

CONSTITUTIONAL CYTOGENOMICS | MONDAY, JANUARY 10

8:00 am - 9:40 am | Welcome and Presentations- Session 1

Speaker Name	Institution	Talk Title
Dr. Alka Chaubey	Bionano Genomics	Welcome
Chaim Jalas	The Foundation for Embryonic Competence	Clinical Validation of Optical Genome Mapping for Preimplantation Genetic Diagnosis – Structural Rearrangement (PGD-SR) Applications
Dr. Laila El-Khattabi	Assistance Publique–Hôpitaux de Paris (AP-HP) - Université de Paris	Balanced Translocations Associated with Male Infertility: How Optical Genome Mapping Could Lead to New Discoveries?
Dr. Shirley Heggarty	Belfast Health and Social Care Trust	Clinical Utility of Optical Genome Mapping in a Constitutional Cytogenetics Laboratory
Dr. Alexander Hoischen	Radboud University Medical Center	Optical Genome Mapping: Mapping Difficult Structural Variant Types - Repeat Expansions

9:40 am - 10:00 am | Poster Session and Product Showcase

10:00 am - 10:45 am | Presentations- Session 2

Speaker Name	Institution	Talk Title
Dr. Anwar Iqbal	University of Rochester Medical Center	Validation Study of Optical Genome Mapping for Postnatal and Prenatal Clinical Testing According to Established NYSDOH Guidelines
Dr. Nikhil Sahajpal	Augusta University	Enhanced Structural Variation Detection with Optical Genome Mapping in Constitutional Disorders

10:45 am - 11:30 am | Panel Discussion and Closing Remarks

11:45 am - 12:45 pm | Poster Session and Product Showcase

HEMATOLOGIC MALIGNANCIES | TUESDAY, JANUARY 11

8:00 am - 9:45 am | Welcome and Presentations- Session 1

Speaker Name	Institution	Talk Title
Dr. Alka Chaubey	Bionano Genomics	Welcome
Bence Dvorak	University Children's Hospital Zurich- Eleonore Foundation	Characterization of Plasma Cell Dyscrasias (PCD) by Optical Genome Mapping
Dr. Jonathan L. Lüthmann	Hannover Medical School	The Clinical Utility of Optical Genome Mapping for the Assessment of Genomic Aberrations in Acute Lymphoblastic Leukemia
Dr. Anna Puiggros	Hospital del Mar	The Hidden Side of Genomic Complexity: Learning from OGM in Chronic Lymphocytic Leukemia
Dr. Barbara Dewaele	University Hospitals Leuven	Opportunities of Optical Genome Mapping for Genetic Diagnosis in Acute Lymphoblastic Leukemia and Acute Myeloid Leukemia
Dr. Kornelia Neveling	Radboud University Medical Center	Technical and Clinical Validation of Optical Genome Mapping
Dr. Elena García Sánchez	Hospital Infantil Universitario Niño Jesús	Optical Genome Mapping for Diagnosis of Paediatric Leukaemia

9:45 am - 10:00 am | Poster Session and Product Showcase

10:00 am - 11:45 am | Presentations- Session 2

Speaker Name	Institution	Talk Title
Dr. Brynn Levy	Columbia University Medical Center	Assessing Genomic Aberrations in AML using Optical Genome Mapping: Insights from a National Multi-Center Study
Dr. Adrian DuBuc	Harvard Medical School + Brigham and Women's Hospital	Shining a New Light on Cancer Cytogenetics: Leveraging Novel Technological Approaches for Improved Understanding in B-ALL
Dr. Adam C. Smith	Laboratory Medicine Program, University Health Network, University of Toronto	A Year in Review: Parallel Testing of Hematologic Malignancies Using Optical Genome Mapping Compared to Conventional Cytogenetics
Dr. Saurabh Gupta	Quest Diagnostics	Optical Genome Mapping: Utility for Stratification of B-CLL by Accurate Identification of Clinically Relevant Structural Variants

