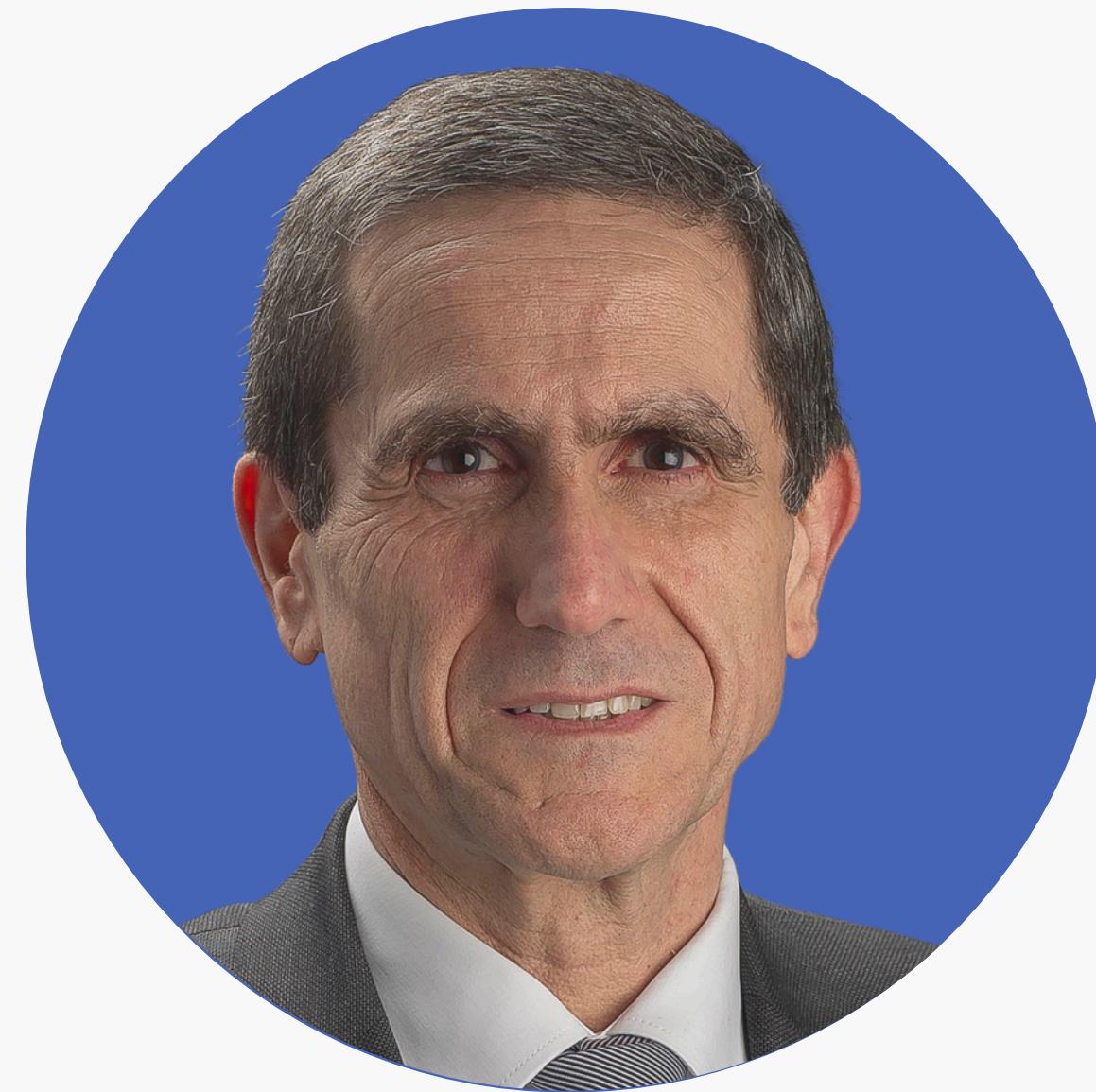


# SETTING THE SCENE:



## PHILIPPE AMOUYEL

French Foundation of Scientific Co-operation in  
Alzheimer's Disease, France

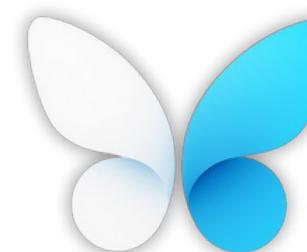


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# VISION EUROPE 2030

**Bridging the Innovation Gap: Precision  
Neurology for the Next Decade**



**September 2-3, 2025 | Club University Foundation**



# Prof. Philippe Amouyel

## Public Health Department Lille University Hospital Fondation Alzheimer



FONDATION  
**ALZHEIMER**



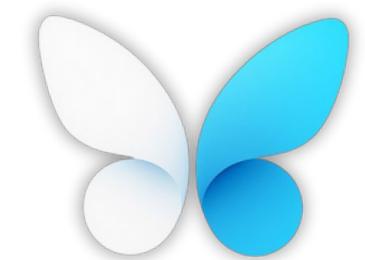
Université  
de Lille



Hôpitalier Régional  
Universitaire de Lille



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# Context

*Neuro-oncology   Neurovascular diseases   Epilepsy   Neurocognitive diseases  
Neurogenetic diseases   TBI   Parkinson   Multiple sclerosis*

## Neurological Diseases

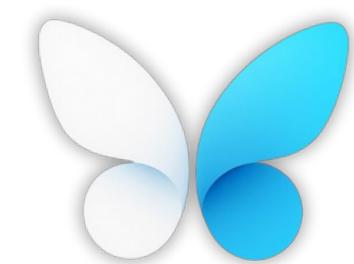


Research -> Translation-> Clinic

*Clinical symptoms   Genomics   Proteomics   Transcriptomics   Electronic Medical  
Neuropsychological symptoms   Metagenomics   Metabolomics   Records*



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# SWOT ANALYSIS

## Strengths



## Weaknesses

**Fragmentation of 27 countries**

**Lack of scientific strategic investments**

**UK outside of EU**

**Weak AI implementation among european physicians and scientists**

## Opportunities



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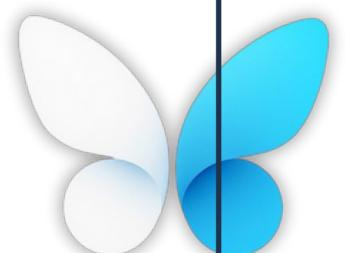
## Threats

