



INB

**International Network on Biotechnology
(INB)**

Rationale for the INB

Advances in the life sciences and biotechnology
are changing the risk landscape

The spectrum of risks is evolving:

- ✓ Cyber attacks against healthcare providers
- ✓ DIY biology and genome editing kits
- ✓ Gain-of-function experiments



How can we address
emerging and future risks?

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A global network

The INB is a **global network** of academic and research institutions, non-governmental and international organizations, and other stakeholders, committed to advancing **responsible and secure conduct** in the life sciences

The INB's **primary goals** are to:

- **Raise awareness** about the opportunities and risks enabled by advances in biotechnology
- **Advance responsible life science education**
- **Advocate practical (policy) measures** to ensure sustainable progress in biotechnology
- **Enable** partners to fulfil their **international obligations**



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Network Partners

Network Partners from different regions and countries:

Asia

Pakistan

Philippines

Japan

China

Middle East

Lebanon

Jordan

North Africa

Morocco

North America

United States

South America

Argentina

Europe

Italy

Germany

Switzerland



Administered by UNICRI, in collaboration with the US FBI

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How the INB works

Peer-to-peer: Provides a sustainable platform for Network Partners to (co-)develop and share educational resources tailored to local needs



Interdisciplinary: Links sectors, technical competencies and experiences from different countries and regions

Future-oriented: Innovative educational resources focused on the latest developments in the life sciences and biotechnology



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INB navigation platform

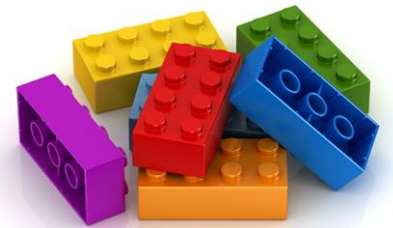
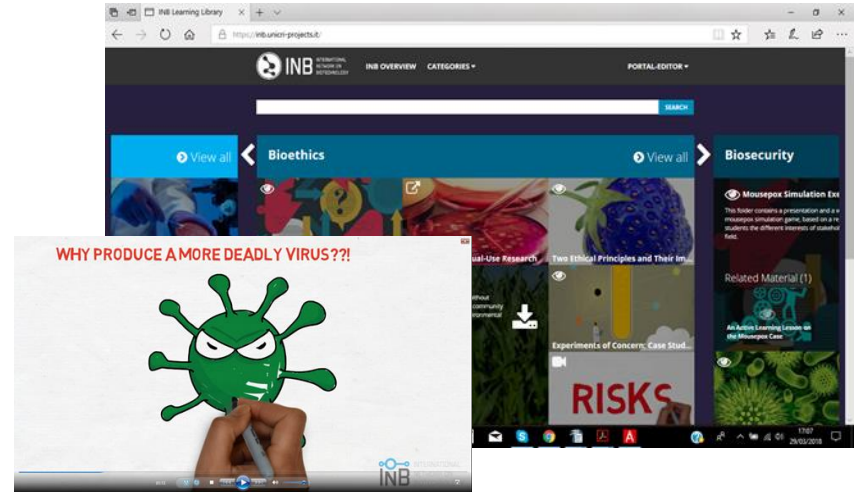
A digital platform to view, download, upload and share **customizable and user-friendly** teaching/training materials

Innovative educational resources:

- ✓ Technology briefs
- ✓ Case study videos
- ✓ Scenario-based exercises
- ✓ Immersive learning (VR lab tours)

A modular approach:

- ✓ Complement existing teaching/training programmes/curricula by integrating individual module or
- ✓ Design and build courses/trainings from the bottom up



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Important dates and events

Second Network Partners Meeting

- 5-6 September 2018, Geneva

Call for contributions on *Biotechnology Risk Scenarios* report

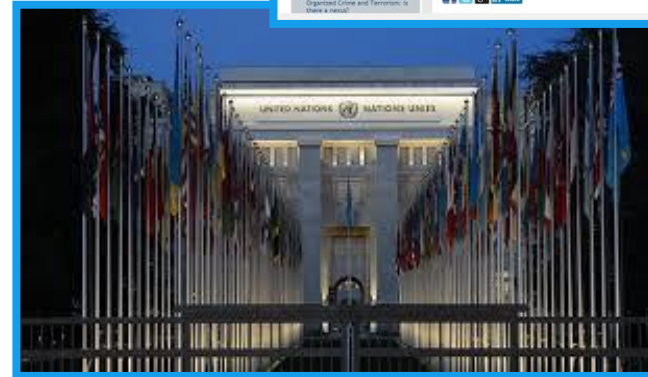
- Until 20 August 2019, UNICRI website

Experts meeting to discuss technology solutions based on report

- 16 October 2018, Geneva



The screenshot shows the UNICRI website with a prominent blue banner that reads "Call for contributions: Innovative ideas and new solutions to mitigate emerging risks of advances in biotechnology" with a deadline of 27 August 2018. Below the banner is a list of recent news items, including reports on the Board of Trustees, summer schools, and various seminars. A large image of a glowing red and purple neural network is featured on the right side of the page. The text below the image explains the call for contributions, stating that advances in biotechnology are rapidly changing what is possible in medicine, agriculture, and industry, and that the call is for security experts and representatives from industry, academia, civil society organizations, and international organizations. It also provides contact information for W. Francesco Marelli and W. Marco Musumeci.



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Thanks for your attention

For more information:

E-mail: biotech@unicri.it

INB Portal: inb.unicri-projects.it/inb-overview



A word cloud of terms related to biotechnology and biosecurity. The most prominent words are 'EDUCATION', 'TRAINING', 'BEST PRACTICES', 'INNOVATION', 'GENE EDITING', 'GMOS', and 'SYNTHETIC BIOLOGY'. Other visible terms include 'BIOTERRORISM', 'DUAL-USE RESEARCH', 'UNINTENDED CONSEQUENCES', 'OMICS', 'RESPONSIBLE LIFE SCIENCE', 'BIOSAFETY', 'AGROTERRORISM', 'SAFEGUARDING SCIENCE', 'PREVENTION', 'BIODETHICS', 'BIOTECHNOLOGY', 'EMERGING RISKS', and 'BIOSAFETY'.

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