

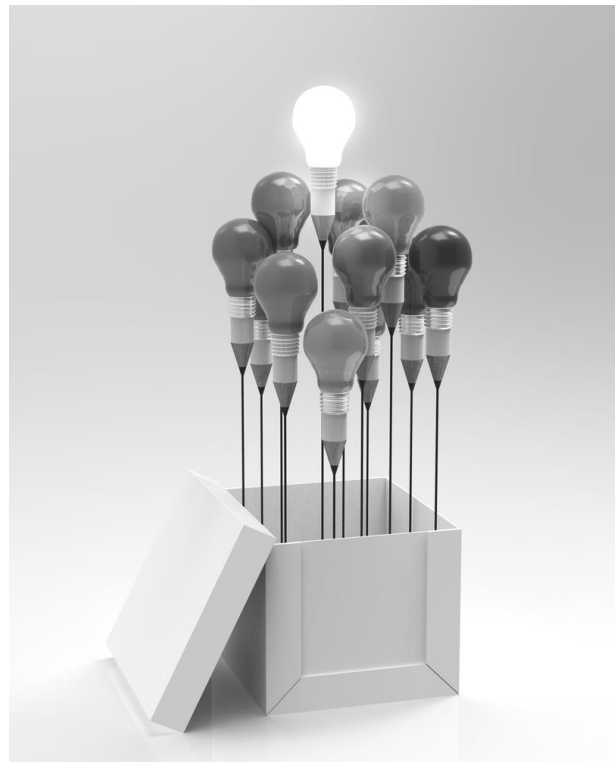
Focus on —
the Future



Our Competence to Your Business

The biggest excellence network of innovation infrastructure, services and competence in the Baltic countries

- A modern, operating open access R&D facilities, equipment, services, and high-level R&D intellectual potential ...
- ...to create and develop R & D activities in engineering and information technology, biomedicine and biotechnology, materials science, physical and chemical technologies, natural resources and agriculture...
- ...easily accessible and located in the three largest cities of Lithuania – Vilnius, Kaunas and Klaipėda and...
- ... concentrated in five integrated science, studies and business valleys - Saulėtekis, Santara, Santaka, Nemunas and marine.



Integrated Science, Study and Business Valleys



- Access to skills and networking – concentration of scientists, researchers, developers and university academia, close collaboration of knowledge-intensive businesses with science and study institutions, opportunity to be co-located with other companies in the same sector (clusters) and region
- Research excellence – open access labs, R&D projects supported by EU/state, application of research results in industry and business
- High-quality infrastructure and premises – infrastructure for research, innovation and new technology development and comfortable conditions to establish new technology-oriented businesses – offices, labs, business incubators.
- Increased international competitiveness

SANTARA S A N T A K A S A U L Ė T E K I S N E M U N A S M A R I N E
V A L L E Y V A L L E Y V A L L E Y V A L L E Y V A L L E Y



Integrated Science, Study and Business Valleys

MARINE VALLEY

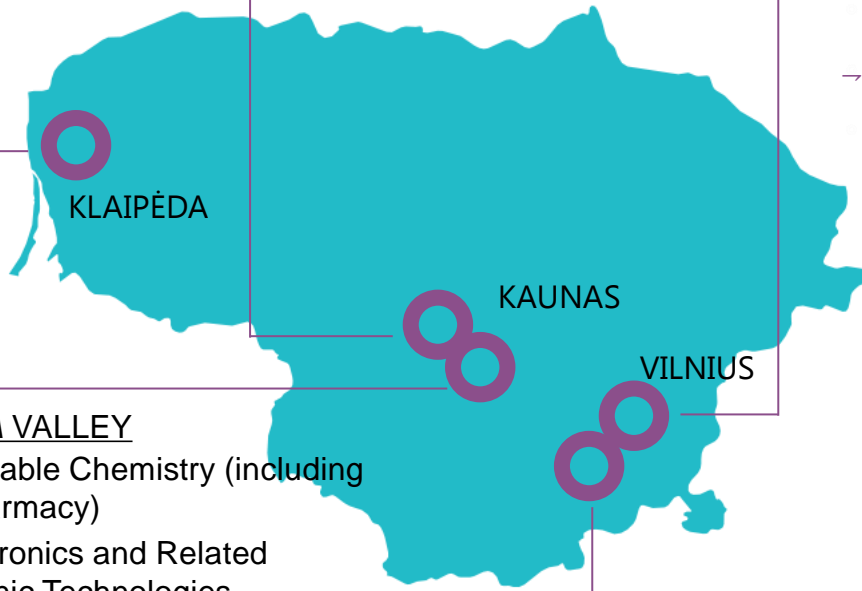
- Marine environment
- Marine technologies