11:45 am - 12:45 pm | Panel Discussion and Closing Remarks

12:45 pm - 1:45 pm | Poster Session and Product Showcase

SOLID TUMORS | WEDNESDAY, JANUARY 12

8:00 am - 9:30 am | Welcome and Presentations- Session 1

Speaker Name	Institution	Talk Title
Dr. Alka Chaubey	Bionano Genomics	Welcome
Dr. Elena García Sánchez	Hospital Infantil Universitario Niño Jesús	Optical Genome Mapping: Application for Diagnosis of Non-Haematological Cancers
Dr. Tuomo Mantere	University of Oulu	Optical Genome Mapping in Unexplained High-Risk Breast Cancer Families
Dr. Gopalrao Velagaleti	University of Texas Health - San Antonio	Vigor and Reproducibility in Research: The Cell Line Saga: Is OGM the Answer?
Dr. Miriam Bornhorst	Children's National Hospital	Optical Genome Mapping Reveals Novel Structural Variants in Pediatric Brain Tumors

9:30 am - 9:40 am | Poster Session and Product Showcase

9:40 am - 10:45 am | Presentations- Session 2

Speaker Name	Institution	Talk Title
Dr. Matthew Brian Couger	Brigham and Women's Hospital	The Chromosomal Landscape of Mesothelioma
Dr. Juan Diaz Martin	Instituto de Biomedicina de Sevilla	Complex Rearrangement Patterns in Undifferentiated Small Round Cell Sarcomas Associated with Poor Clinical Outcome
Dr. Ravindra Kolhe	Medical College of Georgia at Augusta University	Utility of Optical Genome Mapping for the Chromosomal Characterization of Solid Tumors

10:45 am - 11:45 am | Panel Discussion and Closing Remarks

11:45 am - 12:45 pm | Poster Session and Product Showcase

OGM + NGS | THURSDAY, JANUARY 13

8:00 am - 9:45 am | Welcome and Presentations- Session 1

Speaker Name	Institution	Talk Title
Dr. Alka Chaubey	Bionano Genomics	Welcome
Dr. Kornelia Neveling	Radboud University Medical Center	Optical Genome Mapping: Different Types of Hidden SV's in Families with Inherited Retinal Diseases
Dr. Mariangela Sabatella	Princess Máxima Center for Pediatric Oncology	Enlightening the Dark Matter of the Genome: Optical Genome Mapping Identifies a Germline Retrotransposon Insertion in SMARCB1 in Two Siblings with Atypical Teratoid Rhabdoid Tumors
Dr. Gordana Raca	Children's Hospital Los Angeles	OGM and Capture-Based RNA-Seq Enable Comprehensive Genomic Characterization of Pediatric B-lymphoblastic Leukemias
Arran Constantine	bit.bio	Cytogenetic QC at bit.bio: How a Next-Generation Cytogenetics Platform Enhances Quality Control of Next-Generation Cells
Dr. Saumyaa Saumyaa	AstraZeneca	Detection and Characterization of On- and Off-target Integration of Foreign DNA in the Host Genomes, for Therapeutic Cell and Gene Therapy Development, Using Novel Optical DNA Mapping Technology

9:45 am - 10:00 am | Poster Session and Product Showcase

10:00 am - 11:40 am | Presentations- Session 2

Speaker Name	Institution	Talk Title
Dr. Laila El-Khattabi	Assistance Publique-Hôpitaux de Paris (AP-HP) - Université de Paris	Molecular Characterization of Genome Structural Variants in Developmental Disorders: Comparison Between Optical Genome Mapping and Short Read Whole Genome Sequencing
Dr. Jens Luebeck	University of California, San Diego	Combined NGS and Optical Genome Mapping Reveal the Complex Structures of Circular Extrachromosomal DNA and other Focal Amplifications in Cancer Genomes
Dr. Ravindra Kolhe	Medical College of Georgia at Augusta University	Clinical Utility of Combined Optical Genome Mapping and Comprehensive Genomic Sequencing in Robust Evaluation of Hematological Cancers
Dr. Rashmi Kanagal Shamana	MD Anderson Cancer Center	A Comprehensive Assessment of a Large Myelodysplastic Syndrome Cohort at MD Anderson Cancer Center Using Optical Genome Mapping and a Targeted NGS Panel

11:40 am - 12:30 pm | Panel Discussion and Closing Remarks

12:30 pm - 1:30 pm | Poster Session and Product Showcase