Attractiveness

As a result of previously described Institutional activities, the applications of young Italian researchers choosing the IGB-ABT to establish their own laboratory upon their post-doctoral experience abroad, is increasing.
In the long term, the IGB-ABT aims at creating a hub of excellence in research and training in the South of Italy.

HOW TO REACH US

By Plane: from the Airport either take a taxi or the "Alibus" to Stazione Centrale from where you can take the Metro to Montedonzelli (see instructions below).

By Train: from Stazione Centrale (Piazza Garibaldi) take the Metro (Linea 1) direction Piscinola and get off at Montedonzelli Station. Turn left to Via Pietro Castellino and 100 meters on your right you will find the Institute.

By Car: from the highway A1: follow indications "Tangenziale". Get out to Zona Ospedaliera and follow directions to Ospedale Cardarelli; after the hospital go all the way to the traffic lights. Turn left to Via Pietro Castellino and proceed for 800 mt. The Institute is on your right.

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CNR | IGB
Istituto di Genetica e Biofisica
Adriano Buzzati-Traverso

Consiglio Nazionale delle Ricerche

The Institute

The Institute of Genetics and Biophysics "A. Buzzati-Traverso" (IGB-ABT) was founded in 1962 and currently hosts 46 Scientists and 34 Administrative and Technical staff. The research groups host approximately 150 research trainees (undergraduate and graduate students, and post-docs).

The Mission

The IGB-ABT aims at understanding the molecular basis controlling genetically and epigenetically the cell state and cell identity during embryonic development and post-natal life in normal and pathological conditions.

Research Interest

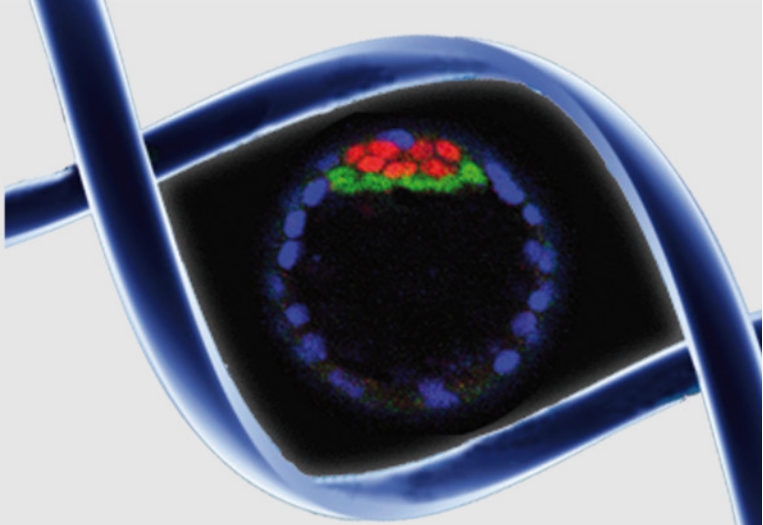
The scientific activities are focused on two areas: 1) Developmental Biology and Genetics; and 2) Molecular Mechanisms of Human Diseases.
Each Area includes 2 main research lines.
Area 1: Embryonic Development and Biology of Stem Cells; and Neurobiology and Tissue differentiation.
Area 2: Genetics, Genomics and Epigenetics of Diseases; and Molecular Oncology.
Human diseases include neurodegenerative, autoimmune, muscular, cardiovascular, metabolic, retinal and imprinting diseases.

Education and training

The IGB-ABT has a long-standing tradition in the training of PhD students and postdocs and has put in place a number of initiatives to attract young researchers. Indeed the IGB-ABT is affiliated with the graduate programs of the University 'Federico II' and the Second University of Naples; has coordinated two Initial Training Networks (ITN) from Marie Curie Actions within EU FP7, and has recently promoted a novel PhD programme (INCIPIT Project by H2020-MSCA-COFUND-2014), which will provide a multidisciplinary training in the field of Life Sciences, by pooling the expertise of eight CNR institutes, two Doctoral Schools and several non-profit and industrial partners.
In addition the IGB-ABT organizes weekly international seminars with distinguished speakers as well as hands-on courses for the training of young scientists in specialized technologies.
Since 1989 IGB-ABT organizes every year an international and interdisciplinary workshop on molecular and cellular biology of scientifically relevant subjects in Capri (http://www.igb.cnr.it/index.php?id=108) sponsored by FEBS or EMBO.

The IGB-ABT Facilities

The Institute runs a broad variety of cutting-edge technological platforms and resources/services to support competitive research programmes in the field of molecular and cellular biology. These include Integrated Microscopy, Homologous Recombination, Mouse Modeling, Animal House and FACS core which are freely available to internal researchers. These facilities are also available to external users, within the frame of collaborative research programmes or as services.



Activity with Industry

The IGB-ABT strongly believes that a close collaboration between academia and the industrial sector represents a key element to carry out innovative research. Indeed, several groups closely interact with SMEs and big pharmaceutical companies: GW Pharmaceuticals, Genzyme-Sanofi, Sigma-Tau, Bio-Ker Multimedica Group, Diatech Pharmacogenetics, Selyno. The ultimate goal is to either develop novel drugs or identify novel biomarkers.

The IGB-ABT URT

The IGB-ABT has opened a Research Unit (URT) at IRCCS Neuromed.The IGB-ABT URT will pursue a scientific program focussed on both the comprehension of molecular mechanisms controlling the functioning of dopaminergic neurons and the development of diagnostic new tools for Parkinson disease.