

ICGEB

The ICGEB provides a centre of excellence for research, training and technology transfer in the field of biotechnology to promote sustainable global development

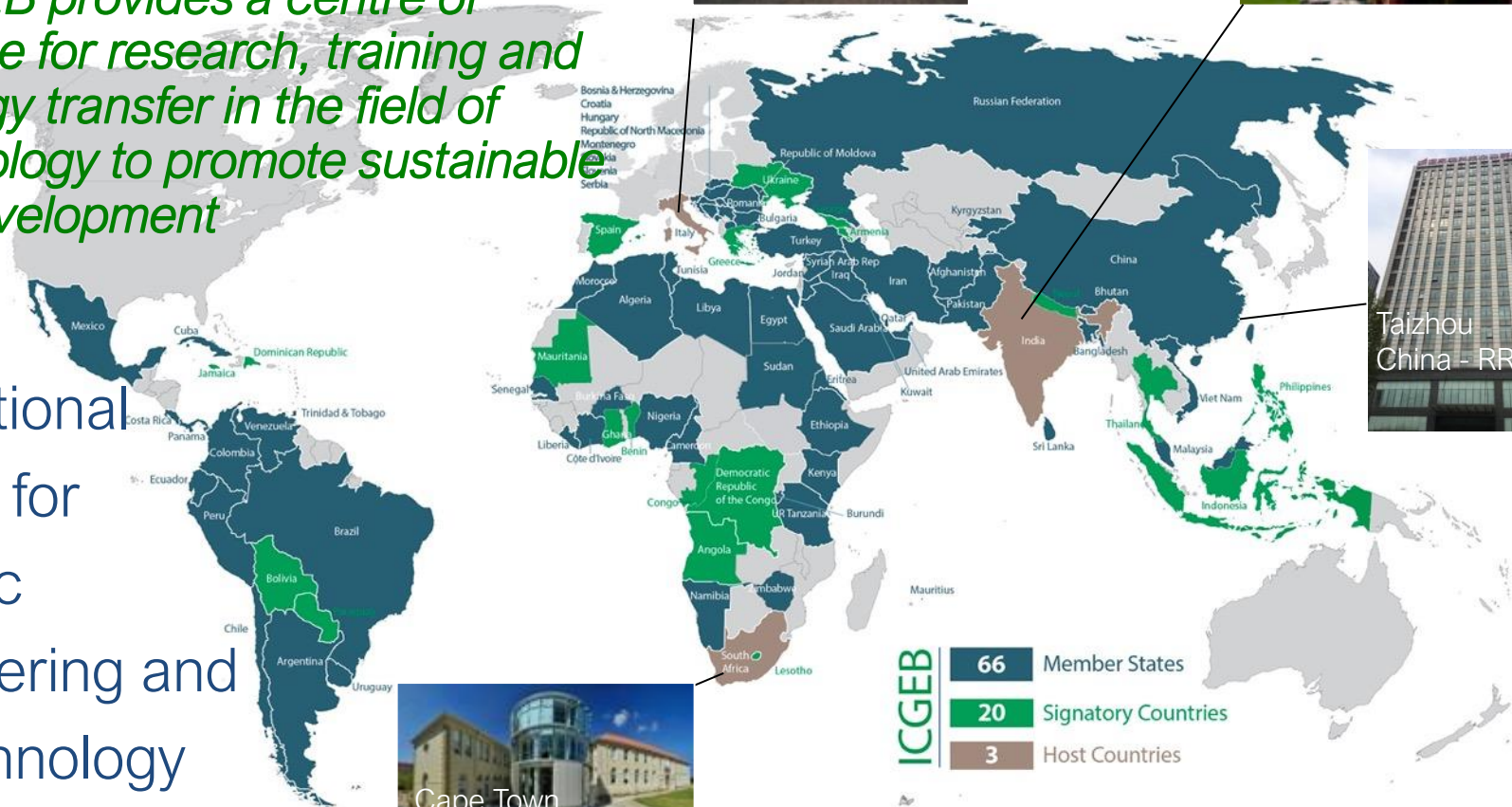
International
Centre for
Genetic
Engineering and
Biotechnology



