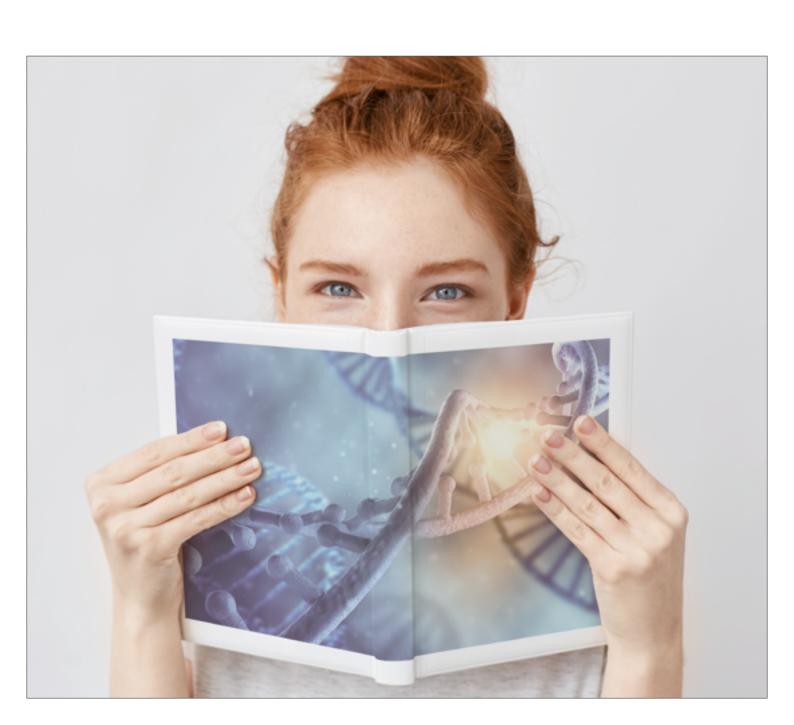


THE NEXT CHAPTER OF DNA ANALYSIS

TRANSLATING EXOME SEQUENCING INTO CLINICAL BENEFIT



MORE THAN 20,000 PAGES AND UP TO 50 MILLION LETTERS ...

make up the exome chapter



This constitutes less than two per cent of the entire genome. But it is the part of the human genetic material which contains 85 per cent of the known disease causing mutations.

This plethora of information will help us to get a better understanding of the mechanisms underlying diseases.

In order to
obtain meaningful
results, the technical quality
of sequence data is as important
as the quality of the bioinformatic
data analysis to enable the best
medical interpreatation of
genetic variants.

Complex, unspecific symptoms? Uncertain diagnosis?

In these cases, exome sequencing is the method of choice to

- · pinpoint the disease cause,
- determine appropriate treatment,
- analyse the risks of recurrence or the probability of patients or their relatives to develop a disease.

THE BENEFITS OF OUR EXOME DIAGNOSTICS AT A GLANCE:

Flexible

Exome data allow us to analyze any group of genes based on your clinical question and interpret these as customized gene panels.

Fast

Shorter processing times owing to our in-house bioinformatics department, efficient and optimized analysis processes and powerful sequencing technologies (NovaSeq 6000).

Accurate

To interpret the numerous variants obtained in an exome analysis rapidly and selectively, we include all information on the clinical picture and the patient's symptoms. This requires interdisciplinary skills. Our specialists that is biologists, bioinformaticists and geneticists work closely together to achieve this.

Comprehensive

We offer trio exome sequencing to interpret or determine de novo mutations with greater accuracy. Together with the patient samples, we analyse the DNA of the parents. This increases the detection rate and is time- and cost-effective





SPEED, SAFETY AND SERVICE QUALITY

Fast and reliable sample transport due to close proximity to Frankfurt Airport. This means: short ways, fast processing and rapid results.



CONTACT

International Client Support Services

Konrad Adenauer Str. 17

55218 Ingelheim

Tel: ++49 6132 781 240

Fax: ++49 6132 781 236

int.support@bioscientia.com

Regional HQ Lebanon

Mr. Jad Ayoub, MBA

Platinum Center – Second Floor

Hazmieh Roundabout – Facing The Military School

Beirut – Lebanon

Mobile: ++961 3668357

Tel/Fax: ++961 5451 597

Email: jad.ayoub@bioscientia.com

www.bioscientia.com