**Economical crisis**

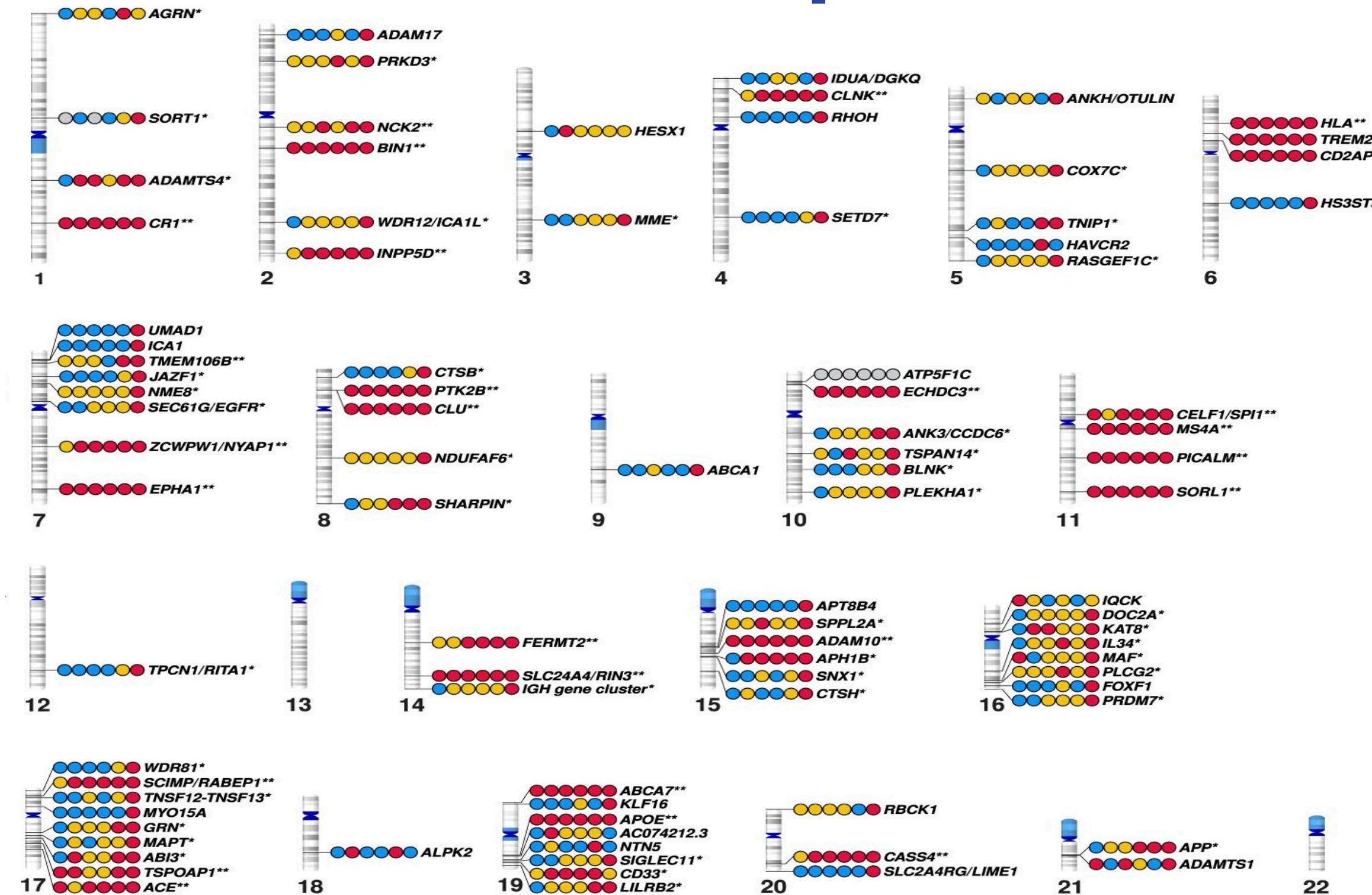
**Tariffs**

**Unstability**

**Dependence on non european countries for hightech**



# Genomics of AD – European cohorts



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Bellenguez, C. et al. New insights into the genetic etiology of Alzheimer's disease and related dementias. *Nat Genet* 54, 412–436 (2022) and  
Mega-meta: Consensus meta-analysis of genome-wide association studies for Alzheimer's disease and related dementia. *Nat Genet* (under revision)



