The Division of Infectious Diseases provides high-quality clinical care, teaching, and research in the field of infectious diseases.

**In-patient Unit**

The in-patient Unit takes care of the diagnosis and treatment of a wide range of infectious diseases caused by bacteria, viruses, fungi or parasites, including sepsis, health care associated infections due to multidrug-resistant pathogens, tuberculosis, HIV/AIDS, hepatitis. Our main specialization is the management of infectious complications in fragile patients, including those with haematological malignancies and H SCT. The unit is composed of 33 beds, including one dedicated to dangerous infectious diseases (e.g. Ebola virus infection) designed to ensure our medical staff can safely treat patients with highly infectious diseases. There are various facilities in place, including a semi-automatic laboratory machine. In 2016 we had 756 admissions, of which 701 infective episodes.

**Out-patient Unit**

The Out-patient Unit includes the HIV Service, that currently looks after about 1100 patients, and the hepatitis service, assisting about 387 patients. Dedicated nurses perform blood samples service and antiretroviral drugs direct distribution. The unit offers also free HIV-test and counselling about prevention of sexually-transmitted infections. The Out-patient Unit activities include post-hospitalization visits and consultations sent both from other wards of the hospital and from General Practitioners.

**Consulting Service**

We perform both internal and external consulting activity. The external consulting activity involves ID consultation in four hospitals of our district that don’t have ID specialist. During the last year, 5938 visits have been performed inside IRCCS “AOU San Martino - IST” Hospital and 180 outside.

**Laboratory for the diagnosis of fungal diseases and anti-fungal drugs monitoring**

The laboratory activities are related to the interest of our Unit for invasive fungal diseases in immunocompromised patients, and include tests for the detection of beta-D-glucan (Fungitell assay) and galactomannan (Aspergillus Platelia EIA) and measuring serum levels of voriconazole and posaconazole.

**Cystic Fibrosis**

An ID specialist is dedicated to the management of adult patients with Cystic Fibrosis (CF) in close collaboration with the regional center for Paediatric Cystic Fibrosis (Istituto G. Gaslini Children Hospital). In detail:
- 59 patients CF followed by the Ligurian CF Center older than 40 years
- 58 adult CF patients (including 7 lung transplant) follow-up shared with Pediatric Center
- 13 Ligurian diagnosis of ‘mild’ CF in patients aged> 40 years in the last four years
- From 2007 hospitalization for adults with cystic fibrosis
- From 2014 weekly outpatient activities
- From 2015 dedicated Day Service
- Active collaboration and consulting at Pediatric Center (66.5 days/year Adult ID specialist at Istituto G. Gaslini)

**Scientific activity**

During the last five years from our center 124 articles were published on peer-review journals. The scientific activity is focused on several topics (invasive fungal infections, MDR bacteria infection, immunocompromised host, HIV and HCV)

**Antimicrobial Stewardship**

As for the internal consultancy and antimicrobial stewardship, seven ID specialists are full-time or part-time committed to consulting activities in other departments, including Intensive Care Unit, HSCT Center, medical and surgery wards. Their activity includes antimicrobial stewardship (AMS). In this regard, a semi-restrictive and computerized AMS project has been implemented in IRCCS San Martino-IST since May 2015 through the Softar® software already used for drug prescription and distribution in the institution (Softar®, SANTALUCIA PHARMA APPS®, Via Madre Teresa di Calcutta 12, 29100 Località Gronagno, FC, Italy). In detail, for each prescription of antimicrobials deemed to be costly and/or at risk of exerting selective pressure for multidrug resistant organisms a request of approval/disapproval is automatically generated by the software, to be evaluated by infectious disease consultants (IDC). After prescription, IDC have a maximum of 48 h (72 h if the given antimicrobial is prescribed during weekend days) for evaluating the patient and approving/disapproving the prescription (as well as to decided the length of treatment), always following discussion with the original prescriber. Pending IDC decision, the prescribed drug is considered unrestricted and can be administered to avoid perilous omitted doses.

**Director**
- Prof. Claudio Viscoli, Full Professor of Infectious Diseases

**Medical Staff**
- Dr. Anna Idz Alessandrini
- Dr. Marco Camera
- Dr. Valeria Del Bono
- Dr. Antonio Di Biagio
- Dr. Ferdinando Dodi
- Dr. Antonio Ferrazin
- Dr. Giovanni Mazzarrello
- Dr. Norberto Morandi
- Dr. Federica Tocacino

**Universityary Staff**
- Prof. Andre De Maria, Associate Professor
- Prof. Malgorzata Mikulska, Associate Professor
- Prof. Sandra Ratto, Associate Professor
- Dr. Laura Ambra Nicolin, Assistant Professor

**Residents**
- Dr. Elisa Boldrini
- Dr. Maria Lucia Borghesi
- Dr. Andrea Dalle Vecchie
- Dr. Filippo Del Puente
- Dr. Nando Gandolfo
- Dr. Giulia Guastafredda
- Dr. Laura Magnasco
- Dr. Federico Magne
- Dr. Michele Minelli
- Dr. Nicoletta Riccardi
- Dr. Carolina Saffiati
- Dr. Giovanni Sarto
- Dr. Paolo Tantarelli
- Dr. Simone Tonelli
- Dr. Riccardo Ungaro

**Laboratory Staff**
- Dr. Elisa Furoro
- Dr. Franco Milachich

**Head Nurse**
- Mrs. Loredana Nuvolone
- Mr. Mauro Piombino

**Ph.D. Students**
- Dr. Aina Calvi
- Dr. Emanuele Delfino
- Dr. Daniele Roberto Giacobbe
- Dr. Sara Grignoli
- Dr. Alessio Memmo
- Dr. Andrea Pansini
- Dr. Roberto Principari
- Dr. Lucia Terrazzino

**Laboratory Staff**
- Dr. Elisa Furoro
- Dr. Franco Milachich
- Mr. Luigi Corradino

**Head Nurse**
- Mrs. Loredana Nuvolone
- Mr. Mauro Piombino

**Secretary**
- Mrs. Enrica Lombardi