



COMPANY PRESENTATION

www.genomicalab.it



ROMA ARDUINO

PRESENTATION

A model of technologies, quality and expertise

GENOMICA is recognized as one of the most advanced molecular diagnostics laboratory in Europe, both for the state-of-the-art instruments and technologies, as well as for its high quality standards.

GENOMICA operates as provider of high-tech genetic tests, mainly for clinics, laboratories, hospitals, IVF centers and physicians specialized in different fields.

GENOMICA's services are offered throughout **Italy** and also abroad, in **Europe** and the **Middle East**. Our laboratories receive samples from more than **5.000 customers** every day.

The organization of **GENOMICA's** lab is focused at **high throughput testing**, allowing processing of high volume of samples with the shortest turnaround time.

The added value of GENOMICA is represented by its **comprehensive portfolio of genetic tests**, which allows the company to meet most of the diagnostic needs emerging in daily clinical practice.

With a list of over **10.000 genetic tests**, categorized into **20 diagnostic areas**, GENOMICA is able to satisfy increasingly specialised requests in the field of molecular genetics, providing physicians and their patients with innovative and highly specialised diagnostic solutions for any clinical need.



Our laboratory, built into modern and high-tech facilities, is designed and organized with a layout aimed at optimizing each stage of the diagnostic workflow and at developing massive volumes of work

OUR MISSION

We have always had valuable goals: **GENOMICA** has chosen to provide customers with the most **advanced diagnostic solutions**, based on state-of-the-art technology, with a strong commitment to research, ultimately improving the existing diagnostic **processes and services** in the field of genetics.

OUR PHILOSOPHY

Update, Anticipate, Progress

Working always looking to the future: with this important assumption, our choice was, and still is, to integrate the most **efficient management model** and constant **training of staff**, with a continuous update and evolution of **equipment** and **diagnostic methods**, following the **highest quality standards**.





OUR CUSTOMERS

Our **main customers** are laboratories, hospitals, private clinics, IVF centers, and physicians specialists in different disciplines, located throughout **Italy** and also abroad, in **Europe** and the **Middle East**.

NUMBERS THAT MAKE A DIFFERENCE



laboratory fully dedicated to **Genetics**



Sqm **laboratory** in total



genetic tests



Speciality areas



Customers



For the **test results**



LABORATORY SERVICE

A unique provider of genetic tests where you can find a solution to most of your diagnostic needs

Being supported by a provider of genetic tests means entrusting extremely delicate aspects of daily diagnostic activity to an external reference lab.

With the support of a team with **20+ years** in the field of genetics, **GENOMICA** has achieved a significant know-how in molecular diagnostics as provider of genetic tests, fully deserving the trust of its customers.

The organization model of **GENO-**

MICA's labs is focused at **high throughput testing**, allowing processing of **massive volume of samples** with the **shortest turnaround time**.

GENOMICA's activity satisfies the needs of our customers for **12 months/year, 6 days/week**.

Testing send out represents a crucial step in the management of daily activities of many hospitals and laboratories.

The added value of **GENOMICA** is

represented by its **comprehensive portfolio of genetic tests**, which allows the company to meet most of the diagnostic needs emerging in daily clinical practice.

With a **broad menu of 10.000+ genetic tests**, categorized into **20 areas of speciality**, GENOMICA is able to satisfy increasingly specialised requests in the field of molecular genetics, allowing our customers to refer to a unique lab for the most of the genetic testing needs.





AREAS OF SPECIALITY

RECURRENT MISCARRIAGE

Genetic tests for management of couples with multiple pregnancy loss

CYTOGENETICS

Diagnosis of structural and numerical chromosomal abnormalities, characterization of sub-microscopic deletions and rearrangements, identification of unknown chromosome material.

MOLECULAR CYTOGENETICS - MOLECULAR KARYOTYPING

A new high-resolution diagnostic tool that improves the resolution of the traditional karyotyping by detecting microdeletion and microduplication syndromes.

