

NanoAlb/NANOBALKAN Ignite Projects 2026–2028: Kick-off

Workshop

24th of September 2026, Tirana, Albania

Objectives

This workshop aims to promote the new winning projects within the call "4th call NanoAlb/NANOBALKAN Ignite Projects 2026-2028". This is a workshop that will demonstrate the continuation of the Academy of Sciences' support for scientific research in the field of nanotechnology that the groups carry out. These projects promote cooperation between NanoAlb/NANOBALKAN groups as well as with other Albanian or international institutions with the aim of facilitating the exchange of knowledge between scientists working in different fields and exploring new synergies in the field of nanoscience, nanotechnology related applications important in health, materials science, environment, food safety, construction and agricultural applications.

Five new projects started this year, will be presented in this workshop. The objective is also to anticipate/plan future joint proposals between institutions to apply for funding from other funds, such as EU calls and other international calls related to NanoAlb/NANOBALKAN expertise and interest.

The workshop will welcome a special guest prof. Aurel Hymeti from Applied Nanotechnology, Saxion UAS, Enschede, Netherlands. The session will provide the NanoAlb/NANOBALKAN community with an opportunity to learn more about Prof. Hymeti's expertise in optical sensing technologies and explore potential opportunities for future collaboration with the research groups.

The workshop will also include an informative session and discussion on the preparations for the International Conference nanoBalkan 2026, focusing on strengthening coordination and ensuring the successful organization of this important scientific event through the active contribution of the nanotech research community.

Event will take place in hybrid form at Academy of Science of Albania and online on Zoom platform at the link:

<https://us02web.zoom.us/j/88694531905?pwd=SkW7bB1NjT3gaavRcCtXzzpwDIdq55.1>

Meeting ID: 886 9453 1905

Passcode: 400648

Time: September 24, 2026 09:30

Program

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Workshop

24th of September 2026, Tirana, Albania

09.30 – 10.00

Opening remarks

Acad. Arben Merkoçi

*Director of NanoAlb/NANOBALKAN, Academy of Science of Albania,
ICREA Research Professor and Group Leader ICN2*

Representatives from ASH

Moderator – Prof. Dr. Kledi Xhaxhiu

10.00 – 10.20

Functional Nanocomposite Polyaniline Films with Silica Nanoparticle-Formed Cavities for Targeted Nano-scale Sensing and Environmental Remediation

Dr. Albana Veseli – Project Coordinator

*Department of Chemistry, Faculty of Natural Sciences and Mathematics, Prishtina,
Kosova*

10.20 - 10.40

Characterization of natural nanomaterials for nanotechnology applications: nano-architecture in minerals, industrial minerals and rocks

Prof. Dr. Arianit Reka – Project Coordinator

University of Tetova, North Macedonia

10.40 – 11.00

Arsenic Nanoparticles – Silent Toxicity, Risk, and Health Implications

As. Prof. Ledia Vasjari– Project Coordinator

Department of Biology, Faculty of Natural Sciences, University of Tirana

11.00 – 11.20

Microfluidics-Assisted Development of Nanocarrier Systems for Enhanced Oral Delivery of Therapeutic Peptides and Proteins

Prof. Dr. Nuncio Denora– Project Coordinator

Catholic University “Our Lady of Good Counsel”, Tirana

11.20 – 11.40

Nanopore Characterization and Outgassing Modeling in 3D-Printed Polymeric Materials

Prof Dr. Sefer Avdiaj– Project Coordinator

Laboratory for Vacuum Physics and Metrology, University of Pristina, Kosovo

11.40 – 12.00

Discussion

12.00 – 12.45

Optical sensors and application

Prof. Dr. Aurel Hymeti – invited guest, Head of Molecular Sensing,

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Applied Nanotechnology, Saxion UAS, Enschede, Netherlands

12.45 – 13.15	Informative session and discussion on the preparations for the International Conference nanoBalkan 2026 and closure the workshop
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