cells: clinical applications in Amyotrophic Lateral Sclerosis
  Prof.ssa Letizia MAzzini, Department of Neurology "Eastern Piedmont University" Novara

- Diagnostic approach to unexplained hypouricemia
  Dr. Ivan Sebesta, Inst. Inher. Metab. Dis., First Faculty of Medicine, Charles University Prague, Czech Republic

- Microarray gene expression profiling of inherited metabolic diseases
  Prof. Tony Marinaki, Purine Research Laboratory, Guy's Hospitals London, UK

- Cause dell'Ictus Giovanile
  Causes of juvenile stroke
  Dr Gian Paolo Anzola, Ospedale Sant'Orsola Brescia

- Controllo dell'RNA nei neuroni: proteine che legano l'RNA e patologie
  Controlling neuronal RNA: RNA-binding proteins and disease
  Prof. Paolo Macchi, Center for Brain Research, University of Vienna

16.30-17.30 Cardiology

- Il ruolo della genetica molecolare nella pratica cardiologica quotidiana
  The role of molecular genetics in everyday cardiological practice
  Dr Marini Massimiliano APSS Trento

- Stato dell'arte della cardiologia interventistica nella patologia dei difetti del setto interatriale
  State of the art of Interventional Cardiology in Atrial Septal Defects
  Dr Eustaquio Onorato Ospedale Sant’Orsola Brescia

17.30-18.00 European projects

- Il 7° programma quadro: Tema salute
  7th Framework: Health
  Dott.ssa Diassina Dimaggio, Agenzia APRE, Roma

DAY 2

First session
9.00-11.30 Clinical genetics
- An European database for rare diseases: the experience of Orphanet
  Dott.ssa Ana Rath Orphanet Conson Paris
- Presentazione del servizio di informazione sulle malattie rare dell’Istituto Mario Negri
  The Rare Diseases Information Center of the Mario Negri Institute
  Dottor Luca Barcella, Center for rare diseases “Aldo e Cele Dacco, Mario Negri Institute
- Consulenza teratologica sugli effetti dei farmaci assunti in gravidanza
  Teratological counselling on effects of drugs taken during pregnancy
  Dott.ssa Silvia Belli, Servizio di consulenza genetica APSS Trento
- Terapia odontoiatrica nei pazienti con malattie genetiche e rare
  Dental therapy in patients with rare genetic diseases
  Dottor Valesi Penso, APSS Trento
- The gene therapy approach for inherited skin blistering diseases
  Prof. Guerrino Meneguzzi Faculté de Médecine Université de Nice, France

11.30-13.30 Medical biotechnologies
- Alterazioni dell’mRNA editing riscontrate in malattie neurologhe
  Changes in mRNA editing in neurological diseases
  Dottor Matteo Bertelli, Associazione Riva del Garda (TN)
- Translational profiling: a new systems-based perspective
  “Profili traduzionali: una nuova prospettiva di biologia dei sistemi ”
  Professor Alessandro Quattrone, Università di Trento
- Studio del proteoma nelle patologie umane
  Proteomics in human diseases
  Professoressa Annalisa Santucci Dpt Biologia Molecolare, Università di Siena
- HLA e Malattie
  HLA and diseases
  Dottoress Nadia Ceschin e Prof. Paolo Gottardi, APSS Trento
- Le sindromi paraneoplastiche neurologiche
  Neurological paraneoplastic syndromes
  Dottor Lorenzo Lo Russo, Ospedale Mellino Mellini di Chiari (BS)
- Spinal cord motor neuron differentiation, connectivity, and regeneration
  Prof. Stefano Stifani, McGill University Montreal Neurological Institute, Quebec Canada

13.30-14.30 Lunch

Second Session

14.30-15.45 Preventive medicine

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- Suitable nutrition as an important tool against civilization diseases: soy products
  
  Prof. Ing. Jan Káš, Dr.Sc., Dept. of Biochemistry and Microbiology, ICT Prague

- La dieta in soggetti con malattie metaboliche ereditarie: l’esempio delle iperuricemie

- Diet for hereditary metabolic disease patients: the example of hyperuricemia

  Professor Giuseppe Pompucci, Università di Siena

16.00-17.00 Biotechnological research and development
- Sviluppo delle aziende biotecnologiche in Trentino
- Development of biotech firms in Trentino
  
  Dott.ssa Renata Diazzi director of CEII Trento

- L’esperienza della MAGI’S LAB S.r.l.
  
  The experience of MAGI’S LAB S.r.l.
  
  Dottor Matteo Bertelli, Associazione MAGI onlus & MAGI’S LAB S.r.l.

17.00-18.00 Prize giving and conclusion

SOCIAL ACTIVITIES

Friday 19th October (separate registration)

21.00-22.30 Gala Dinner for speakers and guests