"PHOENIX" TRANSLATIONAL RESEARCH PROGRAM

"Exploring the Systems Biology and Systems Neurophysiology of Alzheimer's Disease"

ALZHEIMER'S ASSOCIATION INTERNATIONAL CONFERENCE (AAIC)
Los Angeles, U. S., July 14-18, 2019

Abstracts / Posters / Presentations

1.   Andrea Vergallo, Marion Houot, Enrica Cavedo, Eugeen Vanmechelen, Ann De Vos, Marie-Claude Potier, Bruno Dubois, Simone Lista, and Harald Hampel. Sexual Dimorphism in Plasma Beta-Secretase-1 Concentrations in Cognitively Normal Individuals at Risk for AD: Cross-Sectional and Longitudinal Studies.

2.   Andrea Vergallo, Pablo Lemercier, Eugeen Vanmechelen, Ann De Vos, Marie-Odile Habert, Marie-Claude Potier, Bruno Dubois, Simone Lista, Stefan J. Teipel, and Harald Hampel. Plasma Beta-Secretase 1 Concentrations Predict Global and Regional Brain Burden of Amyloid-β in Cognitively Normal Individuals at Risk for AD: Cross-Sectional and Longitudinal Studies.

3.   Andrea Vergallo, Pablo Lemercier, Eugeen Vanmechelen, Ann De Vos, Kaj Blennow, Henrik Zetterberg, Marie-Claude Potier, Bruno Dubois, Simone Lista, Stefan J. Teipel, and Harald Hampel. Plasma Beta-Secretase 1 Concentrations Impact Plasma NFL Concentrations in Cognitively Normal Individuals at Risk for AD: Cross-Sectional and Longitudinal Studies.

4.   Nicola Toschi, Simone Lista, Filippo Baldacci, Enrica Cavedo, Henrik Zetterberg, Kaj Blennow, Ingo Kilimann, Stefan J. Teipel, Antonio Melo dos Santos, Stéphane Epelbaum, Foudil Lamari, Remy Genthon, Marie-Odile Habert, Bruno Dubois, Prof., Roberto Floris, Francesco Garaci, Andrea Vergallo, and Harald Hampel. Biomarker-Guided Stratification Approach of the Clinical Continuum of Alzheimer's Disease Using Unsupervised Clustering Methods.

5.   Filippo Baldacci, Simone Lista, Maria Laura Manca, Andrea Vergallo, Lucile Megret, Henrik Zetterberg, Kaj Blennow, Foudil Lamari, Remy Genthon, Enrica Cavedo, Marie-Odile Habert, Christian Neri, Bruno Dubois, Harald Hampel, and INSIGHT-preAD study group for the Alzheimer Precision Medicine Iniziative (APMI). Longitudinal Effect of Biological Variables on Plasma NFL and t-Tau Concentrations on Subjective Memory Complainers (INSIGHT-preAD-cohort): A 3-Year Follow-up Study.

6.   Patrizia Andrea Chiesa, Marion Houot, Andrea Vergallo, Enrica Cavedo, Simone Lista, Marie-Claude Potier, Henrik Zetterberg, Kaj Blennow, Eugeen Vanmechelen, Ann De Vos, Bruno Dubois, and Harald Hampel. Association between Brain Network Dynamics and Plasma Biomarkers in Cognitively Intact Individuals at Risk for Alzheimer's Disease.

7.   Enrica Cavedo, Simone Lista, Marion Houot, Andrea Vergallo, Michel J. Grothe, Stefan J. Teipel, Henrik Zetterberg, Kaj Blennow, Marie-Odile Habert, Marie-Claude Potier, Bruno Dubois, Harald Hampel. Plasma Tau Is Associated with Basal Forebrain Rate of Atrophy in Older Adults at Risk of Alzheimer's Disease.

8.   Enrica Cavedo, Patrizia Andrea Chiesa, Marion Houot, Maria Teresa Ferretti, Simone Lista, Michel J. Grothe, Stefan J. Teipel, Marie-Odile Habert, Bruno Dubois, Harald Hampel, and INSIGHT-preAD Study. Different Sex Vulnerability of the Basal Forebrain Cholinergic System in Relation with In Vivo Brain Amyloid Load.

9. Patrizia Andrea Chiesa, Dimitris Trif, Olaf Sporns, Enrica Cavedo, Marie-Claude Potier, Simone Lista, Bruno Dubois, Harald Hampel, and Andrea Vergallo. APOE Affect the Network Architecture of the Resting Brain in Individuals at Risk for AD.

10. Claudio Babiloni, Susanna Lopez, Claudio Del Percio, Giuseppe Noce, Maria Teresa Pascarelli, Roberta Lizio, Stefan J. Teipel, Hovagim Bakardjian, Nathalie George, Gabriel González-Escamilla, Enrica Cavedo, Patrizia Andrea Chiesa, Giuseppe Spinelli, Sarah Weschke, Michel J. Grothe, Marie-Claude Potier, Marie-Odile Habert, Bruno Dubois, Harald Hampel, and the INSIGHT-preAD study group. Preclinical Alzheimer's Disease: Which EEG Biomarkers for Precision Medicine?

