



OPTOBACTERIA

Project reference: 286998

Funded under: FP7-SME

Multianalyte automatic system for the detection of drug resistant bacteria

From 2012-11-01 **to** 2014-10-31, closed project

Project details

Total cost: EUR 1 626 952	Topic(s): SME-2011-1 - Research for SMEs
EU contribution: EUR 1 250 700	Call for proposal: FP7-SME-2011
Coordinated in: Italy	Funding scheme: BSG-SME - Research for SMEs

Objective

"Infectious disease are responsible of high human health burden and cost. Time to diagnosis release and quality of the microorganism detection represent an area of interest for optical fiber based device application. OPTObacteria propose an highly expert consortium in which 4 SME and 4 research performers from 3 European countries would synergize their efforts to provide a unique Automatic Laboratory Detector (ALD) to deliver a drug resistance report in a 4 or 4-8 hours timeframe. The time is depending on the experiment required, it avoid bacterial growth time, typical of the antibiogram typical report and provide an detection up to low ng concentration or even low. With respect to other optical-based device (like SPR, surface plamon resosnance) many limitations are overcome."

Related information

Result In Brief	<ul style="list-style-type: none">• New device detects antibiotic resistance
Report Summaries	<ul style="list-style-type: none">• Final Report Summary - OPTOBACTERIA (Multianalyte automatic system for the detection of drug resistant bacteria.)• Periodic Report Summary 1 - OPTOBACTERIA (Multianalyte automatic system for the detection of drug resistant bacteria.)• Periodic Report Summary 1 - OPTOBACTERIA (Multianalyte automatic system for the detection of drug resistant bacteria.)• Periodic Report Summary 2 - OPTOBACTERIA (Multianalyte automatic system for the detection of drug resistant bacteria.)

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Subjects

[Industrial Manufacture](#)

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