Trieste
Headquarters



New Delhi
Component



Cape Town
Component



Taizhou
China - RRC

80+ Signatory States, 60+ Member States

3 Components: Trieste (Italy) – New Delhi (India) - CapeTown (South Africa)
a network of 40+ Affiliated Centres & the Regional Research Centre
of Taizhou, China

Developing knowledge



ICGEB

Medical Biotechnology

Biotherapeutics
Diagnostics
Computational biology
Functional cell biology
Biomanufacturing

Industrial Biotechnology

Biofuels

Regulatory sciences

Genetically modified organisms
Diagnostics

Plant biology

Crop improvement
Biotic and abiotic stress

Grants

Early career and
established

Fellowships

Short-term
PhD Programme
Postdoctoral
Programme

Meeting & Courses

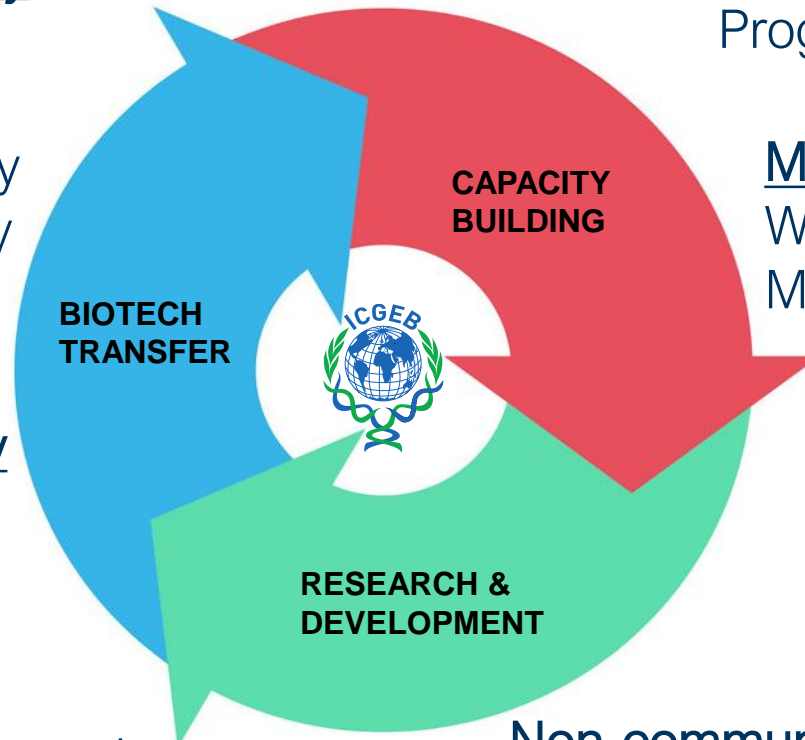
Workshops, Courses,
Meetings

Infectious disease

Malaria, TB, HIV
Arboviruses
Cancer viruses

Non-communicable diseases

Cardiovascular diseases
Neurobiology, Immunology
Genetic diseases
Cancer

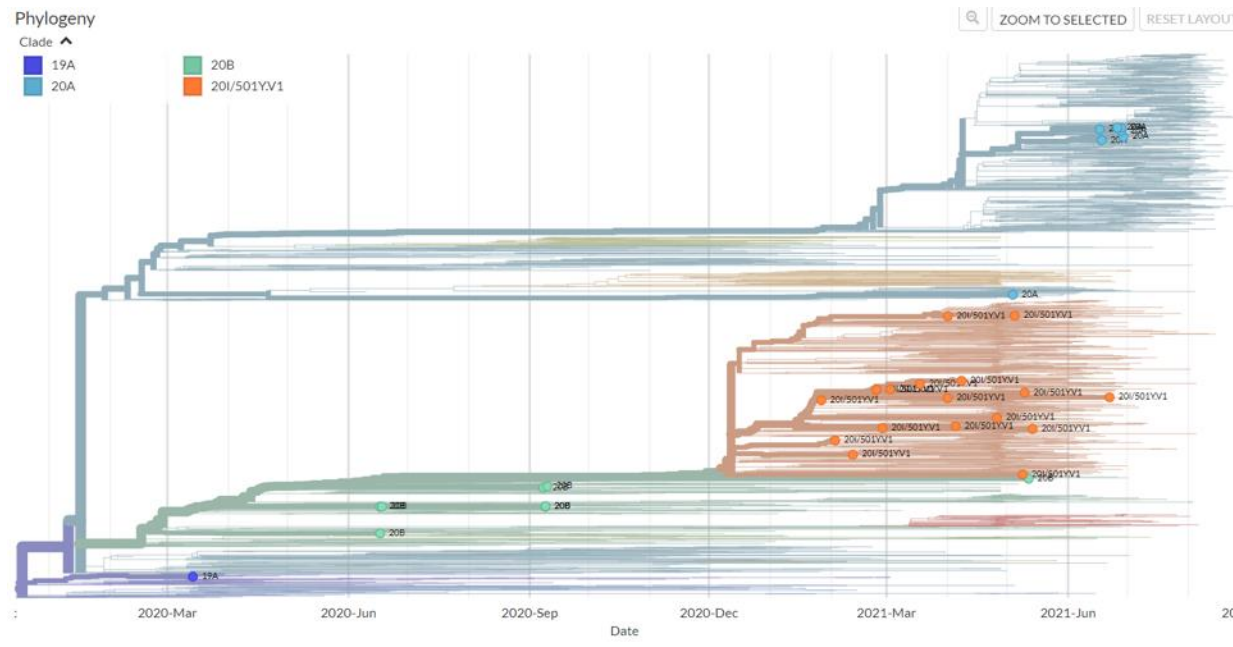


Strengthening epidemiological surveillance capacity to address COVID-19 and other epidemics



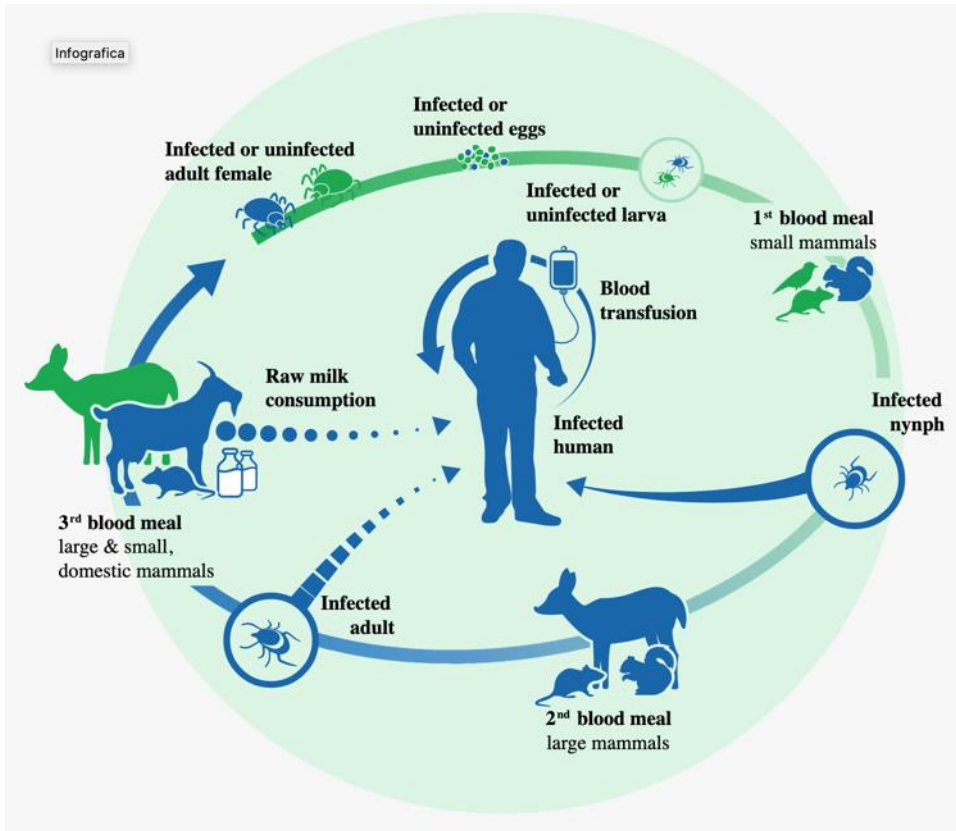
UNIVERSITATEA DE STAT DE MEDICINĂ
ȘI FARMACIE „NICOLAE TESTEMIȚANU”
DIN REPUBLICA MOLDOVA

Objective: contributing to the establishment of a permanent infrastructure in Moldova for the surveillance of coronaviruses and other human viruses



