

INTEGRATED NANODEVICES

Fact Sheet

Project Information

NANODEV

Funded under
FP7-PEOPLE

Grant agreement ID: 318524


Overall budget
€ 380 000

Status
Closed project

EU contribution
€ 380 000

Start date
1 January 2013

End date
31 December 2015

Coordinated by
**MIDDLE EAST TECHNICAL
UNIVERSITY**
 Turkey

Objective

The primary objective of this proposal is to carry the results, knowledge, and international collaboration gained throughout our first project (NANOBIOSOENS) that was conducted as a part of IRSES call in the last 3 years to the next level, which will focus on nanodevices and advanced applications. The proposed research project is focused on two different applications, main one being on biosensors and bioelectronics and the other one on potential solar energy science. The results obtained during NANOBIOSOENS were very promising opening interesting possibilities to more detailed investigations, which produced around 25 publications with around 50 conference presentations. At the end of the NANOBIOSOENS project, our success was published in the PROJECTS magazine as “Biosensors Received the Nanotreatment”. The obtained results along with the synergy formed among these 6 international partners motivated us to carry our research to a more advanced level. With this motivation, the objective of the currently proposed project is to test the synthesized and integrated nanomaterials in two of the most appealing applications that are “biosystems and solar energy” This had been the motivation for

applications that are ecosystems and solar energy. This had been the motivation for this group to continue the researcher and knowledge exchanges for the above mentioned higher level of scientific objective that is hoped to be achieved throughout the proposed NANODEV project. In terms of participants, there will be two main distinctions of NANODEV with respect to the NANOBIOSENS project. The first one is our new partner who joined us from CHINA and is an expert in the field of nanomaterial synthesis, design of new bioactive compounds, and biosensor development. The second distinction is the newly built research center at METU, Center for Solar Energy Research and Applications. With these two additional assets, it will be possible in NANODEV to test the jointly made nanomaterial integrated compounds in two different fields of applications.

Field of science

/engineering and technology/environmental engineering/energy and fuels/renewable energy/solar energy

/engineering and technology/nanotechnology/nano-materials

/engineering and technology/environmental biotechnology/biosensing

Programme(s)

Topic(s)

Call for proposal

FP7-PEOPLE-2012-IRSES

Funding Scheme

MC-IRSES - International research staff exchange scheme (IRSES)

Coordinator



MIDDLE EAST TECHNICAL UNIVERSITY

Address

Dumlupinar Bulvari 1

06800 Ankara

 Turkey

[Website](#) 

Administrative Contact

Burcu Akata Kuro (Dr.)

Activity type

Higher or Secondary

Education Establishments

[Contact the organisation](#) 

EU contribution

€ 173 600

Participants (1)



UNIVERSITE LYON 1 CLAUDE BERNARD

 France

EU contribution

€ 206 400

Address

**Boulevard Du 11 Novembre
1918 Num43
69622 Villeurbanne Cedex**

[Website](#) 

Activity type

**Higher or Secondary
Education Establishments**

[Contact the organisation](#) 

Administrative Contact

Javier Olaiz (Dr.)

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