NEMUNAS VALLEY

- Agrobiotechnology, Bioenergy and Forestry
- Food technology, safety and health

SANTARA VALLEY

- Biotechnology;
- Innovative Medical Technologies, Molecular Medicine and Biopharmacy;
- Ecosystems and Sustainable Development;
- Informatics and Communication Technologies



SANTAKA VALLEY

- Sustainable Chemistry (including Bio pharmacy)
- Mechatronics and Related Electronic Technologies
- Future Energy and (including Environmental Engineering)
- Information and Telecommunication Technologies

SAULĖTEKIS VALLEY

- Laser and Light Technologies
- Materials Science and Nanotechnologies
- Semiconductor Physics and Electronics
- Civil Engineering

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Open Access Centres

Open access to R&D



Open access centres – centres of excellence with modern equipment, advanced technologies and world-class scientific potential.

- Do you want to create a new advanced research-based product?
- Do you need experimental research or various measurements?
- Do you want to construct a prototype?
- Is it necessary to improve the existing technology?
- Do you need Professional assistance in research, technology and innovation issues?

Researchers and qualified technology transfer professionals working in open access centers, are ready to help you in realizing your business ideas and becoming an innovative market leader.

Open Access Centres located in 5 Valleys



MARINE VALLEY

- National Open Access Centre of Marine Sciences and Technologies



NEMUNAS VALLEY

- Animal Health and Material of Animal Origin Quality Open Access Centre
- Food Science and Technology Competence Centre
- Open Access Joint Research Centre of Agriculture and Forestry



SANTAKA VALLEY

- Centre for the Latest Pharmaceutical and Health Technologies
- National Open Access Scientific Centre for Future Energy Technologies
- National Open Access R&D Centre within Kaunas University of Technology

SAULĖTEKIS VALLEY

- Centre for Physical Sciences and Technology
- Multi-functional laser facility "NAGLIS"
- Civil Engineering Research Centre



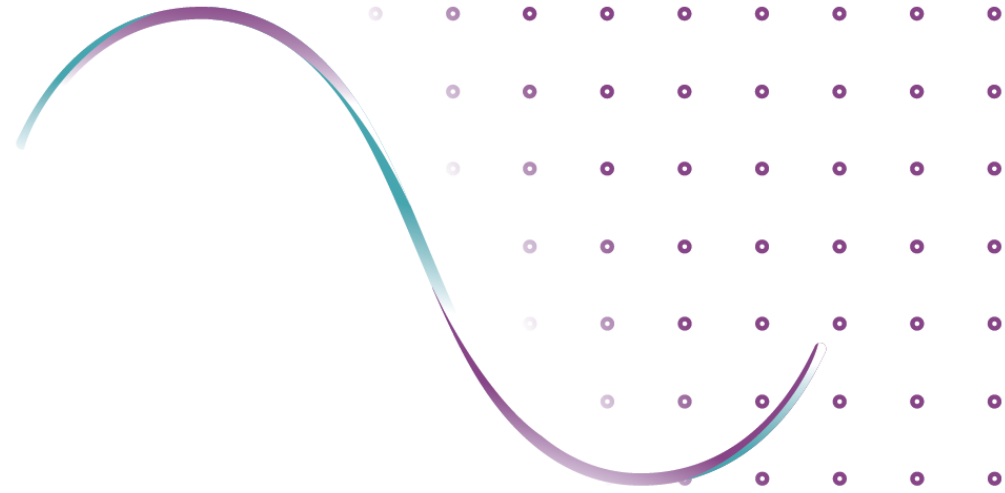
SANTARA VALLEY

- Joint Life Science Centre
- Information Technology Open Access Centre
- Open Access Centre of Nature Research
- Joint Centre of Innovative Medicine

