A spin-out company of National Center for Scientific Research “Demokritos”

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Co-founder
Nanoplasmas team

Scientific Advisory Board
Company Timeline

2013: 2nd Award “Ellada kainotomeis”

2014: SEV incubator

2015: BETA product

2016: Company launch

2017: First research contract

2018: Prototype development

2019: VC investment
Mission-Vision

Faster and more efficient diagnostics
BACTERIA IN WATER

The Problem

Legionnaires’ disease, a type of severe pneumonia, is caused by breathing in small droplets of water that contain Legionella.

Common Sources of Infection
- Outbreaks of Legionnaires’ disease are often associated with large or complex water systems, like those found in hospitals, hotels, and cruise ships.
- The most likely sources of infection include:
  - Water used for showering (hot tubs)
  - Cooling towers (parts of large air conditioning systems)
  - Decorative fountains
  - Hot tubs

Legionnaires’ Disease is Serious, but Can Be Treated with Antibiotics
- Legionnaires’ disease is treated with antibiotics (drugs that kill bacteria in the body). Most people who get sick need care in a hospital but make a full recovery. However, about 1 out of 10 people who get legionnaires’ disease will die from the infection.

Certain People Are at Higher Risk for Legionnaires’ Disease
- Most healthy people do not get Legionnaires’ disease after being exposed to Legionella. Being 50 years or older or having certain risk factors can increase your chances of getting sick. These risk factors include:
  - Being a current or former smoker
  - Having chronic lung disease, such as emphysema or chronic obstructive pulmonary disease (COPD)
  - Having a weakened immune system from diseases like cancer, diabetes, or kidney failure
  - Taking medications that weaken your immune system

Legionnaires’ Disease Can Cause Pneumonia Symptoms
- Signs and symptoms of legionnaires’ disease can include:
  - Cough
  - Muscle aches
  - Fever
  - Shortness of breath
  - Headache

Doctors use chest x-rays or physical exams to check for pneumonia. Your doctor may also order tests on a sample of sputum and sputum (a liquid) to see if your lung infection is caused by Legionella.

The opportunity:
New legislations by EU

Fatality 15-20%
NANOTECHNOLOGY & LAB ON CHIP

10-12 days

Negative

1-2 Hours

Positive

Patented technology
Target market

Water analysis

3.5 billion (2019)
CAGR of 5.0% EU (2014-2019)

WATER SUPPLIERS
HOTELS
SPAS, POOLS
PUBLIC AGENCIES
CRUISE SHIPS

B2B LICENSING

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Thank you

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