# JPND 2011–2025 publications

**2,657 publications** from WOS corecollection

1019 in Neurosciences

781 in Clinical Neurology

265 in Biochemistry and Molecular Biology

213 in Cell Biology

202 in Multidisciplinary Sciences

197 in Psychiatry

187 in Geriatrics Gerontology

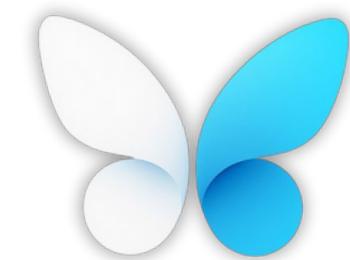
91 in Genetics Heredity

87 in Medicine Research Experimentation

61 in Chemistry Multidisciplinary

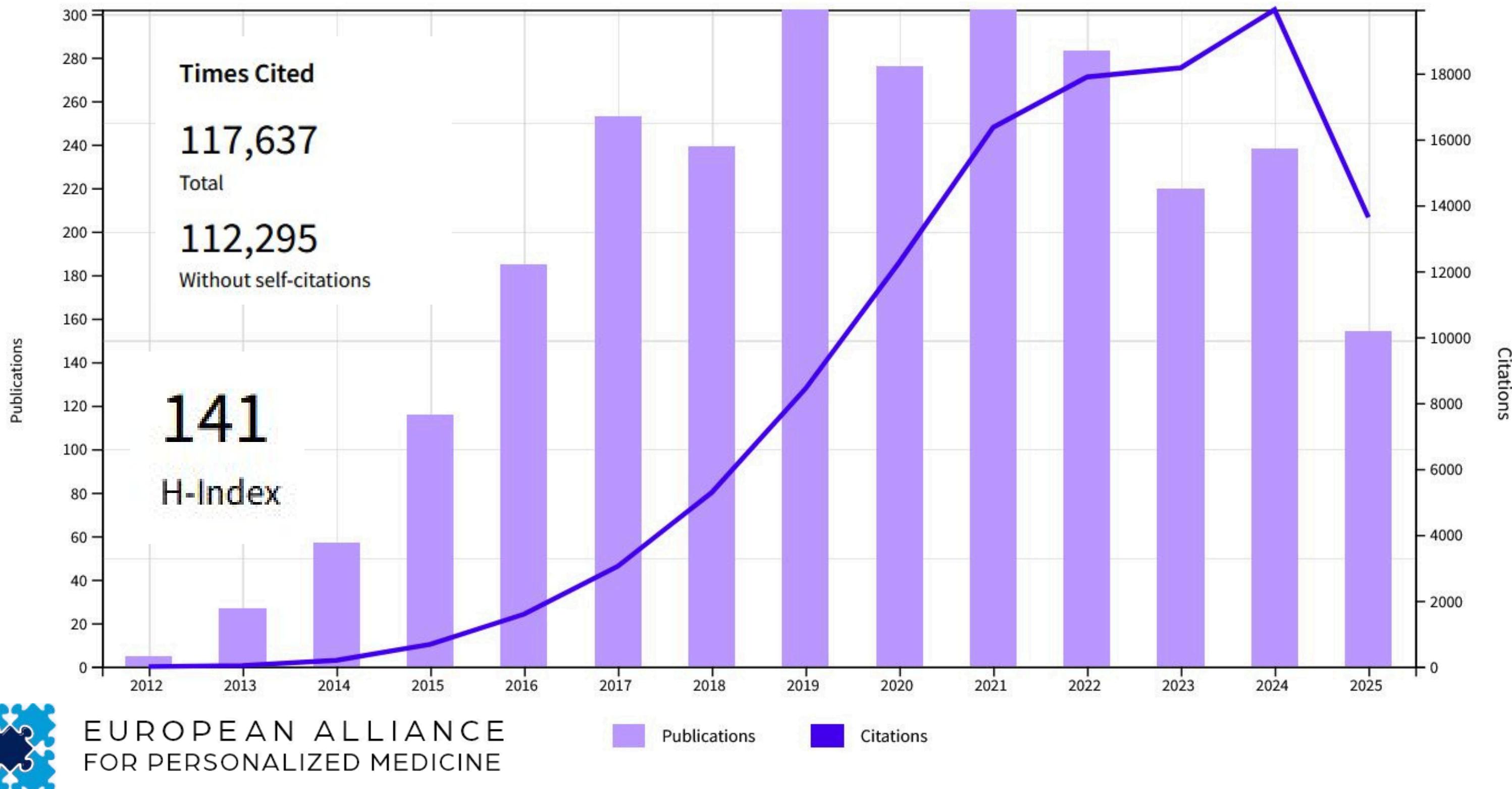


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# JPND 2011–2025 citations

Times Cited and Publications Over Time



# JPND 2019–2023 innovation

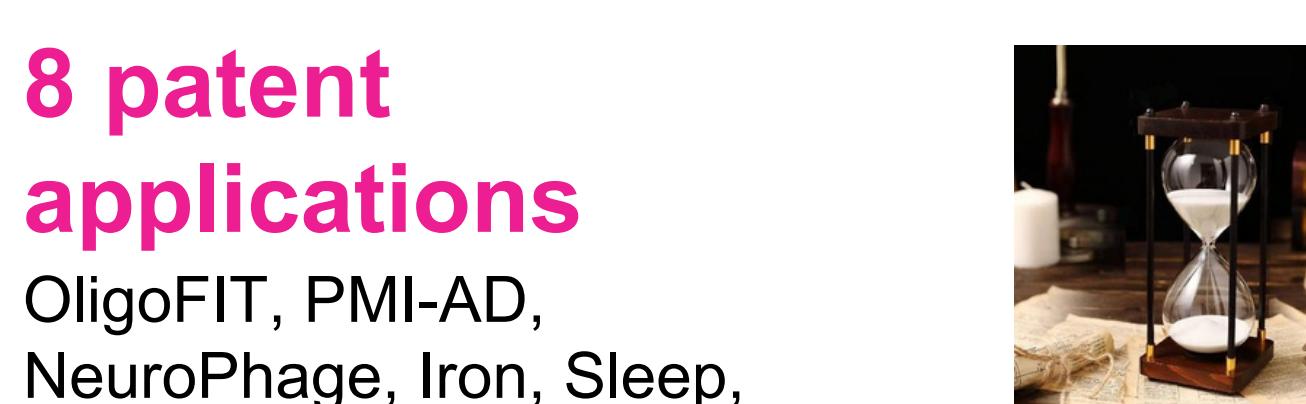
## 8 patent applications

OligoFIT, PMI-AD, NeuroPhage, Iron, Sleep, NIPARK, DynaSti, ORGThERAPY and DIPPA-FTD



## 5 licenses granted on IP rights

PDWALK, PMI-AD, IronSleep, EU-FINGERS and SORLA-FIX



## 9 patents pending examination

PDWALK, OligoFIT, PMI-AD, DEBBIE, NeuroPhage, Iron Sleep, DynaSti, PREADAPT and ORGThERAPY

## 2 licensed in or acquired a patent owned by another Organization

IronSleep and NEURIPIDES



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Pre Diagnostics

 Bioventix

Alzheimer  
Society  
CANADA

 AC Immune

ONWARD

 AstraZeneca

# Key Issues to be tackled (*not only for PrecisionNeurology*)

- Reintegrate the UK into the European medical and scientific community.
- Continue reducing fragmentation among European countries.
- Invest in a European sovereign cloud for medical data. Invest in European AI companies developing tools to analyze this data.
- Increase the budget for the upcoming European Brain Health Partnership (starting January 1, 2026).