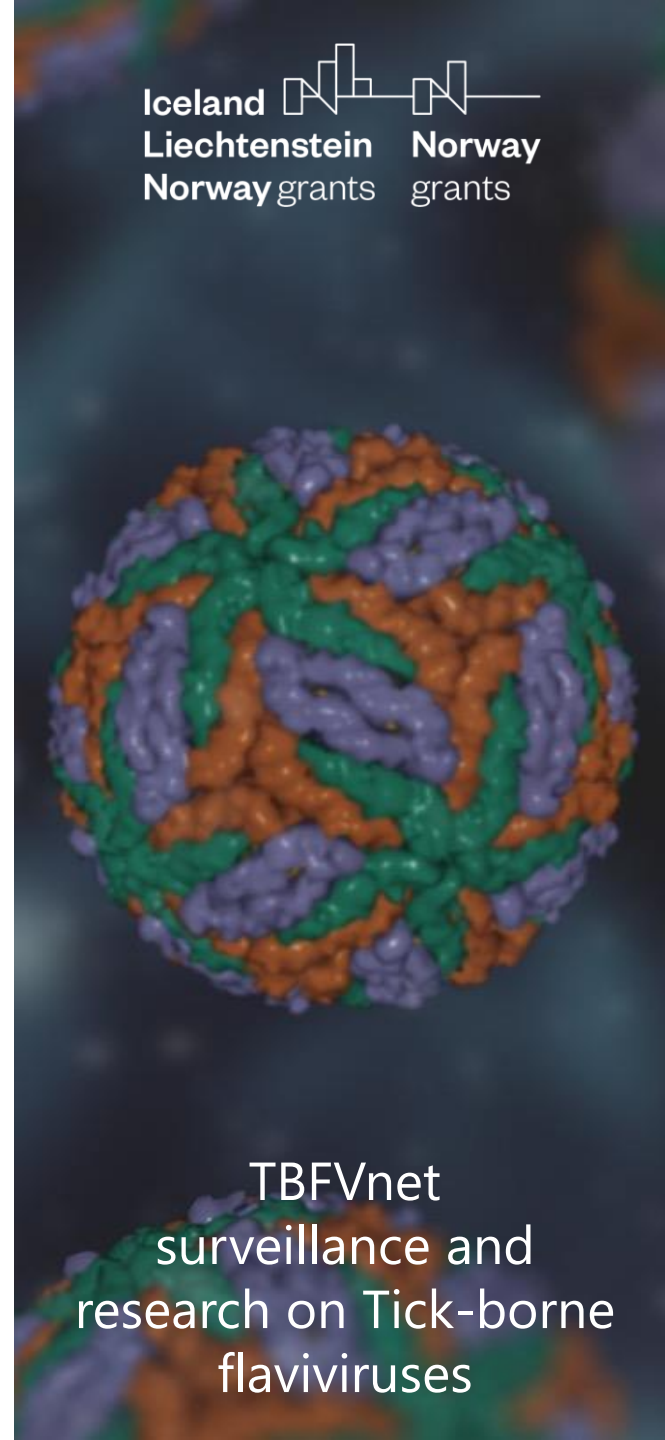
Donor: **Region Friuli Venezia Giulia**, Italy (L.R. 19/2000 – Call for International and development cooperation initiatives)





