**Summary of ongoing and planned collaborations focusing on diseases of the aging brain**

Note that these researchers are, by no means, limited to the collaborative partners listed below and are consequently open to further extend existing and planned collaborative networks

***Short- and long-term effects elicited by metabolic insults occurring at birth: towards a long-term plasticity priming development and mental and neurological disorders occurring late in life***

**PI: Mario Herrera Marschitz**

**Swedish partner: Tomas Hökfelt and Michel Goiny (KI)**

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***Defective calcium/redox signaling and anomalous electrical brain activity in Alzheimer´s disease***

**PI: Andrea Cristina Paula Lima**

**Swedish partner: TBD**

***Peripheral infections and inflammatory response: potential association with Alzheimer’s disease.***

**PI: Andrea Cristina Paula Lima**

**Swedish partner: TBD**

*Contact*: [acpaulalima@gmail.com](mailto:acpaulalima@gmail.com)

***Cognitive decline in learning and memory of the aging brain***

***PI: Pablo Fuentealba (Universidad Católica)***

***Swedish partner: TBD***

***Contact:*** [pjfuentealba@gmail.com](mailto:pjfuentealba@gmail.com)

***Astrocyte reactivity induced by bacterial outer membrane vesicles***

***PI: Lisette Layton***

***Swedish partner: TBD***

***Contact:*** [lisetteleyton@gmail.com](mailto:lisetteleyton@gmail.com)

***Improved neuromodulatory approaches in the treatment of Parkinson’s disease***

**PI: Per Petersson (Lund and Umeå University)**

**Chilean partner: Romulo Fuentes (U. Chile)**

***The neuropathology of working memory dysfunctions***

**PI: Per Petersson (Lund and Umeå University)**

**Chilean partner: Sebastian Barrientos, PhD (currently working in Lund)**

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***Closed loop-control of Spinal cord stimulation for the treatment of Parkinson’s disease***

**PI: Romulo Fuentes**

**Swedish partner: Per Petersson (LU/UU)**

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