PREIMPLANTATION GENETIC TESTING (PGT)

A state-of-the-art diagnostic procedure used with in vitro fertilization techniques, to test embryos for monogenic and chromosomal disorders

PRENATAL DIAGNOSIS (INVASIVE)

Screening for chromosome abnormalities and genetic diseases in fetuses during pregnancy

NON-INVASIVE PRENATAL SCREENING (NIPT)

Cell-free fetal DNA analysis from maternal plasma that screens for genome-wide chromosomal abnormalities and severe genetics disorders in the fetus



PHARMACOGENETICS

Evaluating how the genetic differences between individuals affect their response to medicines

BIOCHEMICAL GENETICS

Analysis of specific biochemical markers to assess the risk for chromosome abnormalities.

CARDIOVASCULAR GENETICS

Assessment of genetic risk factors that increase susceptibility to heart diseases.

FORENSICS GENETICS

A broad range of identity tests used to resolve cases involving major crimes, including theft, rape, kidnapping, murder and the identification of human remains.

MOLECULAR GENETICS

For pre- and post-natal diagnosis of single-gene diseases.

DENTAL GENETICS

Assessment of general risk factors predisposing to dental disorders.

PREVENTION GENETICS

Analysis of genetic polymorphisms and evaluation of their significance in terms of prevention medicine.

REPRODUCTION GENETICS

Routine genetic tests for couples undergoing in-vitro fertilization (IVF) procedures.

MALE AND FEMALE INFERTILITY

Genetic tests for management of infertile couples.

INFECTIOUS DISEASES

Premier infectious disease testing services with an extensive menu of molecular diagnostics assays for the identification, quantization and genotyping of infectious pathogens.

NEXT GENERATION SEQUENCING (NGS)

Multiple genetic screening tests for diagnosis of genetic disorders through a state-of-the-art technology: "Next Generation Sequencing"

NUTRIGENETICS

Linking individual genetic variation to principles of good nutrition. Evaluation of variations in genes that influence how the body uses vitamins and micro-nutrients.

MOLECULAR ONCOLOGY (EARLY DIAGNOSIS-PREDICTIVE TESTS)

Genetic testing for hereditary cancer and detection of cancer at an early stage

PATERNITY TESTING AND PARENTAGE

Advanced genetic identification testing to resolve cases of uncertain paternity, maternity and parentage; for child support and custody, to prove kinship to citizens for immigration purposes and for insurance or inheritance rights claims.

