

Humanitas

IN ITALY

- **9 hospitals**
- **Research center** with focus on immune system-related diseases
- **Humanitas University**, an academic institute dedicated to life sciences.

To reach out to citizens, Humanitas goes outside the walls of its hospitals through its **18 Humanitas Medical Care centers** (www.humanitas-care.it).

CLINICAL ACTIVITY EVERY YEAR

More than **1 million** patients
190,000 inpatient admissions
106,000 surgeries
12 million outpatient health services

HUMANITAS AT A GLANCE

2,700 physicians
7,300 employees
2,080 beds
290,000 m²



1 Milan-Rozzano
Humanitas clinical Institute
www.humanitas.it



8 Turin
Clinica Fornaca di Sessant
www.clinicafornaca.it



2 Milan
Humanitas San Pio X
www.sanpiox.net



9 Catania
Humanitas Istituto Clinico Catanese
www.humanitascatania.it



3 Bergamo
Humanitas Gavazzeni
www.humanitasgavazzeni.it



Humanitas Medical Care
www.humanitas-care.it



4 Bergamo
Clinica Castelli
www.clinicacastelli.it



5 Castellanza
Humanitas Mater Domini
www.materdomini.it



6 Turin
Humanitas Gradenigo
www.gradenigo.it



7 Turin
Humanitas Cellini
www.clinicacellini.it



HUMANITAS

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SCIENTIFIC REPORT
Highlights
2021

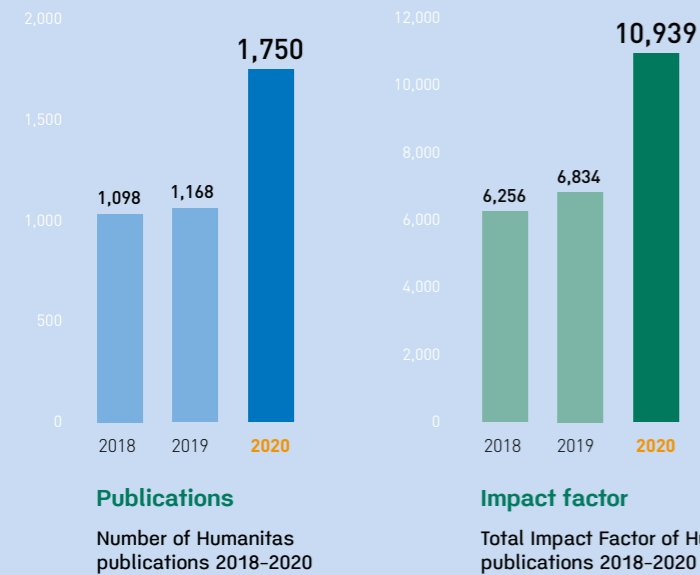


HUMANITAS

SCIENTIFIC ACTIVITIES

Humanitas 2020*

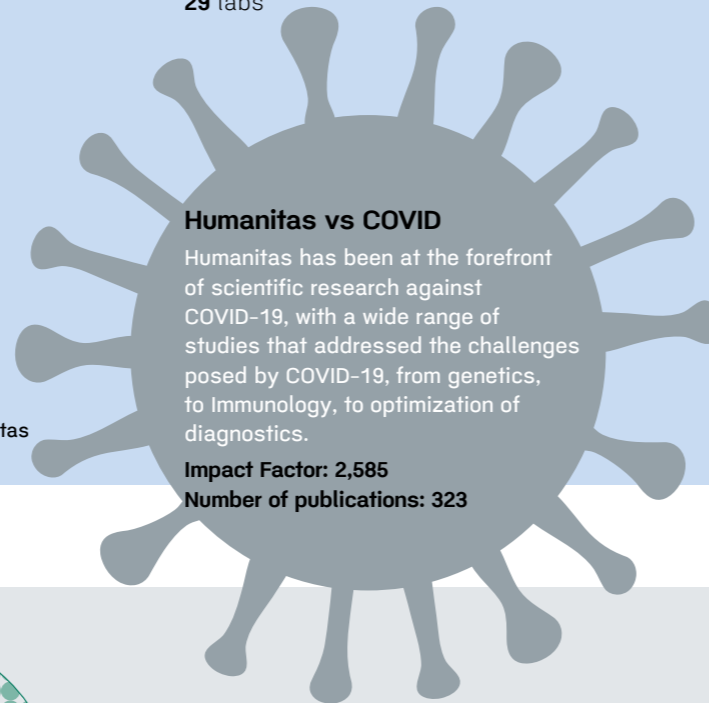
10,939 = raw Impact Factor in 2020
1,750 = number of publications



