

Press Release

SYNLAB International GmbH

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Milestone Reached in Groundbreaking Project for Early Detection of Parkinson's Disease

- First patient enrolled in the clinical trial as part of the EU-funded VaMPiRE project, aiming to develop a non-invasive diagnostic test for early Parkinson's disease detection.
- SYNLAB's Genetics Department plays a crucial role in analysing genomic biomarkers, showcasing the company's expertise in medical diagnostics.
- €8 million EU funding highlights the trust and confidence in the consortium's capabilities to advance Parkinson's disease diagnostics.

SYNLAB, the leader in medical diagnostic services and specialty testing in Europe, announces a significant milestone with the enrolment of the first patient in the clinical trial as part of the VaMPiRE project (Validation of α -synuclein Modifications in Parkinson's Disorder Evolution), funded by the European Union under the Horizon Europe programme. This project, a collaborative effort involving 13 European partners and 1 associate from Australia, aims to develop a novel *in vitro* diagnostic test for the early detection and monitoring of Parkinson's disease (PD), a progressive neurodegenerative disorder affecting millions worldwide.

Parkinson's disease presents a complex challenge due to its progressive nature and the lack of reliable biomarkers for early diagnosis. The VaMPiRE project addresses this challenge by focusing on the analysis of α -synuclein isoforms in neuronal-derived extracellular vesicles from a large cohort of PD patients and healthy individuals. This innovative approach aims to identify new biomarkers that can detect PD in its earliest stages, improving early screening, disease management, and patient outcomes.

The European Union's substantial funding of €8m for the VaMPiRE project underscores the trust and confidence placed in the consortium's capabilities. This funding supports the collaborative efforts of SYNLAB and its international partners in advancing PD diagnostics and improving patient care.

SYNLAB's Genetics Department, particularly the Central Laboratory in Castenedolo (BS), Italy, plays a pivotal role in the genetic analyses of this project. By leveraging its advanced genomics capabilities, SYNLAB contributes significantly to the project's goal of developing a reliable and accessible diagnostic test for early PD detection.

The VaMPiRE project has reached a significant milestone with the enrolment of the first patient in the clinical trial (ClinicalTrials.gov Identifier: [NCT06941012](https://clinicaltrials.gov/ct2/show/study/NCT06941012)). This marks the beginning of a comprehensive study involving 600 PD patients and 600 healthy individuals. The study will utilise advanced AI models to generate data analysis algorithms, ensuring the reliability and feasibility of the diagnostic test to be developed.

Mathieu Floreani, CEO of SYNLAB Group, commented, “Early detection will be crucial in managing Parkinson’s disease effectively. By identifying the disease in its initial stages, we will be able to significantly improve patient outcomes and develop more targeted treatments. SYNLAB is committed to advancing diagnostics and leveraging our expertise to make a meaningful impact on global health.”

Dr Iris Faull, Chief Medical Officer of SYNLAB Group, added, “The substantial EU funding for the VaMPiRE project highlights the trust placed in our consortium’s capabilities, as well as the social and healthcare impact PD has. Our participation underscores SYNLAB’s dedication to thought leadership, research, and innovation. We are proud to contribute with our excellence in genomics and collaborate with renowned institutions to drive forward the development of cutting-edge diagnostic tools that will benefit patients and healthcare systems worldwide.”

Dr Mariarosaria Incoronato, scientific leader of the study at SYNLAB Italy, stated, “We are excited to be part of the VaMPiRE project and contribute to the development of innovative diagnostic tools for Parkinson’s disease. Our team is dedicated to advancing medical research and improving patient care through cutting-edge genomics capabilities.”

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For more information:

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About SYNLAB

- SYNLAB Group is the leader in medical diagnostic services and specialty testing in Europe. The Group offers a full range of innovative and reliable medical diagnostics to patients, practising doctors, hospitals and clinics, governments, and corporates.
- Providing the leading level of service within the industry, SYNLAB is the partner of choice for routine and specialty diagnostics in human medicine. The Group continuously innovates medical diagnostic services for the benefit of patients and customers.
- SYNLAB operates in more than 20 countries across four continents and holds leading positions in most markets, regularly reinforcing the strength of its network through a proven acquisition strategy. More than 24,000 employees, including over 2,000 medical experts, contribute every day to the Group’s worldwide success.



- SYNLAB performed around 600 million laboratory tests and achieved revenues of €2.62 billion in 2024.
- More information can be found on www.synlab.com

About the VaMPIRE project

- More information on the project, the consortium, and patient enrolment in the clinical trial can be found at: <https://www.vampire-eu.com/>
- More information on the clinical trial can be found at: <https://clinicaltrials.gov/study/NCT06941012>