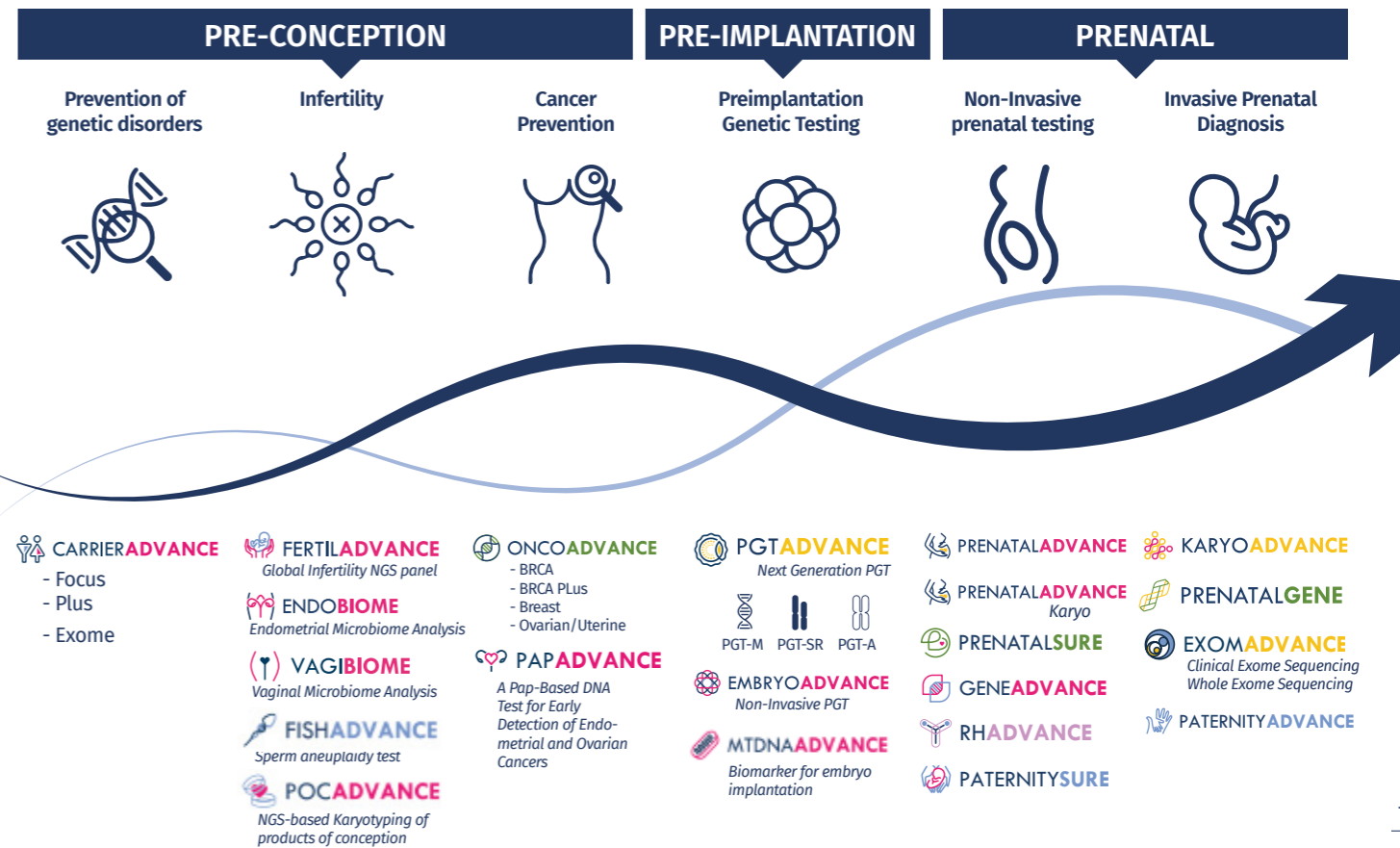
PRENATAL DIAGNOSTICS

Technological advancements have determined the introduction of sophisticated genetic tests into medical practice, for the evaluation of the pregnancy and fetal health.

GENOMICA can boast one of the most extensive experience in the field of prenatal diagnostics, which allow the company to make the most advanced technologies available in the field to pregnant women and their gynecologists, for the diagnosis of chromosomal abnormalities and genetic disorders in the fetus. **GENOMICA** is able to perform all genetic testing that can be offered at prenatal stage. This allows the couple to obtain very useful information on any fetal anomaly from the first weeks of pregnancy, and consequently promptly prepare a therapeutic intervention aimed at safeguarding the health of the unborn child and to ensure the best life condition.



REPRODUCTIVE GENETICS



EQUIPMENT AND TECHNOLOGY

State-of-the-art equipment and high quality standards: the strengths of our Labs

GENOMICA's laboratories are equipped with **state-of-the art instruments**, continuously updated with the advancement of the technology and the new emerging diagnostic needs.

Cutting-edge technologies and **highly automated processes**, applied to the whole testing workflow, enhance the quality level of our tests, thus ensuring the maximum reliability of the results.

Data interpretation is carried out with the use of **sophisticated algorithms** and **advanced software**.

An efficient infrastructure built to serve your needs and drive quality results.



OUR STAFF

A highly skilled team with international awards

Genetic testing activities require **expertise, efficiency and precision** to ensure **reliable test results** and **fast turnaround time**. The added value to provide high standard genetic services is represented by a **qualified staff**.