Diagnostics – Surveillance – Drug discovery - Cooperation

www.tbfvnet.eu



TBFVnet
surveillance and
research on Tick-borne
flaviviruses



BILL & MELINDA GATES foundation



RT-LAMP Testing

Clinical Study and Hands-On Protocol

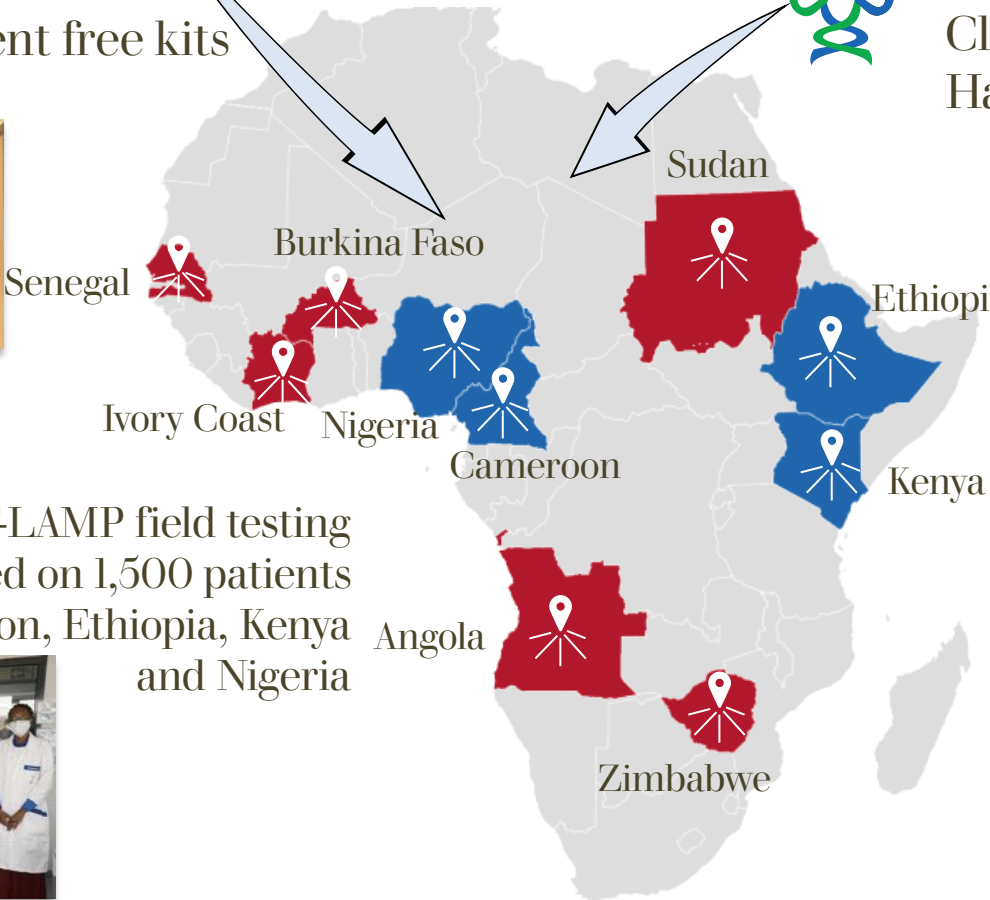
Tutorials:

- RNA Extraction
- RT-LAMP handling
- RT-qPCR use

Sent free kits



RT-LAMP field testing conducted on 1,500 patients in Cameroon, Ethiopia, Kenya and Nigeria



ICGEB Meetings & Courses

ICGEB Meeting: organized at the ICGEB Components, 250-300 participants, invited speakers and selected oral presentations, poster sessions, registration fee.

ICGEB Workshop: organized in Member States, 80-120 participants from laboratories working on a focused topic, oral and poster sessions.

ICGEB Course: theoretical and/or practical, 25-50 participants and 5-10 instructors.

ICGEB & The Future of Science: 1-2 days, involving 2-6 high profile leaders in the field. May involve working groups on current hot topics of particular public relevance and/or examine in a public context novel scientific developments that will impact on our society, with open communication to media and the general public.

Sponsorship of other meetings: financial contribution towards a scientific meeting organized in a Member State on a topic of relevance to the ICGEB mandate.





Arturo Falaschi PhD Fellowships

Closing Dates for Applications:

31 MARCH 2023

ICGEB offers postgraduate studies with the aim of obtaining the “Doctor Philosophiae” (PhD) degree in the life sciences. Thanks to specific agreements, the title can be awarded through a number of academic institutions of international standing.

[How To Apply](#)



Arturo Falaschi Short-term Postdoctoral Fellowships

Closing Dates for Applications:

31 MARCH 2023

ICGEB offers Short-term fellowships for Postdoctoral studies in ICGEB Component laboratories to fund ongoing collaborative research between scientists from ICGEB Member States and research groups at ICGEB laboratories.

[How To Apply](#)



Smart Fellowships – March 2023

Closing Dates for Applications:

31 MARCH 2023

The ICGEB SMART Fellowship programme promotes the mobility of researchers between ICGEB Member States.

[How To Apply](#)



Arturo Falaschi Postdoctoral Fellowships 2023

Closing Dates for Applications:

31 MARCH 2023

ICGEB offers competitive Postdoctoral Fellowships in Life Sciences to highly motivated scientists wishing to pursue postdoctoral research in a world-class scientific environment.

