Validation of a Lung Cancer Plasma Reflex Test Using Epigenetic Biomarker for Cancer Detection

Fact Sheet

Project information

proLungPlasma

Grant agreement ID: 672680

Project website

Start date 1 July 2015

End date 31 December 2017

Funded under: H2020-EU.3.1.3.

Overall budget: € 2 772 527,50

EU contribution € 2 772 527,50

Coordinated by: EPIGENOMICS AG

Germany

Objective

The objective of “proLungPlasma” is the clinical validation of a lung cancer test, which detects DNA methylation of the specific biomarker mSHOX2. Methylation of DNA is an important epigenetic process involved in fundamental biological processes as development and cell differentiation. Aberrant DNA methylation plays a major role in cancer development. Epigenomics is very successfully engaged in epigenetic research since 1998 resulting in an outstanding proprietary platform for epigenetic biomarker discovery for cancer. Epigenomics is now market leader in epigenetic biomarker test kits detecting most frequently occurring forms of cancer as colorectal and lung cancer from different sample materials. Lung Cancer is the most deadly of all cancer diseases. Unfortunately, lung cancer screening by Low Dose Computer Tomography (LDCT) is burdened by unacceptably high false positive rates. The newly developed Epi proLung Plasma Reflex Assay is urgently required as a tool for reducing false positive rates. Therefore, the Epi proLung Plasma Reflex Assay is a highly anticipated pre-requisite for successful implementation of lung cancer screening in Europe. This business innovation project will validate the Epi proLung Plasma Reflex Assay for the diagnosis of lung cancer in plasma under the upcoming new IVD regulation. The validation process to be performed in this business innovation project will be used as a blueprint for the standardized validation of all further epigenetic biomarker blood tests. Epigenomics’ established test platform, its product development and regulatory expertise, and the standardized validation process are expected to kick-off further strong growth on major global MDx markets.
Field of Science
/social sciences/economics and business
/social sciences/economics and business/business and management/commerce
/medical and health sciences/clinical medicine/oncology/cancer

Programme(s)
H2020-EU.3.1.3. - Treating and managing disease

Topic(s)
PHC-12-2014 - Clinical research for the validation of biomarkers and/or diagnostic medical devices

Call for proposal
H2020-SMEINST-2-2014
See other projects for this call

Funding Scheme
SME-2 - SME instrument phase 2

Coordinator

EPIGENOMICS AG
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Kleine Praesidentenstr 1
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Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)

EU Contribution
€ 2 772 527,50

Website
Contact the organisation