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| **Sunday 08.05.2016, Medical University, 55 Marin Drinov Str., Auditorium 2, 3rd floor** |
| 9.30-10.00 |  Lyudmila Angelova | European School of Medical Genetics – tradition and school for training young specialists |
| 10.00-10.30 | G. Romeo | Introduction to the course |
| 10.30 – 11.15 | D. Donnai | Medical Genetics Today |
| 11.15 – 12.00 | H. Brunner | Genotypes & phenotypes |
| 12.00 – 12.30 | Coffee Break |  |
| 12.30 – 13.15 | J. Veltman | Next Generation Sequencing |
| 13.15 – 14.00 | C. Gilissen | How to deal with next generation sequencing output |
| 14.00 – 15.00  | Lunch Break  |  |
| 15.00- 15.30 | Silvi Paskov | Genetic analyses of malignancies - case studies  |
| 15.30- 16.00 | Ivanka Dimova | Genome analyses in reproductive medicine |
| 16.00-16.30 | Nicole Fleisher | Working with dysmorphology program Face2gene  |
| 16.30- 17.00 | Trifon Chervenkov | Centre for translational medicine and cell therapy |
| **Monday 09.05.2016 Medical College, 76 Tsar Osvoboditel Blvd, Room 112, 1st floor** |
| 10.00– 10.50 | A. Read | Complex disorders |
| 10.50- 11.40 | E. Klopocki | Arrays and CNVs |
| 11.40 – 12.10 | Coffee Break |  |
| 12.10 – 13.00 | B. Wollnik | Molecular syndromology in the NGS-era: which phenotype, which family,which strategy? Applications to aging research |
| 13.00 – 13.50 | L. Salviati | Mitochondrial Disorders |
| 14.00 – 15.00 | Lunch Break  |  |
| 15.00- 15.30 | Sava Todorov | Fabry disease - a diagnostic challenge |
| 15.30- 16.00 | Sava Todorov | Hunter syndrome - an overview |
| 16.00-16.30 | Asen Pachedzhiev | Non - invasive prenatal tests |
| 16.30- 17.00 | Tsvetan Popov | Regenerative Medicine |
| 19.30- | Dinner  |  |
| **Tuesday 10.09.2016 Medical College, 76 Tsar Osvoboditel Blvd, Room 112, 1st floor** |
| 10.00 - 10.50 | A. Read | Ethical aspects of Genomics |
| 10.50 – 11.40 | K. Temple | Epigenetics and disease |
| 11.40 – 12.10 | Coffee Break |  |
| 12.10 – 13.00 | E. Klopocki | Long range effects |
| 13.00 – 13.50 | H. Brunner | Behavioral genetics |
| 14:00 –  | Social events |  |
| **Wednesday 11.09.2016 Medical College, 76 Tsar Osvoboditel Blvd, Room 112, 1st floor** |
| 10.00 - 10.50 | J. Burn | Inherited cancer and prospects for therapy |
| 10.50 – 11.40 | B. Wirth | SMA: From gene and modifiers to therapy |
| 11.40 – 12.10 | Coffee Break |  |
| 12.10 – 13.00 | B. Loeys | Marfan syndromes, related diseases and therapy |
| 13.00 – 13.50 | N. Katsanis | Oligogenic Disease, and disease modelling |
| **Thursday 12.09.2016 Medical College, 76 Tsar Osvoboditel Blvd, Room 112, 1st floor** |
| 10.00 – 10.45 |  | Best Posters presentations by students |
| 10.45-11.15 | A. Samavat (Ministry of Health and Medical Education, Iran) | Carrier screening  |
| 11.15 – 11.45 | Coffee Break |  |
| 11.45 – 13.15 | D. Wells (with discussant L. Gianaroli) | PGD and PGS: technical and clinical aspects |
| 13.15-13.30 | Closing session |  |