International Centre for Genetic Engineering and Biotechnology (ICGEB)
ICGEB International Centre for Genetic Engineering and Biotechnology

80+ Signatory Countries, 60+ Member States, 3 Components: Trieste (Italy) - New Delhi (India) - Cape Town (South Africa)
Instruments of actions

1. Cutting-edge **research** in its laboratories in Trieste, New Delhi and Cape Town

2. Advanced education supported by long- and short-term **fellowships** for PhD students and post-docs

3. Organisation of meetings, courses and **workshops** at the international level

4. Competitive **grants** for scientists in Member Countries, including Early Career Return Grants

5. Technology **transfer** to industry for the production of biotherapeutics and diagnostics

6. Technical assistance in the regulation of biotechnology and its products
Research: Macro-Areas and Groups

1. Infectious Diseases (9 Groups)

- **PARASITIC DISEASES**
  - Frank Brombacher (CT)
  - Pawan Malhotra (ND)
  - Asif Mohmmed (ND)
  - Amit Sharma (ND)
  - Neel Sarovar Bhavesh (ND)

- **VIROLOGY**
  - Alessandro Marcello (TS)
  - Sujatha Sunil (ND)
  - Anmole Chandele (ND)
  - Giorgia Schafer (CT)

2. Non-Communicable Diseases (17 Groups)

- **IMMUNOLOGY**
  - Dinakar Salunke (ND)
  - Federica Benvenuti (TS)
  - Dhiraj Kumar (ND)
  - Ved Prakash Dwivedi (ND)

- **NEUROBIOLOGY**
  - Emanuele Buratti (TS)

- **CANCER**
  - Lawrence Banks (TS)
  - Luiz Zerbini (CT)
  - Dimitar Efremov (TS)
  - Mike Myers (TS)
  - Arockiasamy Arulandu (ND)
  - Giannino Del Sal (TS)

- **MOLECULAR GENETICS**
  - Marco Baralle (TS)
  - Andrés Muro (TS)
  - Franco Pagani (TS)

- **CARDIOVASCULAR DISORDERS**
  - Mauro Giacca (TS)
  - Serena Zacchigna (TS)
  - Francesco Lojodo (TS)
Research: Macro-Areas and Groups

3. Medical Biotechnology (6)
- Biotherapeutic Products
  - Natasha Skoko (TS)
- Translational Health
  - Navin Khanna (ND)
  - Ranjan Nanda (ND)
- Computational Biology
  - Silvano Piazza (TS)
- Functional Cell Biology
  - Luca Braga (TS)
- Bioinformatics
  - Stefano Cacciatore (CT)

4. Industrial Biotechnology (7)
- Biofuels and Industrial Biotechnology
  - Syed Shams Yazdani (ND)
  - Naseem Gaur (ND)
  - Pavan Juttur (ND)
  - Shreesh Srivastava (ND)
  - Shashi Kumar Rhode (ND)
  - Dinesh Gupta (ND)
  - Giuliano Degrazii (Buenos Aires)

5. Plant Biology & Biotechnology (10)
- Crop Improvement
  - M.K. Reddy (ND)
  - Tanushri Kaul (ND)
  - Vittorio Venturi (TS)
  - Jitendra Kumar Thakur (ND)
  - Neeti Sanan-Mishra (ND)
  - Sneh Lata Singla-Pareek (ND)
  - Dennis Obonyo Ndolo (CT)
- Biotic and Abiotic Stress
  - Suresh Nair (ND)
- Plant Systems Biology
  - Lara Donaldson (CT)
- Regulatory Science
  - Wendy Craig (TS)
Biological drug development facility

New pharma-compliant fully equipped facility, comprising 215 m² of clean rooms, operational since May 2021

Fully equipped pharma compliant laboratory:

- Mammalian cell line development facility
- Upstream process Mammalian cell lines (M)
- Upstream process Microbial (Y&B)
- Downstream process (common M, B, Y)
- Polymer preparation (PEG, fatty acids) and protein-polymer conjugation process (common M, B, Y)
- GMP Quality Control (common M, B, Y)

GMP cell banking facilities for M, B and Y
Fellows on board 2021
(360: 270 on External Funds*)
Other Collaborative Fellowships Calls

Consult our webpage:
https://www.icgeb.org/activities/fellowship/
Meetings and Courses 2022

30 Meetings - 20 countries

ICGEB International Centre for Genetic Engineering and Biotechnology

Meetings and Courses 2022

ICGEB - ICGEB-D/RB Workshop “NMR spectroscopy for drug development and biomarker discovery”
New Delhi, INDIA
17 Jan