The human factor has always been of primary importance in our company. Aware of that, we have placed our staff at the center of corporate life, especially focusing on their training and involvement in activities that fully develop the skills of each employee.

Expertise, high profile, continuous update, are the hallmarks of a team with **20+ years** experience in the field of genetics, that uses its professional skills to support customers and patients.

The interaction with the international scientific community, continuous training in different areas of specialty, supported by modern and advanced equipment, allow our staff to work with high professional standards.



A WIDE RANGE OF SERVICES

Comprehensive services and efficiency are some of the reasons why to choose GENOMICA as partner



LOGISTIC SUPPORT

Pickup and transport of biological samples are managed according to our customers' needs

-  **Free collection of biological samples**, carried out on daily basis by trustworthy employees.
-  **Free transport of biological samples** via trustable courier services, for customers located outside Lazio region and Milan.
-  **Free supply of transportation kits for the shipment of samples**
-  **Free supply of disposable material for biological sample collection**, such as blood collection tubes or vials for collection of amniotic fluid or chorionic villi, dry swabs for sampling urogenital or saliva specimens, etc.

TRANSPORT OF BIOLOGICAL SPECIMENS

Shipment and transport of biological samples may worry some of our customers. We have planned a strict organisational model for such activities to eliminate the possibility that any accident may occur to samples in transit.

GENOMICA provides for free to its customers the shipping service of biological sample and a **Transportation Kit**, which follows the **UN3373** regulations (in compliance with the European regulations on biological sample transport). Samples are shipped using specialised couriers ensuring fast and timely deliveries and online tracking of all shipments

COMPREHENSIVE CUSTOMER CARE

All inclusive support: from shipment of the sample to the reporting of test results; information on methods of collection and storage of samples; non-compliance management; flexibility and full customer care from our staff.



SCIENTIFIC SUPPORT

Specialised assistance by qualified staff. Molecular biologists and geneticists with 20+ experience in the field are always available to assist customers in interpreting the results and understanding the methods used for testing.

Direct line to genetic counselors

EDUCATIONAL

- ▶ Brochures for physicians and patients: GENOMICA offers to its customers brochures related with the majority of the tests performed.
- ▶ **On-site Scientific Updates**

PERSONALISED DIAGNOSTIC TESTS

Development of specific diagnostic tests on request

EMERGENCY DIAGNOSTICS

The **emergency procedure** service provides results within 24-48 hours

BILLING

Customised on customer needs

CONSULTING SERVICES

- Free genetic counseling
- Technical and organisational consulting
- Outsourcing
- Know-how transfer

LAB TOOLS AND IT SYSTEM

Technology solutions to boost practice performance



On-line reporting: 24-hour access to genetic tests reports. A complimentary on-line platform allowing customers access to test results and achieve the related reports.



Link between the equipment and the central system, to speed up and constantly monitor the different stages of the analyses.



3 levels of validation of the results, to make test reporting more accurate.



SMS alert: when test results are available or in case of pathogenic results

GENOMICA

A RELIABLE PARTNER YOU CAN TRUST

Our strengths

COMPREHENSIVE SERVICES

We have the most **comprehensive portfolio of genetic tests** with **10.000+** genetic tests included into **20 areas of speciality** and a wide range of services

CUSTOMISATION

Development of new molecular diagnostics methods on request, to meet the needs of our customers

SPEED

Reports are ready within **5 days** on average. For urgency, results in **24-48 hours**

HIGH THROUGHPUT

More than **100.000** genetic tests/year

EXPERTISE

Qualified, highly experienced team

EXCELLENCE

Modern and advanced laboratory and equipment

QUALITY

Staff constantly auditing the entire analytical process. High standards of quality and maximum reliability for the results of our tests. International external audits

INNOVATION

Use of sophisticated diagnostic procedures. Continuous search for innovative diagnostic methods. Use of the most recent scientific and technological innovations

RESEARCH

Commitment and dedication to science with a team of internationally recognized researchers





GENOMICA S.R.L.

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