



The ICGEB mandate

An International Organisation for research, training and technology transfer in Life Sciences to promote sustainable global development

Developing Knowledge

The ICGEB instruments of action Cutting-edge research in its laboratories in Trieste, New Delhi and Cape Town • (6 macro areas) Advanced education supported by long- and short-term fellowships ٠ for PhD students and post-docs Organisation of meetings, courses and workshops ٠ at the international level Competitive grants for scientists in Member • Countries, including Early Career Return Grants Technology transfer to industry for the production of biotherapeutics and diagnostics CGER Provision of technical assistance and capacity enhancement in the regulation of biotechnology and its products







Relationship with Industry Technology Transfers

- ~70 collaboration agreements
- 20 different countries: Argentina, Bangladesh, Brazil, China, Cuba, Egypt, India Iran, Italy, Jordan, Pakistan, Russia, South Africa, Sri Lanka, Switzerland, Syria, Turkey, United Arab Emirates, Uruguay, Venezuela – where the products are in many cases already on the market
- >100 Scientists trained in our labs in the pharmaceutical production and Quality













Scientific Output				
ICGEB Publications from 2010-2016 include articles in:				
Nature, Nature Medicine, Nature Cell Biology, Nature Rev. Cancer, Nature Comm., Cell Host & Microbe,				
PLoS Pathogens, EMBO J., Genes Dev., Trends Biochem. Sci., Proc. Natl Acad. Sci. USA, J Exp. Med, Blood				
	Trieste	New Delhi	Cape Town	Total ICGEB
Total publications	610	805	137	1552
Total IF	3280.2	2467.8	788	6536
IF/Publication	5.4	3.1	5.8	4.2
Publication/year	87.1	115.0	19.6	221.7
Citations Trieste: 2014 - 6075; 2015 – 5858; 2016 – 5587. ICGEB Group Leaders are Editors or Editorial Board members on more than 60 international journals				





ICGEB Trieste Core Facilities

BL3 containment laboratory

Proteomics and mass spectrometry

Peptide synthesis and chemical modification

Advanced optical microscopy

Flow cytometry and cell sorting

Animal house

AAV Vector Unit (AVU)

Bioinformatics

High throughput, whole genome siRNA screening

Technical services and mechanics workshop



MAIN GOAL: Perform genome-wide RNA interference screens in human/mouse cells (upgradable for screening of small molecules in the future)

EQUIPMENT: - liquid handling station

LIBRARIES:

- liquid handling station
- automated high-content-microscope
- multimode microplate reader
- cell washers, liquid dispensers, microplate sealer

human whole-genome siRNA library (approx. 20 000 genes)
mouse whole-genome siRNA library (approx. 18 000 genes)
small siRNA sublibraries targeting specific intracellular pathways







How to become a Member of ICGEB

4. Entry into force for a country, 30 days after deposit date of its Instrument of Accession. At this point the Country acquires access to all the activities foreseen by the ICGEB Work Programme.

5. Four key steps to become a "Member State":

✓Assess national situation (legislative and administrative procedures)

✓Identify and contact the authority responsible for signing the Instrument(e.g. Head of State, Prime Minister, Minister of Foreign Affairs)

 $\checkmark {\rm Prepare}$ and sign the instrument of accession, ratification, acceptance as well as the other declarations eventually needed such as the full powers

✓ Deposit instrument with the Depositary

ICGEB Board of Governors approved Dominican Republic request of membership during its 11th Session, on 24-25 November, 2004.

