



Kinga Huminska

Head of Genomic Laboratory

DNA Research Center Ltd.

<http://www.cbdna.pl>; www.cbdna.eu



Bilateral Meetings

- Thursday (1:30pm - 6:00pm)
- Friday (9:00am - 12:00pm)
- Friday (12:00pm - 4:00pm)

Description

DNA Research Center LTD is a non-public health care institute with accreditation for diagnostic testing. It is an innovative company using the newest available technologies.

Our institution:

- conducts its own research
- works with many research and diagnostic institutions
- effectively executes EU projects
- is an experienced business partner
- offers more than 400 tests
- has a medical, veterinary and genomic laboratory

Genomic Laboratory of the DNA Research Center is a world-class facility Center, with proven quality, service, and commitment to the scientific community. In order to provide complete sequencing solutions, from sample preparation to advanced bioinformatic analysis, Genomic Laboratory has developed extensive in-house capabilities, utilizing the newest technologies.

DNA Research Centre is an innovative facility which revolutionizes the way of diagnosing a variety of genetic disorders and genetically determined diseases. In our offer we have many diagnostic panels that allow fast, reliable and efficient diagnosis. Diagnosis is based on the sequencing of the entire coding sequence of genes responsible for particular disorder and additionally multiple single nucleotide polymorphisms in numerous genes. Genes were chosen based on careful review of the literature. We use next generation sequencing (NGS) technology to target specific genes or mutations that have established relevancy to particular genetic disorders. NGS permits sequencing of large genomic regions, high numbers of genes and/or high numbers of samples in a single efficient and cost-effective assay. In addition, NGS provides significantly higher sensitivity than traditional techniques.

Besides, the DNA Research Center revolutionizes the way we diagnose and treat cancer. The first in Poland multi-gene

test that can help predict cancer patients' response to treatment. DNA Research Center offers a new diagnostic panel targeting main cancer biomarkers. We generate an individualized tumour analysis for every patient and provide an interpretation of genomic patient data in a clinical context as well as suggest targeted treatment options. In our diagnostic panel we included 60 genes that are the main markers for different cancer development, prognosis and chemotherapy response.

Organization Type

Company

Organization Size

26-50

Founding Year

2006

Email

k.huminska@cbdna.pl

Country

Poland

City

Poznan, Rubiez 46 [Google map](#)

Offer

WGS (Whole Genome Sequencing)

We are getting HiSeq X Ten. Commercial and R&D projects are welcome.

Cooperation Offered

1. Outsourcing co-operation
2. Technical co-operation

Cooperation Requested

1. Outsourcing co-operation
2. Technical co-operation
3. Sales / Distribution

Offer

Personalized therapy

We screen our patients towards 56 oncogenes/ suppressor genes to select the therapy best suited to the patients' individual tumour profile.

Cooperation Offered

1. Outsourcing co-operation

2. Technical co-operation
3. Sales / Distribution

Cooperation Requested

1. Outsourcing co-operation
2. Technical co-operation
3. Sales / Distribution

Offer

Bioinformatics analysis services

With the rapid development of sequencing technology, higher throughput of better quality data can now be achieved at a lower cost. These data are being extensively used to decipher the mechanisms of biological systems at the most basic level. However, this huge and growing amount of high-quality data and the information delivered continue to create challenges for bioinformaticians.

Our bioinformatics are focused on analyzing and transferring cutting-edge technologies in their respective fields to maximize the amount of information that can be gleaned from sequencing data. Their analyses include:

Bioinformatics analysis services:

- Next Generation Sequencing (NGS) data analysis: RNA-seq, smallRNA-seq, methylation analysis, sequencing analysis of amplicons, plasmides, de novo, microarray, metagenome, genetic panels etc.
- DNA and protein sequence analyses
- Filogenetic analyses
- Molecular modeling
- Protein-ligand interaction analyses
- Virtual Screening (VS)
- Analyses of protein binding sequence, structure and function
- Design and delivery of non-standard biological data analyses,
- Tailored to the needs of specific data/research
- Assistance in the interpretation of biodata analyses delivered by the Customer

Cooperation Offered

1. Other
2. Technical co-operation
3. Outsourcing co-operation

Offer

Additional NGS services

We are also offering additional NGS services

- expression microarrays
- metagenomics (16S rRNA, ITS)
- genetic predisposition panels

Cooperation Offered

1. Other
2. Sales / Distribution
3. Technical co-operation
4. Outsourcing co-operation

Offer

Transcriptom analysis (NGS)

Transcriptom analysis (NGS) such as:

- RNAseq,
- small RNA sequencing

Cooperation Offered

1. Outsourcing co-operation
2. Technical co-operation
3. Sales / Distribution
4. Other

Offer

Genome analysis (NGS)

Genome analysis (NGS):

- whole genome sequencing
- de novo sequencing of large and small genomes (bacteria, yeast, viruses)
- Mate Pair sequencing,
- exome sequencing,
- targeted resequencing,
- plasmid sequencing,
- amplicon sequencing,

Cooperation Offered

1. Outsourcing co-operation
2. Technical co-operation
3. Sales / Distribution
4. Other

Offer

NGS services_diagnostic panels

We are offering NGS services_diagnostic panels:

- cancer diagnostics (cancer predisposition panels / targeted therapy)
- autism spectrum disorders panel
- cardiac diseases panel
- connective tissue disorder panel
- neuromuscular disorder panel
- neurodevelopmental disorder panel
- and many others

Thanks to our NGS panels for predisposition to genetic diseases the diagnosis can be faster and more effective than ever before. We analyze > 95% of the coding sequences of genes involved in the development of many specific genetic diseases.

Cooperation Offered

1. Outsourcing co-operation
2. Technical co-operation
3. Sales / Distribution
4. Other