[How To Apply](#)



Arturo Falaschi Short-term PhD Fellowships – March 2023

Closing Dates for Applications:

31 MARCH 2023

ICGEB offers Short-term fellowships for Pre-doctoral studies in ICGEB Component laboratories to fund ongoing collaborative research between scientists from ICGEB Member States and research groups at ICGEB laboratories.

[How To Apply](#)

ICGEB Fellowships



Collaborative Fellowships' Programs



PACTs Fellowships for Least Developed Countries

The UN Technology Bank for Least Developed Countries, TWAS and ICGEB offer early-career scientists from the least developed countries (LDCs), aged 45 or under, exchange visits of up to 6-months at the ICGEB laboratories in Trieste (Italy), New Delhi (India) and Cape Town (South Africa).

South-North and South-South Fellowships include:

- Applying the latest techniques and technologies to your chosen research topic
- Training in the development and management of research projects, grant writing, teaching and knowledge transfer, and other scientific soft skills relevant for a career in S&T
- Establishing long-lasting international collaborations
- Immersion in a top class international scientific environment
- Stipend, health insurance and travel

Closing date for application:
31 August 2021

South-North Programme: <https://twas.org/opportunity/untbldc-twas-icgeb-south-north-programme-exchanges-and-collaborations>
South-South Programme: <https://twas.org/opportunity/untbldc-twas-icgeb-south-south-programme-exchanges-and-collaborations>

Nationals from **least developed countries** are encouraged to apply
Algeria, Angola, Bangladesh, Benin, Bhutan, Burkina Faso, Burundi, Cambodia, Central African Republic, Chad, Comoros, Democratic Republic of the Congo, Djibouti, Eritrea, Ethiopia, Gambia, Guinea, Guinea-Bissau, Haiti, Kiribati, Lao People's Democratic Republic, Lesotho, Liberia, Madagascar, Malawi, Mali, Mauritania, Mozambique, Myanmar, Nepal, Niger, Rwanda, Sao Tome and Principe, Senegal, Sierra Leone, Solomon Islands, Somalia, South Sudan, Sudan, Timor-Leste, Togo, Togo, Uganda, United Republic of Tanzania, Yemen, Zambia

UNTBDC
Mabeina A. Bakky | Digital Communications Specialist, UN Technology Bank for Least Developed Countries
Email: bakky@untbdc.org

TWAS
Max Pask | TWAS Programme Coordinator
Email: mpask@twas.org

ICGEB
Martina Viviani | ICGEB Fundraising, Technology Transfer & Innovation Officer
Email: grants@icgeb.org

Maria Mgella Zinga
from Tanzania to ICGEB Cape Town



Najneen Rejwana
from Bangladesh to ICGEB New Delhi



Opeyemi De Campos
from Nigeria to ICGEB Cape Town



Lida Carolina Lesmes Rodriguez
from Colombia to ICGEB Cape Town



Nadeeka Jayawardana
from Sri Lanka to ICGEB New Delhi

#February11

For International Day of Women & Girls in Science, ICGEB celebrates the Awardees of the EMPOWER Fellowships Programme with partners UNOSSC and Youth4South

South-South and Triangular Cooperation for women scientists from developing countries



ICGEB EMPOWER Fellowship



BiotechNet

Enhancing the scientific competences of researchers and research institutions from **Ethiopia and Djibouti** in the field of Life Sciences

ICGEB opportunities (2021-2024):

- Meetings & Courses – deadline 28 February
- PhD Fellowships – deadline 31 March
- Short-term PhD & Postdoc Fellowship – deadline 31 March and 30 Sept
- CRP Research Grants – deadline 30 April

The BIOTECHNET project is funded by the Italian Agency for Development Cooperation



*Alleanza degli Stati Uniti
nella Cooperazione Internazionale*



International Centre for Genetic Engineering and Biotechnology

WE-STAR Fellowships



PhD and Postdoctoral mobility scheme for Women Scientists in Africa

With the support of the Italian Ministry of Foreign Affairs and International Cooperation (MAECI), the International Centre for Genetic Engineering and Biotechnology (ICGEB) offers early-career women scientists from ICGEB Member States in Africa, a training period of 6-12 months at the ICGEB laboratories in Trieste (Italy), New Delhi (India) and Cape Town (South Africa), to perform research work on biotechnology and related fields, including Health (Infectious Diseases and Non-Communicable Diseases), Sustainable and Effective Agriculture, Industrial Biotechnology and Renewable Energy