ICGEB-IUBMB Workshop “Advanced training in Immunology of Tuberculosis”
New Delhi, INDIA
14 Feb

ICGEB-D/RB Workshop “Theoretical and Practical Course “Applications of Flux Analysis and Synthetic Biology in Bioenergy” (FA/Synt Bioenergy)”
New Delhi, INDIA
21 Feb

ICGEB-D/RB Workshop “Hands-on training for High throughput Gene doping, eukaryotic expression and FACS sorting”
New Delhi, INDIA
25 Feb

ICGEB-D/RB Workshop “Hands-on Course on structural bioinformatics for cancer drug development”
Ankleshwar, GUJARAT
1 Mar

Course “Proteo-xome analysis by mass spectrometry”
Ankleshwar, GUJARAT
20 Mar

ICGEB-D/RB Workshop “Synthetic biology of photosynthetic organisms to produce value-added products”
New Delhi, INDIA
22 Mar

ICGEB-D/RB Workshop “Plant and microbiome synergies”
New Delhi, INDIA
29 Mar

ICGEB & The Future of Science “Biototechnology for economic & societal development in Southern Eastern Europe”
Skopje, TUNISIA
10 May

ICGEB-D/RB Workshop “Re-designing Smart Crops for Sustainable Agriculture: Dynamics of CRISPR Cas Breading, NGS and beyond”
Novi Sad, INDIA
25 May

Course “Application of advanced genomic tools for conservation of marine biodiversity”
Prehoda, ROMANIA
9 Jun

Course “Genomics/Metagenomics and NGS approaches for discovering new enzymes useful for industrial applications”
Novi Sad, INDIA
29 Jun

Joint ICGEB – ALS Society of Canada Symposium on inflammation & proteinopathy in ALS/FTD spectrum disorder
Ottawa, CANADA
3 Jul

Arquivo Falaschi Conference “At the intersection of DNA replication and genome maintenance: from mechanisms to therapy”
Naples, ITALY
16 Jul

Workshop “Frontiers in vaccine technologies and applications”
Zhuhai, CHINA
18 Jul

Course “Human papillomavirus (HPV) and related cancers: prevention, screening, diagnosis and priority research areas”
Harare, ZIMBABWE
16 Aug


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ICGEB Sponsored Events

7 Jun

7th Workshop on emerging issues in oncogenic virus research
San Porto in Bivongi, ITALY

30 Jun

The future of genetics in Angola
Lubango, ANGOLA

25 Jul

Agricultural biotechnology in developing countries
Lisbon, PORTUGAL

10 Sep

Annual Meeting of the Argentinean Biophysical Society
Rosario, ARGENTINA

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Follow us on
https://www.icgeb.org/activities/meeting-and-courses/
Meetings and Courses
36 proposals from 21 countries

ICGEB Meetings and Courses 2023

Call for Proposals

ICGEB provides support for the organisation of scientific events in the Life Sciences in ICGEB Member States.* Funding is available for Meetings, to be held in the three ICGEB Components (Trieste, Italy; New Delhi, India; Cape Town, South Africa); Workshops, co-sponsored by local organising institutes; Courses, providing theoretical and/or practical training. The "Future of Science" programme supports scientific events on currently hot scientific topics, with open communication to media and public; Seeds for Science, supports small meetings aimed at building networks for future research collaborations; Sponsorship is also provided to scientific events relevant to the ICGEB mandate in the ICGEB Member States.

Closing date for applications: 28 February 2022

Scientific institutions located in ICGEB Member States are encouraged to apply

Information:
ICGEB Meetings and Courses Unit
Loc. Padriciano, 99 - 34149 Trieste, ITALY
Tel: +39 040 3757332/7333
Email: MeetingOrganisers@icgeb.org

https://www.icgeb.org/activities/meeting-and-courses/
CRP Research Grants

• In 2021, a total of 516 grant applications were submitted to the national Liaison Officers.
• 148 were forwarded to the ICGEB for consideration, and 87 passed to the second round of international peer review.
• Funding was awarded to 26 projects (including 5 one-year grants that were renewed, including 3 by IILA)
• A total of 78 CRP Research Grant-funded projects were ongoing in 39 ICGEB Member States in 2021
Council of Scientific Advisers (CSA)

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Technology Transfers at ICGEB Trieste

• 80 Tech transfer agreements
• > 100 scientists trained
• 20 different countries