Focus on —
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ANIMAL HEALTH AND
MATERIAL OF ANIMAL
ORIGIN QUALITY OPEN
ACCESS CENTRE

OPEN R & D
LITHUANIA



Animal Health and Material of Animal Origin Quality Open Access Center

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Animal Health and Material of Animal Origin Quality Open Access Center

Our services:

- R&D in the fields of contagious animal disease epidemiology, ethiopathogenesis, treatment and prophylaxis;
- Investigation of common human and animal diseases that threaten animal food contamination;
- Sustainable and safe disease prevention, treatment measures, healthy animal origin raw food material gain and quality monitoring;
- Basic virological, microbiological, parasitological and other tests;
- Production and control of microorganisms strains accumulation and storage for research and quality control purposes.

Animal Health and Material of Animal Origin Quality Open Access Center

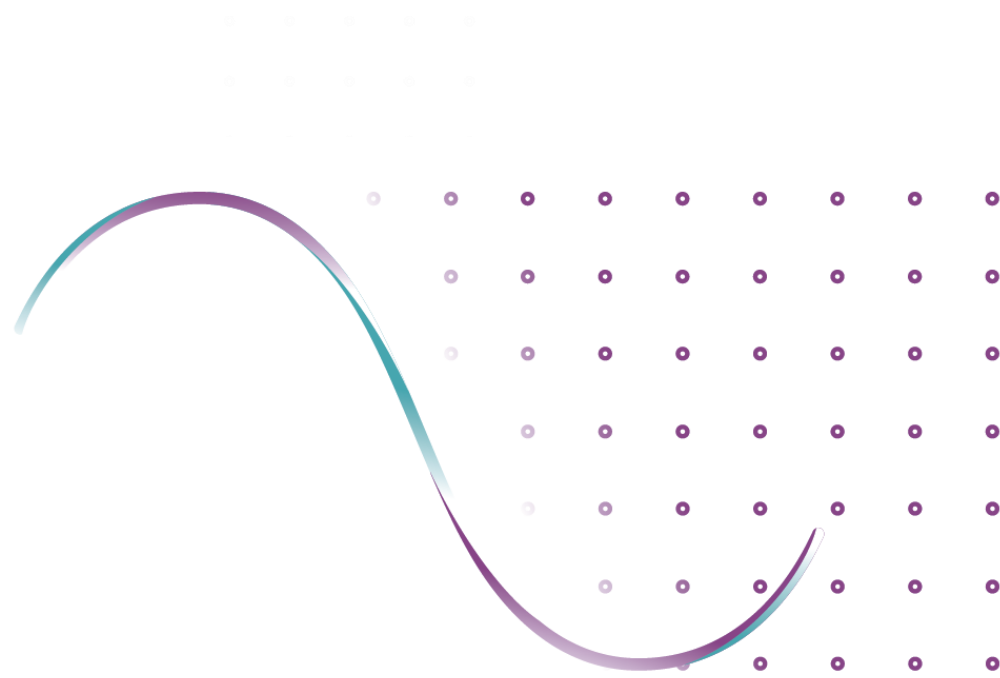
Our laboratories:

- Animal health and material of animal origin quality open access center
- Livestock Meat Characteristics and Quality Evaluation Laboratory
- Virological Laboratory
- Microbiological Research Laboratory
- Parasitology Laboratory
- Histopathology Laboratory
- Raw Animal Origin Foodstuffs Safety and Quality Testing Laboratory
- Experimental and Clinical Pharmacology Laboratory

Animal Health and Material of Animal Origin Quality Open Access Center

Perspectives on the International Cooperation

- International academic partner, developing R&D activities, network spread
- International business companies, association, SME and farmer in draft offering the competitive pricing and high quality services
- Cooperation with international high technology companies through EU funded research networks
- Participation in EU funded projects, science initiatives
- Participation in EU organized public procurements
- Reach the most efficient implementation of the Horizon 2020 program goals



Food Science and Technology Competence Centre

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V A L L E Y

Food Science and Technology Competence Centre



The modern food production laboratory and qualitative research center that brings together the best specialists in the field.

