

# SCIENTIFIC REPORT Highlights 2019



**HUMANITAS**

SCIENTIFIC REPORT  
Highlights  
2019

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# 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 **12 Humanitas Medical Care centers** ([www.humanitas-care.it](http://www.humanitas-care.it)).

## CLINICAL ACTIVITY 2018

**1 million** patients  
**190,000** inpatient admissions  
**108,000** surgeries  
**12 million** outpatient health services

## HUMANITAS AT A GLANCE

**2,200** physicians  
**6,500** employees  
**1,980** beds  
**210,000 m<sup>2</sup>**



### 1 Milan-Rozzano

Humanitas clinical Institute  
[www.humanitas.it](http://www.humanitas.it)



### 8 Turin

Clinica Fornaca di Sessant  
[www.clinicafornaca.it](http://www.clinicafornaca.it)



### 2 Milan

Humanitas San Pio X  
[www.sanpiox.net](http://www.sanpiox.net)



### 9 Catania

Humanitas Centro Catanese di Oncologia  
[www.humanitascatania.it](http://www.humanitascatania.it)



### 3 Bergamo

Humanitas Gavazzeni  
[www.humanitasgavazzeni.it](http://www.humanitasgavazzeni.it)



## Humanitas Medical Care

[www.humanitas-care.it](http://www.humanitas-care.it)



### 4 Bergamo

Clinica Castelli  
[www.clinicacastelli.it](http://www.clinicacastelli.it)



### 5 Castellanza

Humanitas Mater Domini  
[www.materdomini.it](http://www.materdomini.it)



### 6 Turin

Humanitas Gradenigo  
[www.gradenigo.it](http://www.gradenigo.it)



### 7 Turin

Humanitas Cellini  
[www.clinicacellini.it](http://www.clinicacellini.it)

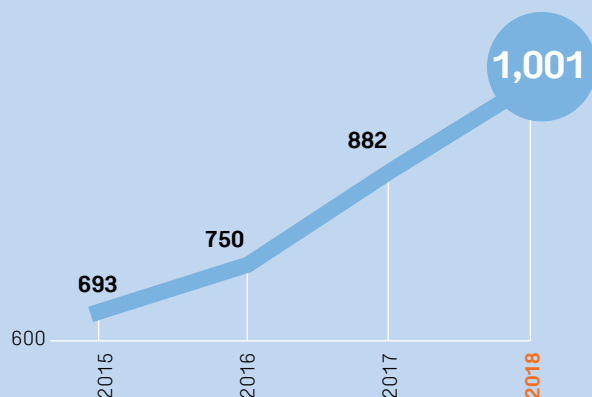


HUMANITAS

## SCIENTIFIC ACTIVITIES



Use this QR code to see the list of Humanitas published papers



**Publications**

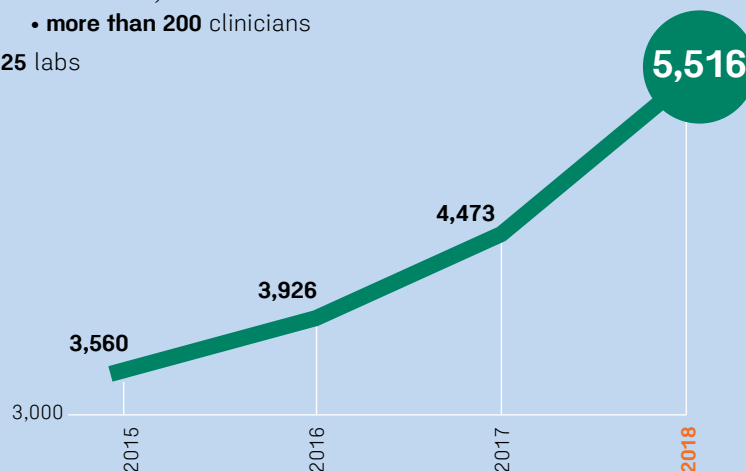
Number of Humanitas publications - Years 2015-2018

5,516 = Impact factor in 2018

almost 600 professionals involved into research, among them:

- almost 300 (principal investigators, junior principal investigators/staff scientists, postdocs and PhD students, technicians)
- more than 200 clinicians