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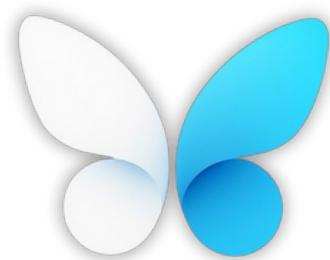
# One Actionable Policy

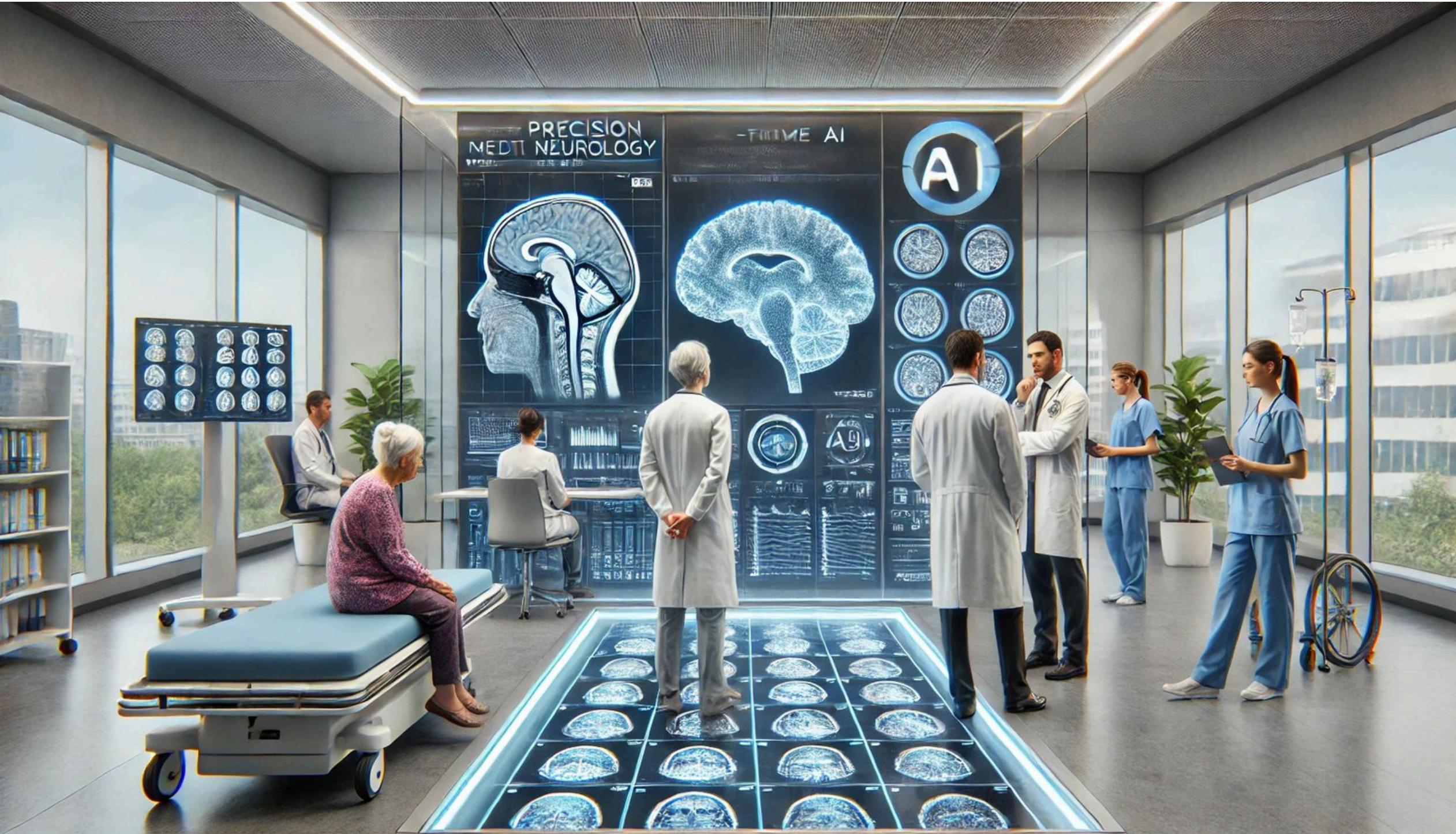
## Recommendation

Invest in a European  
sovereign cloud for  
medical data



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*« It is far more important to know what person has the disease than what disease the person has » (attributed to Hippocrates)*



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