

**PROTOCOL**  
**of the 5<sup>th</sup> Meeting of the Ukrainian-Latvian Joint Commission**  
**on Scientific and Technological Cooperation,**  
**held by written procedure**

In conformity with the Agreement between the Government of Ukraine and the Government of the Republic of Latvia on Cooperation in the Fields of Education, Science, youth and sports, signed on September 29, 2017, the Agreement on Joint Program of Scientific and Technological Cooperation between the Ministry of Education and Science of Ukraine and the Ministry of Education and Science of the Republic of Latvia (hereinafter referred to as "the Parties"), signed on December 31, 2015, considering the impossibility of holding the meeting of the Joint Commission in person, due to the Russian invasion in Ukraine, the Joint Commission's fourth session was held and decisions were made in the written procedure.

1. The list of the members of the Joint Commission representing both Parties can be seen in Annex 1.
2. The Joint Commission noted that the Call for joint Ukrainian-Latvian research projects for 2025-2026 was held from 15<sup>th</sup> July to 13<sup>th</sup> September 2024.
3. In total, 78 project proposals were received within the Call, 61 of which met the administrative criteria. All announced Call priority fields were covered by eligible project proposals:
  - 1) Energy and energy efficiency – 11 applications;
  - 2) Ecology and sustainable environmental management – 13 applications;
  - 3) New technologies of preventing and treating the most common diseases, research in the field of biotechnology, bioengineering and genetics – 12 applications;
  - 4) New materials – 12 applications;
  - 5) Social sciences and humanities – 13 applications.
4. The maximum score for the scientific expertise of a project proposal was 160 points from the Ukrainian side and 48 points from the Latvian side.
5. The Joint Commission discussed the results of the scientific expertise of 61 project proposals online.
6. The Joint Commission, considering the scientific evaluation scores of project proposals from both Parties, the available budget, as well as the balance of the Call priority fields, after bilateral online consultations, selected and approved for funding eleven (11) joint research projects for the years 2025-2026 (list of approved projects is attached in Annex 2). The Joint Commission approved one project in the reserve list (listed in Annex 2).
7. Both Parties will grant financial support for the joint research projects. Both Parties reserve the right to finance the joint research projects for 2025-2026 in accordance with the terms of the Joint Program, considering the budget available for this purpose to each Party and in according to national regulations.
8. Financial support for the joint research project includes salaries for research staff involved in the implementation of the joint research project as well as costs for materials, equipment, joint seminars, conferences, meetings, as well as preparation and publishing of articles.
9. Each Party will also cover mobility costs for its researchers, namely: travel expenses, accommodation costs, daily allowance, visa, if needed, and medical assurance.

10. The support for the implementation of the joint research project for the second year (in 2026) may be withdrawn if a joint research project is not carried out in compliance with its proposal or the beneficiary does not submit the progress report in conformity with regulations stipulated by the Parties.

11. The Parties agreed that the date and place of the next meeting of the Joint Commission will be determined through diplomatic channels.

The Protocol, the annexes of which are an integral part, was drawn up in English in two copies, on April 25, 2025.

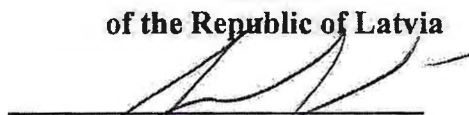
**For the Ministry of Education and  
Science of Ukraine**



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**Denys Kurbatov,  
Deputy Minister**

**For the Ministry of Education and  
Science  
of the Republic of Latvia**



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**Lana Frančeska Dreimane,  
Director of the Department**

**List of the members of the Joint Commission**Ukraine:

|                     |  |
|---------------------|--|
| Denys Kurbatov      | Deputy Minister, Ministry of Education and Science of Ukraine,<br>Co-Chair of the Joint Committee  |
| Grygorii Mozolevych | Director General of the Directorate for the Development of<br>Science, Ministry of Education and Science of Ukraine  |
| Andrii Ostapenko    | Head of the Department of International Scientific<br>Cooperation of the Directorate of Science Development,<br>Ministry of Education and Science of Ukraine             |
| Oksana Lashkova     | Chief Specialist of the Department of International Scientific<br>Cooperation of the Directorate of Science Development,<br>Ministry of Education and Science of Ukraine |

Latvia:

|                         |  |
|-------------------------|--|
| Lana Frančeska Dreimane | Director of the Department of Higher Education, Science and<br>Innovation, Ministry of Education and Science of the Republic<br>of Latvia, Co-Chair of the Joint Committee |
| Lauma Sīka              | Deputy director, Department of Higher Education, Science and<br>Innovation, Ministry of Education and Science of the Republic<br>of Latvia                                 |
| Anita Leiškalne         | Deputy director for research, Department of Higher Education,<br>Science and Innovation, Ministry of Education and Science of<br>the Republic of Latvia                    |
| Maija Bundule           | Head of the International Research Programs Unit, Latvian<br>Council of Science  |
| Ineta Plikša            | Senior Expert, International Research Programs Unit, Latvian<br>Council of Science   |