25 labs

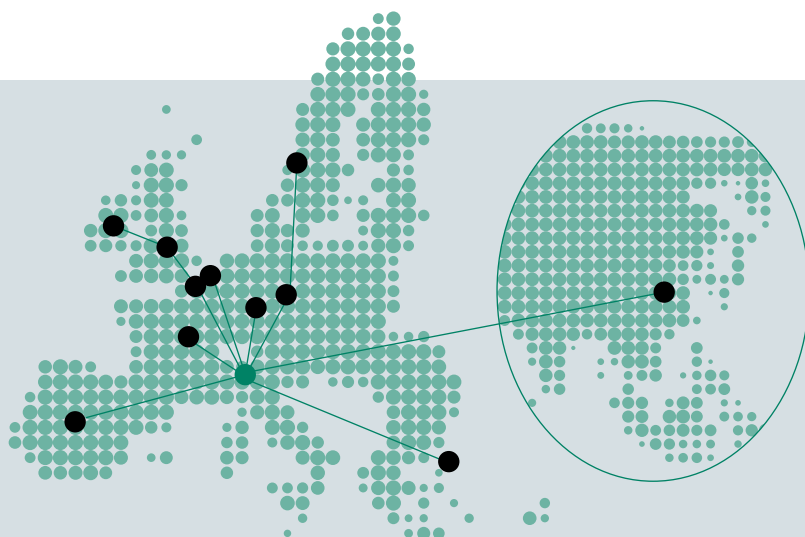


**Impact factor**

Total Impact Factor of Humanitas publications - Years 2015-2018

## INTERNATIONAL NETWORK

**Belgium, China, France, Germany, Ireland, Netherlands, Norway, Poland, Spain, 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.



### 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.



**39%** international students<sup>3</sup> from

**Europe (EU):** Belgium, Bulgaria, Finland, France, Germany, Greece, Ireland, Luxembourg, Netherlands, Poland, Portugal, Romania, Sweden, Switzerland, United Kingdom.

**Rest of the world:** Angola, Australia, Bosnia-Erzegovina, Brazil, Canada, China, Cyprus, Congo, Egypt, Fiji Islands, Ghana, India, Iran, Iraq, Israel, Japan, Kenya, Lebanon, Malaysia, Mexico, Morocco, Nigeria, Pakistan, Philippines, Russia, Serbia, Seychelles, Singapore, Slovenia, South Africa, South Korea, Spain, Sri Lanka, Sudan, Taiwan, Thailand, Trinidad and Tobago, Turkey, USA, Uzbekistan, Venezuela, Vietnam, Zambia.

<sup>3</sup> Students enrolled in the first year of Medicine





# SCIENTIFIC LABORATORIES\*

\* in Milan

Geographical distribution of foreign researchers at Humanitas



From EU

53

Rest of the World  
(29 Countries)

76

## 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**<sup>1</sup>  
professor at Humanitas University

### CELLULAR IMMUNOLOGY

Principal investigator: **Paola Allavena**

### CLINICAL AND EXPERIMENTAL IMMUNOLOGY

Principal investigator: **Domenico Mavilio**

### CLINICAL IMMUNOLOGY AND AUTOIMMUNITY AND METABOLISM

Clinical Research Associate: **Carlo Francesco Selmi**<sup>1</sup>

### 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**<sup>1</sup>  
professor at Humanitas University

### GENOMICS OF HAEMATOLOGICAL MALIGNANCIES

Clinical Research Associate: **Matteo Della Porta**<sup>1</sup>  
professor at Humanitas University

### IMMUNOPHARMACOLOGY

Principal investigator: **Barbara Bottazzi**

### IMMUNOPATHOLOGY HEPATOBIILIARY LAB

Clinical Research Associate: **Ana Lleo De Nalda**<sup>1</sup>  
professor at Humanitas University

### LEUKOCYTE BIOLOGY

Principal investigator: **Massimo Locati**

### LEUKOCYTE MIGRATION

Principal investigator: **Silvano Sozzani**

### MEDICAL GENETICS AND RNA BIOLOGY

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

### MOLECULAR ALLERGOLOGY

Clinical Research Associate: **Walter Giorgio Canonica**<sup>1</sup>  
professor at Humanitas University

### MOLECULAR GASTROENTEROLOGY

Clinical Research Associate: **Luigi Laghi**<sup>1</sup>

### 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-Stella**<sup>1</sup>  
professor at Humanitas University

### PHARMACOLOGY AND BRAIN PATHOLOGY

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

### SKIN PATHOLOGY LAB

Principal investigator: **Antonio Costanzo**<sup>1</sup>  
professor at Humanitas University

### TRANSCRIPTIONAL AND EPIGENETIC CONTROL IN INFLAMMATION AND CANCER

Principal investigator: **Gioacchino Natoli**  
professor at Humanitas University

### TRANSLATIONAL IMMUNOLOGY

Principal investigator: **Enrico Lugli**

### TUMOR MICROENVIRONMENT

Junior principal investigator: **Diletta Di Mitri**

### 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**

Italian researchers who returned  
after an experience abroad



total

33

PRINCIPAL INVESTIGATOR	H INDEX <sup>2</sup> at January 1 <sup>st</sup> 2019
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<sup>1</sup> In addition to research, he/she works as a clinician

<sup>2</sup> H index >20. Fonte: Scopus