The WE-STAR Fellowships include:

- Stipend, health insurance and travel
- Applying the latest techniques and methodologies to your chosen research topic
- Opportunities for mentoring and complementary skills
- Immersion in a top class international scientific environment

Closing date for application:
28 January 2022

<https://www.icgeb.org/activities/fellowship/WE-STAR/>

Applicants from the following ICGEB Member States are eligible to apply:

Algeria, Angola, Burkina Faso, Burundi, Cameroon, Cote d'Ivoire, Egypt, Eritrea, Ethiopia, Kenya, Liberia, Libya, Mauritius, Morocco, Namibia, Nigeria, Senegal, South Africa, Sudan, Tunisia, United Republic of Tanzania, Zimbabwe

In case of emergency related to COVID-19, the programme may be subject to adjustments

Information & Applications
ICGEB CRP & Fellowships Unit
Loc. Padriciano, 99 - 34149 Trieste, ITALY
Tel.: +39-040-3757382/7347
Email: Fellowships@icgeb.org



www.icgeb.org



Collaborative Research Grants 65 Ongoing Projects in 35 Countries

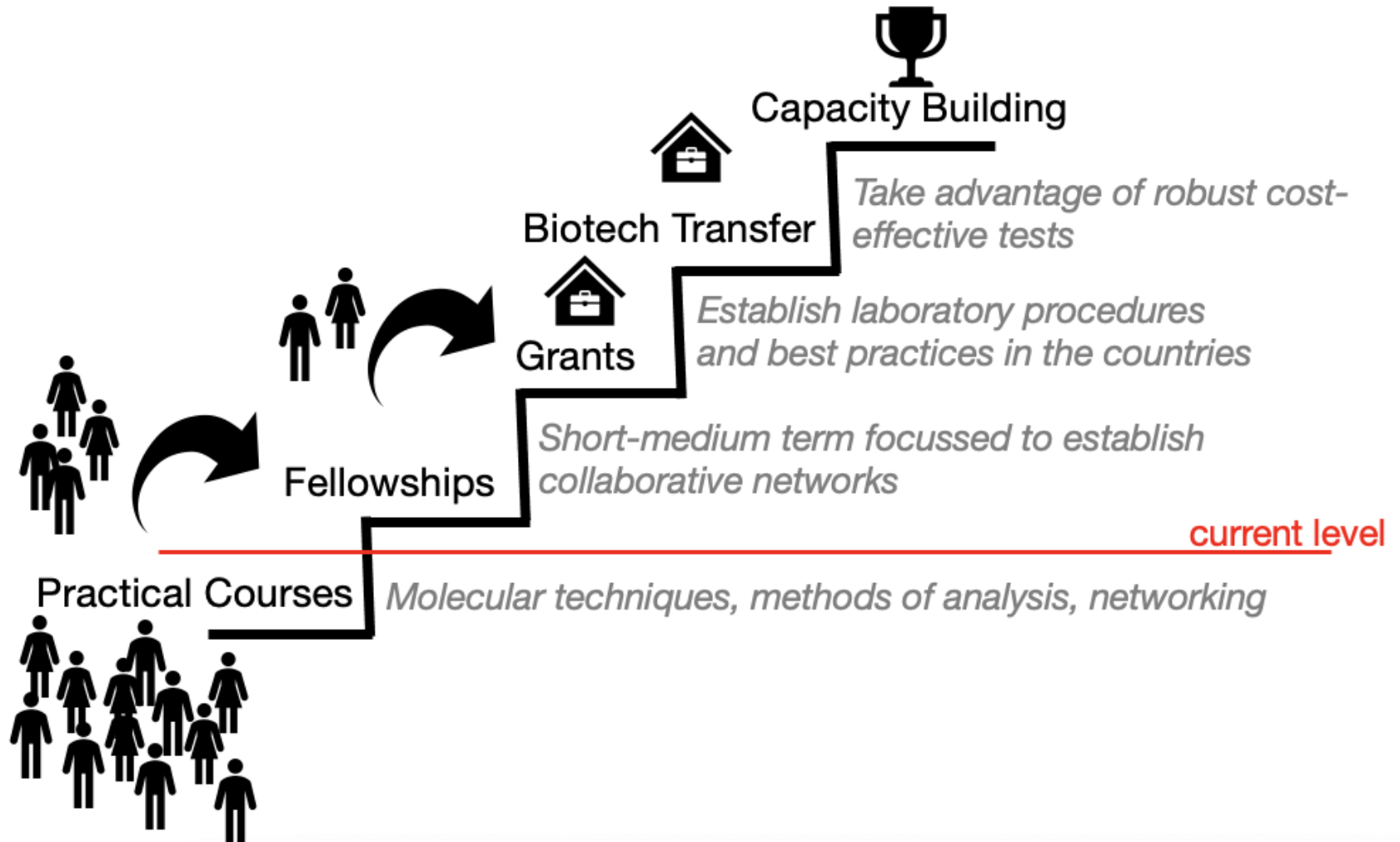


A special category of **CRP-ICGEB Early Career Return Grants** is intended to fund young researchers with an outstanding track record, who have spent a minimum of 2 years abroad and have recently returned to an ICGEB Member State to establish their own independent laboratories.



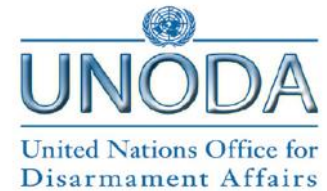


Climbing the ladder to capacity building in virus detection and biosecurity





ICGEB – BWC ISU partnership



ICGEB-BWC Joint Course on Virus Detection and Biosecurity was held from 14 to 16 June 2023 in Trieste, Italy. 21 participants, 13 of them women, were selected from a pool of more than 200 applicants. Participants with background in molecular biology were from 20 BWC States Parties in the group of DAC LDC Countries (Armenia, Bosnia Herzegovina, Botswana, China, Ethiopia, Georgia, Ghana, Iran, Italy, Jordan, Kazakhstan, Kenya, Malawi, Mali, Niger, Nigeria, Pakistan, Philippines, Saudi Arabia, Sierra Leone, South Africa, Uganda, and Ukraine).

More info: <https://www.icgeb.org/bwc-capacity-building-course-on-virus-detection-and-biosecurity/>