* In the last three years. It includes Humanitas Hospitals and Humanitas University

More than 600 professionals involved into research, among them:

- about 400 research scientists (principal investigators, junior principal investigators/ staff scientists, postdocs and PhD students, technicians)
 - more than 200 clinicians
- 29 labs



Humanitas vs COVID

Humanitas has been at the forefront of scientific research against COVID-19, with a wide range of studies that addressed the challenges posed by COVID-19, from genetics, to Immunology, to optimization of diagnostics.

Impact Factor: 2,585
Number of publications: 323

INTERNATIONAL NETWORK



Austria, Belgium, Bulgaria, China, Cyprus, Finland, France, Germany, Ireland, Lithuania, Luxembourg, Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden, Switzerland, Taiwan, Turkey, United Kingdom: collaboration at international level is fundamental for clinical practice and have led to outstanding results in the treatment of neoplastic, gastrointestinal, cardiovascular, neurological and immunological diseases.

SCIENTIFIC LABORATORIES*

* in Milan

Geographical distribution of foreign researchers at Humanitas

Scientific Direction and Research Laboratories

Director: **Alberto Mantovani**
professor at Humanitas University

ADAPTIVE IMMUNITY

Junior principal investigator:
Marinos Kallikourdis
researcher at Humanitas University

ANALYSIS AND REHABILITATION OF MOTOR FUNCTION

Clinical Research Associate: **Roberto Gatti**
professor at Humanitas University

APPLIED PHYSICS, BIOPHYSICS AND MICROFLUIDICS

Principal investigator: **Roberto Rusconi**
professor at Humanitas University

CELLULAR AND MOLECULAR ENDOCRINOLOGY

Clinical Research Associate: **Andrea Lania**²
professor at Humanitas University

CELLULAR IMMUNOLOGY

Principal investigator: **Paola Allavena**

CHEMOKINE BIOLOGY

Principal Investigator: **Raffaella Bonecchi**
professor at Humanitas University

CLINICAL AND EXPERIMENTAL IMMUNOLOGY

Principal investigator: **Domenico Mavilio**

CLINICAL IMMUNOLOGY AND AUTOIMMUNITY AND METABOLISM

Clinical Research Associate: **Carlo Selmi**²
professor at Humanitas University

DEVELOPMENTAL NEUROBIOLOGY

Junior principal investigator: **Simona Lodato**
professor at Humanitas University

EXPERIMENTAL IMMUNOPATHOLOGY

Principal investigator: **Cecilia Garlanda**
professor at Humanitas University

GASTROINTESTINAL IMMUNOPATHOLOGY

Clinical Research Associate: **Silvio Danese**²
professor at Humanitas University

GENOMICS OF HAEMATOLOGICAL MALIGNANCIES

Clinical Research Associate:
Matteo Della Porta²
professor at Humanitas University

IMMUNOPHARMACOLOGY

Principal investigator: **Barbara Bottazzi**

IMMUNOPATHOLOGY HEPATOBIILIARY LAB

Clinical Research Associate:
Ana Lleo De Nalda²
professor at Humanitas University

LEUKOCYTE BIOLOGY

Principal investigator: **Massimo Locati**

MEDICAL GENETICS AND RNA BIOLOGY

Principal investigator: **Stefano Duga**
professor at Humanitas University

MOLECULAR ALLERGOLOGY

Clinical Research Associate:
Walter Giorgio Canonica²
professor at Humanitas University

