Chair/bedside Diagnosis of Oral and Respiratory Tract Infections, and Identification of Antibiotic Resistances for Personalised Monitoring and Treatment

Global healthcare systems are struggling with the enormous burden of morbidity/mortality associated with infectious diseases, as well as the incessant rise of antimicrobial resistance. To adequately address this problem, there is an urgent need for rapid and accurate point-of-care infectious disease diagnostics.

With funding from the European Union’s Horizon 2020 Programme and the collaboration of 9 organisations from 7 countries, the DIAGONAS project utilises research and innovation technologies from the lab to the market in order to address major health concerns: oral and respiratory infections, with associated antibiotic resistance.

The DIAGONAS project will develop a point-of-care microbiological diagnostic platform for use in general practitioner offices, dentist practices and hospital emergency rooms.

**INFECTION DISEASES AND ANTIBIOTIC RESISTANCE ARE GLOBAL ISSUES**

**DIAGNOSTIC WORKFLOW**

**DIAGONAS MILESTONES 2015-2019**

- **June 2015:** DIAGORAS project starts
- **Summer 2016:** Ethical approvals completed
- **Early 2017:** Biological assays and discs ready as components
- **End 2017:** System integration of components completed into first prototype
- **Mid 2018:** Analytical validation in laboratory conditions completed & start of clinical validation
- **June 2019:** End of the project with clinically validated and quality control-approved platform

**9 Institutions (Including SMEs, universities, research and medical centres)**

- Hahn-Schickard (Coordinating Coordinator)
- ALT Austrian Institute of Technology GmbH
- University of Zurich
- Eranus University Medical Centre Rotterdam
- ASKION GmbH
- MagnaMedics Diagnostics B.V.
- BioVendor Laboratory Medicine
- Sparks & Co
- ClinicaGeno Ltd

**4 YEARS (2015-2019)**

5.6 million €

(4.7 M€ from EU with an additional 0.9 M€ contribution from Switzerland)

Want to know more?

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[www.diagoras.eu](http://www.diagoras.eu)