# On the Need for an International Biosecurity Education Network

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https://www.londonmet.ac.uk/ https://www.londonmet.ac.uk/research/centresgroups-and-units/biological-security-researchcentre/





**Biological Security Research Centre** (BSRC)

## Recent relevate publications

**CORRESPONDENCE** 27 September 2022

# **Dual-use research needs international oversight**

Simon Whitby ⊠, Malcolm Dando & Lijun Shang







Nature

There is a worldwide deficit in expertise and training of ethical-review personnel (see, for example, <u>go.nature.com/3rkpt1b</u>). This is of particular concern for 'dual-use' research that could have both beneficial and harmful consequences.

#### Journal Pre-proofs

Dual-Use Oversight: Is the Scientific Community Fit for Purpose? What Should Be Done if it is Not?

Lijun Shang, Kathryn Millett, Malcolm Dundo

PIE \$2588-9338(23)00050-X

DOE https://doi.org/10.1016/j.jobb.2023.11.001

Reference: JOBB 134

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#### Contents lists available at ScienceDirect

#### Journal of Biosafety and Biosecurity



journal homepage: www.keaipublishing.com/en/journals/journal-of-biosafetyand-biosecurity/

Research Article

GLOBAL IMPACT

### Rethinking biosecurity in the 21st century: An enhanced role for civil society



Lijun Shang abo, Malcolm Dando bo, a

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- in Biological Security Research Centre, London Metropolitan University, Landon N7 8DR, UK
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#### PERSPECTIVE article

Front, Polit. Sci., 07 September 2023

Sec. Peace and Democracy

Volume 5 - 2023 | Helps / No. 6+g/10 3388/16/4 2023 (266008

#### A key role for scientists in strengthening the Biological Weapons Convention



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Rethinking Biological Security Education in order to help strengthen the Biological and

Toxin Weapons Convention (BTWC)

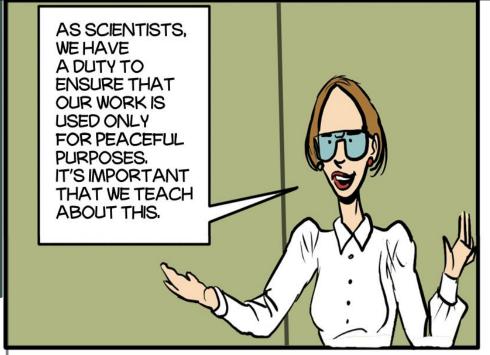
Lijun Shang<sup>1,3</sup>, Malcolm Dando<sup>1,3</sup>

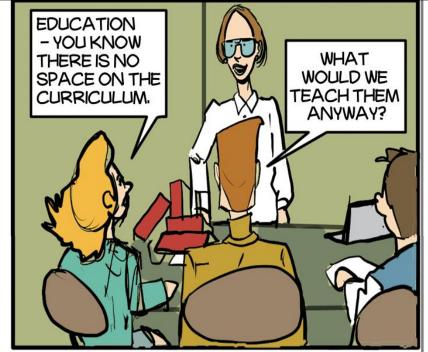
1 School of Human Sciences, 2 Biological Security Research Centre, London Metropolitan

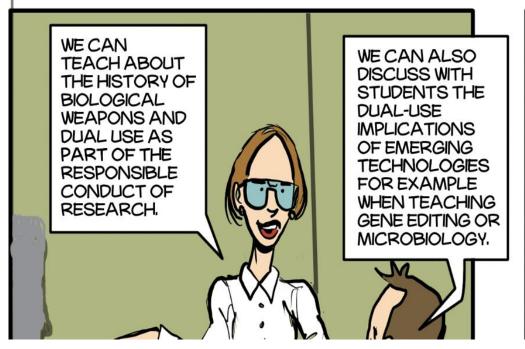
University, London, N7 808; 3 University of Bradford, Bradford, BD7 1DP

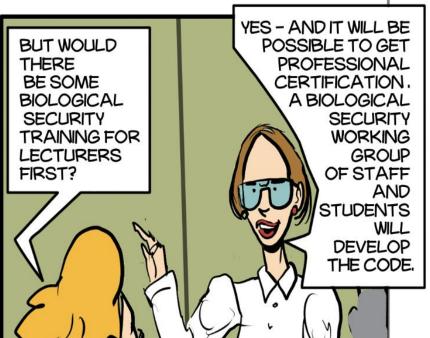
Intersec, Nov/Dec 2023 in press.