MOLECULAR GASTROENTEROLOGY

Clinical Research Associate: **Luigi Laghi**²

MOLECULAR IMMUNOLOGY

Principal investigator: **Antonio Sica**

MUCOSAL IMMUNOLOGY AND MICROBIOTA

Principal investigator: **Maria Rescigno**
professor at Humanitas University

ONCOLOGY EXPERIMENTAL THERAPEUTICS

Clinical Research Associate:
Carmelo Carlo-Stella²
professor at Humanitas University

PHARMACOLOGY AND BRAIN PATHOLOGY

Principal investigator: **Michela Matteoli**
professor at Humanitas University

PHYSICAL AND CHEMICAL CHARACTERIZATION OF THE PANCREATIC TISSUE

Principal Investigator: **Alessandro Zerbi**²
professor at Humanitas University

SKIN PATHOLOGY LAB

Principal investigator: **Antonio Costanzo**²
professor at Humanitas University

TRANSLATIONAL IMMUNOLOGY

Principal investigator: **Enrico Lugli**

TUMOR MICROENVIRONMENT

Junior principal investigator: **Diletta Di Mitri**
professor at Humanitas University

NATIONAL RESEARCH COUNCIL (CNR)

HUMAN GENOME AND MEDICAL BIOTECHNOLOGIES

Junior Principal Investigators:
Barbara Cassani, Cristina Sobacchi, Francesca Ficara

INFLAMMATION AND IMMUNOLOGY IN CARDIOVASCULAR PATHOLOGIES

Clinical Research Associate:
Gianluigi Condorelli
professor at Humanitas University

SIGNAL TRANSDUCTION IN CARDIAC PATHOLOGIES

Principal investigator: **Daniele Catalucci**

² In addition to research, he/she works as a clinician

International School of Medicine

Humanitas University is a private non profit institution dedicated to medical sciences, founded in 2014 and based upon experience in university teaching since 2000. It is strictly interconnected with Humanitas hospitals, where clerkship activities take place.

46% international students¹ from

Europe: Albania, Austria, Belgium, Bosnia-Erzegovina, Bulgaria, Cyprus, Finland, France, Germany, Greece, Ireland, Netherlands, Poland, Portugal, Romania, Serbia, Spain, Sweden, Switzerland, Turkey, United Kingdom.

Rest of the world: Angola, Australia, Bahrain, Bolivia, Brasil, Cameroon, Canada, China, Democratic Republic of Congo, Ecuador, Egypt, Fiji Islands, Ghana, Hong Kong, India, Indonesia, Iran, Iraq, Israel, Japan, Kenya, Lebanon, Malaysia, Nigeria, Pakistan, Palestine, Panama, Peru, Philippines, Russia, Saudi Arabia, Senegal, Seychelles, Singapore, South Africa, South Korea, Sri Lanka, Sudan, Syria, Taiwan, Tanzania, Thailand, Trinidad and Tobago, Tunisia, Uganda, Ukraine, USA, Uzbekistan, Venezuela, Vietnam, Zimbabwe.

¹ Students enrolled in the first year of Medicine



Humanitas University offers 5 degree courses:

- **International Degree in Medicine and Surgery**, in English (6-year single cycle - Medical School)
- **International Degree in Medicine and Surgery in partnership with Politecnico di Milano**, designed to integrate and advance medical competences through scientific and technological approaches applied in Engineering (6-year single cycle - MEDTEC School)
- **Degree in Nursing**, in Italian (3 years)
- **Master degree in Nursing** (2 years)
- **Degree in Physiotherapy**, in Italian (3 years)

In terms of post-graduate training, the University has received accreditation from residency programmes in the most important specialties following a medical degree, and has 2 PhDs in Molecular and Experimental Medicine and in Data Science in Medicine and Nutrition, and several Master's courses.