- We provide professional consulting on technical issues of food production and alteration
- We constantly analyze and consult on application of related EU directives
- We help in analysis and development of a conception
- We simulate real conditions of food production with small amounts of raw materials
- We produce and demonstrate prototypes of products
- We offer various trainings on issues of food chemical constitution, food production and quality

Food Science and Technology Competence Centre



We seek to help your business in satisfying needs of global market,
so we:

- Educate high qualification specialists of food industry
- Apply new technologies and improve current ones
- Develop new products
- Implement scientific researches
- Carry out orders of your business

We offer our knowledge in these spheres:

- Food and Health
- Food Quality and Production
- Food Safety
- Food and Consumer
- Efficient Food Production
- Management of Food Chain

Food Science and Technology Competence Centre

A unique product made of production waste?

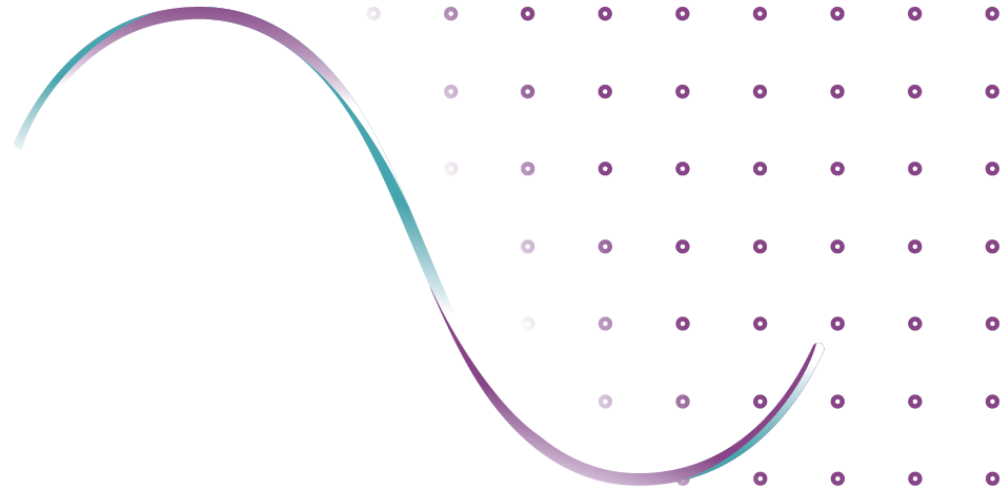
Yes! This is one of the most successfully executed business orders

Client: a company selling coffee

Problem: many waste of coffee grounds

Our solution: a way of producing oil out of coffee grounds

This unique and yet unexplored oil has a color of dark amber, a unique and strong smell and high anti-oxidation features. Test samples have been sent to cosmetic companies for further examining.



Open Access Joint Research Centre of Agriculture and Forestry

N E M U N A S
V A L L E Y

Open Access Joint Research Centre of Agriculture and Forestry



Processes – from separate process steps to full device process sequences.

Characterization – from single measurement to integrated analysis for deep understanding of complex structures.

- Process and characterization services are provided by our skilled experts
- Commissioned research and development projects
- Access to our equipment for your personnel
- Education in process technology, characterization and laboratories infrastructure
- Access to our partners laboratory resources: within the Aleksandras Stulginskis university, Lithuanian Institutes of Horticulture, Agriculture and Forestry

8 laboratories in one place:

- Agro biotechnologies
- Plant Raw Materials Quality
- Environment Monitoring
- Climate Change Impact to Forest Ecosystems
- Timber Use, Quality and Processing Technologies
- Agrobiology
- microbiology
- Lab of Biological Signs

Open Access Joint Research Centre of Agriculture and Forestry



Our services:

- Developing competitive technologies of plants
- Plant selection, genetics and biotechnology
- Creating modern technologies and products for food quality and safety
- Developing agro biotechnologies, assessment of plants genetic potential
- Investigating of climate change and improving of environment condition
- Developing the sustainable technologies for agriculture, forestry and water management, sustainable use of resources
- Developing wood micro-and macro-structure, chemical composition and physical and mechanical properties evaluation of research

Focus on —
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A decorative graphic consisting of a sine wave in shades of purple and teal, overlaid on a grid of small, light purple dots. The wave starts at the top left, curves down to the right, and then curves back up to the right.

Let's innovate together

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