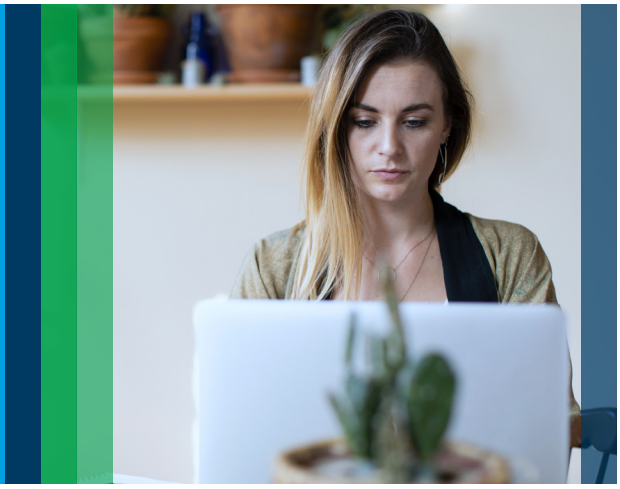
Genomics to Go – Inherited Disease

Your stories. Your successes. Your schedule.



Your conferences have been put on hold, but what about the needs of your lab?

Conferences are integral for your lab's success: after all, they help keep you up to date with the latest findings, optimized research tools, and newest methods. So, since they've been put on hold for the time being, why not hit 'play' with Genomics to Go?

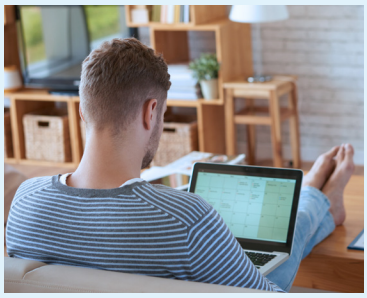
We have tapped researchers, clinicians, and Agilent specialists around the globe to condense more than a conference's worth of findings, stories, and tips into seven research tracks. The best part? It is designed to fit into your schedule: everything's on-demand, so all you have to do is pick up a snack and start watching!

Take a look at the reverse of this flyer to see the current Inherited Disease tracks that we have available, or—if you're ready to jump in—check out the other tracks listed below and get streaming!

Inherited Disease

While over 7,000 genetic diseases have been described, only ~4,000 have been linked to genetic mutations. Researching these diseases requires novel methods—and these webinars will show the myriad ways researchers like you are working to better understand these disorders.

Genomics to Go – Other Application Tracks



- Cancer Genomics
- CRISPR
- Infectious Disease
- NGS for the Pathologist
- Sample QC for NGS and Biobank Workflows
- Variant Interpretation

Check out the latest tracks at:
www.agilent.com/genomics/genomics-to-go

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Featured Presentations:

Diana Nikulenkov Grochova

NEW – A Multi-faceted approach for understanding Czech Prenatal causes

Speaker: Diana Nikulenkov Grochova

First-trimester screening of prenatal syndromic cases has become increasingly precise, reaching >99% accuracy in some cases. However, there is still a need to confirm results from these methods via analysis of fetal material obtained through invasive procedures. One method of choice is array comparative genomic hybridization (aCGH), which can provide a much higher resolution than traditional karyotyping with a rapid turnaround time and minimal sample requirements. Here, we present our experience with aCGH in clarifying high-risk prenatal cases using both legacy microarrays and the new GenetiSure Cyto microarrays from Agilent. In addition, we will discuss the use of custom NGS panels in identifying clinically relevant events for congenital heart disorders and RASopathies.

Svetlana Yatsenko, MD

NEW – Identification of Small Segmental Aneuploidies in Preimplantation Embryos

Speaker: Svetlana Yatsenko, MD

Segmental imbalances in embryos have a significantly lower potential for implantation, leading to a diagnosis of idiopathic infertility or discovery by karyotype or microarray analysis after a miscarriage. Detection of microdeletions and duplications associated with human pathologies may improve the success rate of in vitro fertilization procedures and reduce the incidence of microdeletion syndromes. In this webinar, Svetlana Yatsenko (Department of Pathology at the University of Pittsburgh) will share how her team has used the Agilent 60K CGH GenetiSure microarray platform to detect both large (>10 Mb) and small (<10 Mb) chromosomal aberrations.

Other Presentations

Prenatal, Postnatal and Neoplastic Chromosomal Microarray Analysis: The Legacy Health Experience

Speaker: Yassmine Akkari, Ph.D

Implementing a Multi-Site Clinical System for Genomics with Best-In-Class Tools

Speaker: Natalie Thorne, Ph.D.

Check out the latest Inherited Disease videos :
https://explore.agilent.com/inherited-disease-genomics-to-go

www.agilent.com/genomics

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