**LIST OF JOINT UKRAINIAN-LATVIAN RESEARCH PROJECTS  
APPROVED FOR FUNDING FOR THE YEARS 2025-2026**

| <b>No</b> | <b>Title of the project</b>   | <b>Latvian Partner</b>                                   | <b>Principal Investigator, LV</b> | <b>Ukrainian Partner</b>  | <b>Principal Investigator, UA</b> |
|-----------|---|--|-----------------------------------|---|-----------------------------------|
| 1.        | Complete genome sequencing and analysis of bacteriophages isolated in Ukraine as a crucial step towards realizing their therapeutic potential | Latvian Biomedical Research And Study Centre             | Nikita Zrelavs                    | Educational and Scientific Centre «Institute of Biology and Medicine», Taras Shevchenko National University of Kyiv                   | Alla Kharina                      |
| 2.        | Study of indium and tin long-lived nuclear isomers via photonuclear reactions   | Institute of Solid State Physics of University of Latvia | Daina Riekstiņa                   | National Science Center «Kharkiv Institute of Physics and Technology» of National Academy of Sciences of Ukraine                      | Anastasiia Chekhovska             |
| 3.        | Synthesis and investigation of new optical materials for emerging applications  | Institute of Solid State Physics of University of Latvia | Jelena Butikova                   | Lviv Polytechnic National University  | Halyna Klym                       |
| 4.        | Controllable formation of TiO <sub>2</sub> nanolayer on Ti substrate heterostructure by laser radiation for space applications                | Riga Technical University                                | Arturs Medvids                    | V.Ye. Lashkaryov Institute of Semiconductor Physics of National Academy of Sciences of Ukraine  | Iurii Nasieka                     |
| 5.        | Genetic characterization of high-risk human papillomaviruses in Ukraine and Latvia to inform national policy of cervical cancer prevention    | Riga Stradiņš University                                 | Maria Issagouliantis              | R.E. Kavetsky Institute of experimental pathology, oncology and radiobiology (IEPOR) of National Academy of Sciences (NAS) of Ukraine | Elena Kashuba                     |
| 6.        | Assessment of the Impact of radio-contamination on perch and roach genomes based on sensitive genetic markers                                 | University of Latvia                                     | Dalius Butkauskas                 | Institute of Hydrobiology of the National Academy of Sciences of Ukraine  | Dmitri Gudkov                     |



|     |   |   |                  |  |                      |
|-----|---|---|------------------|--|----------------------|
| 7.  | Development of a methodology for health monitoring and diagnosis of local damage in composite structural elements using smart materials   | Riga Technical University                             | Andrejs Kovaļovs | G.S. Pisarenko Institute for Problems of Strength of the National Academy of Sciences of Ukraine | Oleh Derkach         |
| 8.  | War Through the Lens of New Media: Documentation Methods and Challenges in the Post-Digital Era   | Latvian Academy of Culture                            | Maija Spuriņa    | Kharkiv State Academy of Culture   | Yuliia Kovalenko     |
| 9.  | Enhancing Energy Efficiency through the Development of Innovative Technology for Producing Heating Pellets from FireRetardant-Free Textile Waste Integrated into Bio  | Riga Technical University                             | Inga Lašenko     | E.O.Paton Electric Welding Institute of the National Academy of Sciences of Ukraine              | Maksym Iurzhenko     |
| 10. | Development of artificial intelligent systems for early biomarker detection in spine imaging with a focus on evaluating structural changes in osteoporotic vertebral bodies, including potential applications for waraffected individuals | Riga Stradiņš University                              | Ardis Platkājis  | National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute"              | Olena Chumachenko    |
| 11. | Development of technology for phytoremediation of soils contaminated by military operations, using an innovative sorbent from lignite of Ukraine  | The institute of Agricultural Resources and Economics | Līvija Zariņa    | Kharkiv Polytechnic Institute  | Denys Miroshnychenko |

**The reserve research project**

|     |  |                           |             |                       |                    |
|-----|--|---------------------------|-------------|-----------------------|--------------------|
| 12. | Development of an open-source tool to support energy communities with electric vehicles and battery energy storage | Riga Technical University | Anna Mutule | Sumy State University | Illia Diahovchenko |
|-----|--|---------------------------|-------------|-----------------------|--------------------|