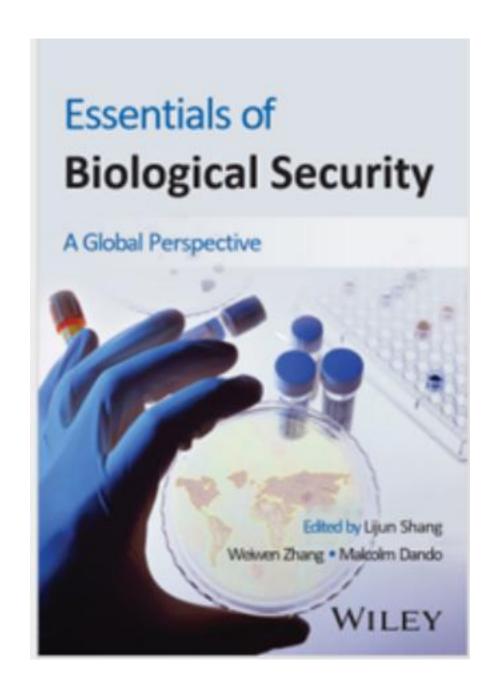
# Codes of Conduct











to be published June 2024

### Recent relevant Publications

- Dual-use oversight: Is the scientific community fit for Purpose? What should be done if it is not? Journal of Biosafety and Biosecurity, 2023, https://doi.org/10.1016/j.jobb.2023.11.001
- A key role for scientists in strengthening the Biological Weapons Convention. *Front. Polit. Sci.* 5:1265008. 2023, doi: 10.3389/fpos.2023.1265008
- Rethinking biosecurity in the 21st century: An enhanced role for civil society. *Journal of Biosafety and Biosecurity, 2023, https://doi.org/10.1016/j.jobb.2023.07.004*
- Meeting the Challenges of Chemical and Biological Weapons: Strengthening the Chemical and Biological Disarmament and Non-proliferation Regimes. *Front. Polit. Sci. 4:805 426. 2022, doi: 10.3389/fpos .2022.805426*
- Strengthening the Biological and Toxin Weapons Convention after COVID-19. *Translational Toxicology and Therapeutics*, 2022, https://pubs.rsc.org/en/content/ebook/978-1-83916-306-7
- Key issues in the implementation of the Tianjin Biosecurity Guidelines for codes of conduct for scientists: A survey of biosecurity education projects, *Biosafety and Health (2022), doi: https://doi.org/10.1016/j.bsheal.2022.08.003*
- Dual-use research needs international oversight. Nature. 2022, doi: 10.1038/d41586-022-03011-0.
  PMID: 36167995.

# Recent relevant grants

#### Biological Security Research Centre at London Met awarded charity funds

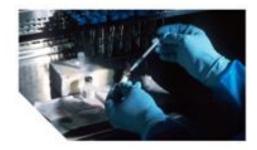
A grant received by Joseph Rowntree Charitable Trust aims to help prevent misuse of biological developments and to enhance biosecurity education

Date: 28 July 2023

The Biological Security Research Centre (BISRC) at London Met has been awarded a 681,785 grant from the Joseph Rowntree Charitoble Trust (JRCT) to help enhance biosecurity education for life scientists in the UK and around the world over the heat two years through the development of an International Biological Security Education Network.

The UK Biological Security Strategy makes clear that biological security involves the prevention of natural, accidental and deliberately caused disease in humans, animals and plants, and that this strategy has to be continually maintained and developed during this period of rapid scientific and technological change.

Recently the World Health Organization (WHO) pointed out in its Global Framework for the Responsible Use of the Life Sciences that: "A chronic and fundamental challenge is a widespread lack of awareness that work in this area – which is predominantly undertaken to advance knowledge and tools to improve health, economies, and societies – could be conducted or misused in ways that result in health and security risks to the public. Also, incentives



#### on Met's Biological Security arch Centre awarded new from Marmot Trust

In centre has been awarded a new grant from the Marmot Trust to emical Weapons Convention State Parties meetings for the next three years.

The Biological Security Research Centre's (BSRC) new grant will help monitor the Chemical Weapons Convention (CWC) meetings, particularly regarding the regulations of toxin, bioregulator and other such mid spectrum agents.

The main focus of the BSRC is on efforts to strengthen the Biological and Toxin Weapons Convention (BTWC), but from its inception it has argued that there is a biochemical threat spectrum ranging from classical chemical weapons. It rough to mich spectrum agents and biological weapons. Led by Professor Lijun Shang, the research team suggests that the Chemical Weapons Convention (CWC) and the Biological and Toxin Weapons Convention (BTWC) should be considered together as the primary international agreements preventing the misuse of the chemical and life sciences in seapons.



The grant will support further research into connection the mission of the chemical and life.

### Planned events in 2024

- Book Launching (June)
- IBSEN workshop (July/August)

We welcome everyone who would like to collaborate with LMU BSRC in this task and the general BWC issues.



Acknowledgements - thanks to various grants from

the Joseph Rowntree Charitable Trust

London Metropolitan University &

collaborators around the world