

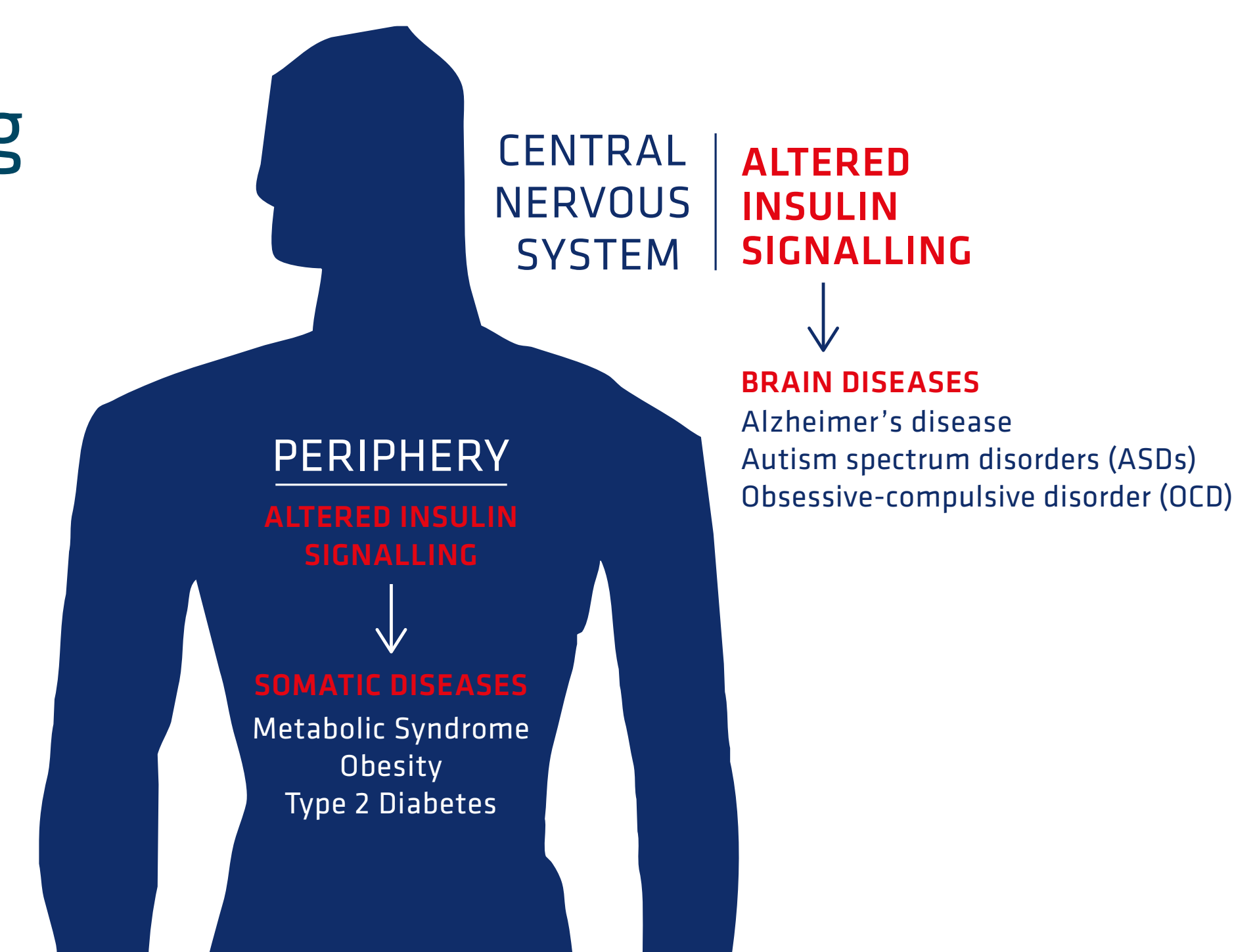
# ECNP Supports European Research Projects



## Prevention and Remediation of Insulin Multimorbidity in Europe

*Exploring mental and somatic insulin multimorbidity across the lifespan*

**THE CHALLENGE** Dysregulation of insulin signalling has been implicated in mental and somatic multimorbidities across the lifespan, in particular in type 2 diabetes, metabolic syndrome and obesity and, more recently, in brain disorders, such as Alzheimer's disease, ASDs and OCD. Insulinopathies present a major health, societal, and economic burden and are mostly chronic with limited or no curative treatments.



**THE GOAL** PRIME starts from the hypothesis that comorbidity of mental and somatic illnesses is a result of dysregulated central and peripheral insulin signalling. The project will aim to investigate the molecular mechanisms underlying the mental and somatic, insulin-related multimorbidities and to outline new directions for research and clinical care.



The PRIME consortium at the General Assembly Meeting in Frankfurt, 2020

**THE PLAN** PRIME will bring together a multi-disciplinary team to: (1) extend our understanding of insulin-related multimorbidities across the lifespan, (2) understand the causal mechanisms linking somatic and mental insulin-related illnesses, (3) develop tools for early diagnosis, improved clinical care, and prevention of insulin-related lifespan multimorbidities.



**THE IMPACT** PRIME will bring new knowledge on insulin multimorbidities and will have impact on society by repurposing medication and lifestyle interventions, identifying and validating novel drug targets, developing and testing candidate biomarkers, and improving existing medical guidelines and policy.

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Term: January 2020 – December 2024  
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