**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)**

*Contact:* mh-marschitz@med.uchile.cl

***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

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

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

***Swedish partner: TBD***

***Contact:*** pjfuentealba@gmail.com

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

***PI: Lisette Layton***

***Swedish partner: TBD***

***Contact:*** 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)**

*Contact:* *Per.Petersson@med.lu.se*

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

**PI: Romulo Fuentes**

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

*Contact:* *romuloaff@gmail.com*

Contact information to researchers attending the Santiago December meeting

Per Petersson per.petersson@med.lu.se

José Valdés jvaldegu@gmail.com

Pablo Fuentealba pjfuentealba@gmail.com

Lisette Leyton lisetteleyton@gmail.com

Mario Herrera-Marschitz mh-marschitz@med.uchile.cl

Romulo Fuentes romuloaff@gmail.com