

# MEDICAL GENOMICS

The MHTP Medical Genomics Facility provides a comprehensive range of technologies and expertise to accelerate research and clinical diagnosis.

Our facility is used by numerous organisations and we have important collaborations with Monash Health's Pathology departments and the Monash Technology Research Platforms network. We offer consultative genomics service to pioneer innovative research, leading to improved healthcare and are committed to client support and translational outcomes.

## KEY TECHNOLOGIES

- 3130xl Genetic Analysers – 16 capillary
- 7900HT Fast Real-Time PCR systems
- 384-well and TLDA formats
- Qiagility/CAS 1200 liquid handling systems
- Fluidigm C1™ Single Cell Auto Prep
- Fluidigm Biomark™ HD system
- Fluidigm MX, HX, RX and Access Array controllers
- Tecan Freedom Evo 100 liquid handling system
- Agilent Bioanalyser
- Agilent TapeStation
- Agilent Microarray Scanner
- Illumina MiSeq, NextSeq 550, HiSeq 1500 and HiSeq 3000 systems
- Covaris Adaptive Focussed acoustics system
- Caliper Zephyr liquid handling robot
- Integrated Twister II plate handling robots
- Dolomite Bio DropSeq System

## EXPERTISE

Our dedicated team is committed to provision of professional and comprehensive support. We have all had long standing careers in genomics extending over 20 years.

## WORKING WITH US

- Fee for service
- Consultancies

## SPECIALIST SERVICES

We provide a broad range of specialist genomic services based upon a fee for service model including:

- Sanger Sequencing  
(ISO 15189 NATA accredited)
- Quantitative real-time PCR
- Fragment analysis
- Microarray
- Next-Generation Sequencing
- Fluidigm single cell genomics
- Cell line identification
- Bioinformatics
- Drop-Siq Technologies

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