



Latvian Institute of Organic Synthesis

AN INDEPENDENT PUBLIC RESEARCH INSTITUTE

Alliance for Life Sciences - from Horizon 2020 Project to Regional Science Policies

Dr. Osvalds Pugovics
Director of the Latvian Institute of Organic Synthesis



Horizon Europe launch event for Latvia
Riga, June 18th, 2021

Latvian Institute of Organic Synthesis

Anno 1957

- ☐ >240 employees
- ☐ Collaboration with industry and universities
- ☐ Birthplace of 18 original drugs and >70 technologies
- ☐ Top ranked research organization in Latvia

>> Assessment by the International Panel of Experts, 2020



2020

13.8 MEUR

Total funding

67%

Public funding

33%

Private funding



Latvian Institute of
Organic Synthesis

Drug discovery and development platform

Discovery of drug candidates

Design and synthesis
Mechanisms of action
Structural biology
Biophysical and biophysical assays
Natural products research

Preclinical development

In vitro, ex vivo, in vivo efficiency
In vitro ADMET
In vivo PK and Tox
Bioanalytics

Manufacturing technologies

Route scouting
Upscale
Kg scale synthesis
Impurity profiling

Focus areas

- ❑ Bacterial, malaria and viral **infections**
- ❑ **Cardiovascular** diseases
- ❑ **CNS** diseases
- ❑ **Cancer**

Alliance for Life Sciences



Alliance4Life aims at closing the divide in European health research and innovation

- ❑ 12 progressive research organizations from 11 EU-13 countries
- ❑ Transformation of institutional culture to increase performance
- ❑ Sharing of institutional practices to improve research management
- ❑ Contribution to science policy both at national and EU levels

Alliance4Life declaration



- ❑ It is crucial for Europe, to be at the forefront of global development in life sciences, Alliance4Life partners commit to delivering their contribution through the improvement of research and innovation to this progress
- ❑ Development of institutional culture and governance is the key to further performance improvement both at the institutional and systemic level
- ❑ Major focal points:
 - ❑ Career path development
 - ❑ Open research infrastructure
 - ❑ Collaborations with other organizations and dedicated projects in this field

Alliance4Life history



- ❑ H2020 project «Life Science Alliance: Closing Research and Innovation Divide in the EU»
- ❑ Grant agreement ID: 779303, 2018-2019
 - ❑ Statement by Alliance4Life on Proposal for Horizon Europe
 - ❑ Performance Assessment Report of Partners
 - ❑ Inventory of Best Practice
 - ❑ WHITE PAPER Recommendations for Closing the Research & Innovation Gap in Europe
- ❑ Vilnius Memorandum of Understanding (Oct 2019)



Alliance4Life today



- ❑ H2020 project «Alliance for Life Sciences: From Strategies to Actions in Central and Eastern Europe» (Grant ID 964997, 2021-2024)
- ❑ Research organizations from Romania and Bulgaria are on board
- ❑ Major objectives
 - CULTURE** – Build a culture that nurtures excellence in science
 - RECOGNITION** – Develop recognition and trust towards CEE research
 - CAREERS** – Nurture scientific talent to globally competitive careers
 - INNOVATION** – Increase the local and regional impact of Health research in CEE
 - POLICY** – Co-create conditions in CEE by engaging at the national and European level



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www.osi.lv



@osi.riga.lv



@osi_lv

Contact us



sinta@osi.lv