

Enhancing the Governance of Dual-Use Life Science Research through Effective Implementation of Codes of Conduct for Life Scientists

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The views expressed in the presentation are those of the authors alone.

Presentation Abstract

This presentation focuses on the role that life science stakeholders can play in addressing the dual-use potential of modern biotechnology, in order to ensure that the life sciences are used only for peaceful, prophylactic, and protective purposes. Education and awareness-raising are important tools for engaging life science stakeholders in public and private sectors with the management of dual-use risks. We report on the development of innovative biological security training resources that use the principles of active learning to sensitise life scientists to the practical application of biological security concepts. The resources include a team-based learning manual that accompanies the guide *Preventing Biological Threats: What You Can Do* and a concept cartoon series that has been translated into 12 languages.¹

¹ See S. Whitby et al. *Preventing Biological Threats: What You Can Do*, University of Bradford, UK, 2015. <https://bradscholars.brad.ac.uk/handle/10454/7821>; T. Novosiolova, *Biological Security Education Handbook: The Power of Team-Based Learning*, University of Bradford, UK, 2016. <https://bradscholars.brad.ac.uk/handle/10454/7822>; *Strengthening the Web of Prevention against Chemical and Biological Weapons* (cartoon series), London Metropolitan University, UK, 2021. <https://www.londonmet.ac.uk/news/spotlight/heightened-risk-of-disease-as-a-means-of-terrorism-say-international-security-experts/>.

Presenter – short biography



Dr Tatyana Novosiolova is [Research Fellow](#) with the Law Program of the Center for the Study of Democracy, Bulgaria. Tatyana holds a PhD in the area of biological disarmament and non-proliferation from the University of Bradford, UK as part of which she has examined the governance of biotechnology in Post-Soviet Russia. Tatyana conducts academic research on the strengthening of the Biological and Toxin Weapons Convention (BTWC) and is experienced with the development and promulgation of active learning training tools for enhancing biological security awareness in the life sciences. She is a member of the Equity-Focused Coordinating Committee of the International Federation of Biosafety Associations (IFBA).