Upcoming activities

ICGEB-BWC-TWAS-IAP Joint Course on Virus Detection, Biosecurity and Science Diplomacy (4-8 March 2024, Trieste, Italy). A joint Initiative by the ICGEB, The World Academy of Sciences (TWAS), the Inter Academy Partnership (IAP) and BWC.

More info at: <https://www.icgeb.org/virus-detection-biosecurity-and-science-diplomacy-course-trieste-2024/>

Italian Ministry of Foreign Affairs (MAECI) - ICGEB Early Career African Women in Science Fellowship to enhance the Implementation of Article X of the Biological Weapons Convention. Deadline March 2024.

More info at: <https://www.icgeb.org/activities/fellowship>

Speakers of today



Dr. Mariana Ulinici, Chief of the Microbiology Department at a private medical laboratory.

She is a dedicated medical microbiologist with more than ten years of experience in the field. She is an assistant professor of microbiology at the State University of Medicine and Pharmacy Nicolae Testemitanu in the Republic of Moldova, where she is devoted to educating the next generation of scientists. Recently, she was appointed Chief of the Microbiology Department at a private medical laboratory in October 2022. Her research interests focus on viruses, and she is currently in the final stages of completing her PhD thesis. When she is not busy working in the lab, Mariana enjoys travelling and exploring new cultures.



Dr. Joseph Fokam is a Senior Virologist/Lecturer and Head of Virology Laboratory at CIRCB (Chantal BIYA International Reference Centre) in Yaoundé, Cameroon. He is a lead virologist on COVID-19 and emerging pathogens; the national representative at the WHO HIV testing guidelines development and HIV drug resistance working group; consultant and principal investigator on several grants including ICGEB-BMG & EDCTP. He belongs to professional bodies (IAS, ASM, ASLM, HIV Cure Research), has 125 scientific publications, owns several award/distinctions and is Editor for several peer-reviewed journals.

Thank you

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ICGEB

International Centre for Genetic
Engineering and Biotechnology

Developing
Knowledge