11. Patrizia Andrea Chiesa, Giuseppe Spinelli, Denis Schwartz, Simone Lista, Marie-Claude Potier, Hovagim Bakardjian, Bruno Dubois, Nathalie George, and Harald Hampel. Concurrent EEG/fMRI Network Dynamics Alterations in Cognitively Intact Individuals at Risk for Alzheimer's Disease.

12. Claudio Babiloni, Maria Teresa Pascarelli, Roberta Lizio, Giuseppe Noce, Susanna Lopez, Marco Rizzo, Raffaele Ferri, Andrea Soricelli, Flavio Nobili, Dario Arnaldi, Francesco Famà, Francesco Orzi, Carla Buttinelli, Franco Giubilei, Marco Salvetti, Virginia Cipollini, Laura Bonanni, Raffaella Franciotti, Marco Onofrj, Paola Stirpe, Peter Fuhr, Ute Gschwandtner, Gerhard Ransmayr, Dag Aarsland, Lucilla Parnetti, Lucia Farotti, Moira Marizzoni, Fabrizia D'Antonio, Carlo de Lena, Bahar Güntekin, Lutfu Hanoğlu, Görsev Yener, Derya Durusu Emek-Savaş, Antonio Ivano Triggiani, John-Paul Taylor, Ian McKeith, Fabrizio Stocchi, Laura Vacca, Harald Hampel, Giovanni B. Frisoni, Maria Francesca De Pandis, and Claudio Del Percio. Abnormalities of Electroencephalographic (EEG) Markers in Quiet Wakefulness Are Related to Motor Deficits, Cognitive Symptoms, and Visual Hallucinations in Parkinson's Disease Patients.

11th CLINICAL TRIALS ON ALZHEIMER'S DISEASE (CTAD)
October 24-27, 2018 - Barcelona, Spain

Abstracts / Posters / Presentations

1. Gregory Penner, Soizic Lecocq, Anaëlle Chopin, Simone Lista, Andrea Vergallo, Enrica Cavedo, Francois-Xavier Lejeune, Harald Hampel, the INSIGHT-preAD study group and the Alzheimer Precision Medicine Initiative (APMI). LBP26 - Novel use of aptamer libraries for prediction of amyloid status from blood serum. Theme 4. Clinical trials: Biomarkers including plasma.

ALZHEIMER'S ASSOCIATION INTERNATIONAL CONFERENCE 2018 (AAIC 2018)
Chicago, U.S., Jul 22 - 26, 2018

Abstracts / Posters / Presentations

1. Nicola Toschi, Simone Lista, Filippo Baldacci, Andrea Vergallo, Henrik Zetterberg, Kaj Blennow, Ingo Kilimann, Stefan J. Teipel, Enrica Cavedo, Antonio Melo dos Santos, Foudil Lamari, Remy

"Exploring the Systems Biology and Systems Neurophysiology of Alzheimer's Disease"

Genthon, Bruno Dubois, Roberto Floris, Francesco Garaci, Harald Hampel, for the Alzheimer Precision Medicine Initiative (APMI). Innovative biomarker-guided diagnostic system from preclinical to Alzheimer's disease dementia.

2.   Filippo Baldacci, Andrea Vergallo, Simone Lista, Lucile Mégret, René-Sosata Bun, Henrik Zetterberg, Kaj Blennow, Foudil Lamari, Remy Genthon, Enrica Cavedo, Marie-Odile Habert, Christian Neri, Bruno Dubois, Harald Hampel, and the INSIGHT-preAD study group, for the Alzheimer Precision Medicine Initiative (APMI). Increased longitudinal dynamics of plasma YKL-40 concentrations in amyloid-PET positive individuals with subjective memory complaints.

3.   Filippo Baldacci, Andrea Vergallo, Simone Lista, Lucile Mégret, René-Sosata Bun, Henrik Zetterberg, Kaj Blennow, Foudil Lamari, Remy Genthon, Enrica Cavedo, Marie-Odile Habert, Christian Neri, Bruno Dubois, Harald Hampel, and the INSIGHT-preAD study group, for the Alzheimer Precision Medicine Initiative (APMI). Correlation and longitudinal dynamics of plasma NFL and Tau concentrations in amyloid-PET negative individuals with subjective memory complaints.

4.   Andrea Vergallo, René-Sosata Bun, Nicola Toschi, Filippo Baldacci, Henrik Zetterberg, Kaj Blennow, Enrica Cavedo, Foudil Lamari, Marie-Odile Habert, Bruno Dubois, Roberto Floris, Francesco Garaci, Simone Lista, Harald Hampel, and the INSIGHT-preAD study group, for the Alzheimer Precision Medicine Initiative (APMI). Association of CSF alpha-synuclein and tau concentrations with amyloid mean cortical standard uptake value ratios in preclinical subjective memory complainers stratified by Alzheimer's disease biomarkers.

5.   Harald Hampel, Andrea Vergallo, Lucile Mégret, René-Sosata Bun, Eugeen Vanmechelen, Ann De Vos, Foudil Lamari, Remy Genthon, Enrica Cavedo, Marie-Odile Habert, Christian Neri, Bruno Dubois, Simone Lista, and the INSIGHT-preAD study group, for the Alzheimer Precision Medicine Initiative (APMI). Correlations and altered longitudinal dynamics of plasma BACE1 and NFL concentrations in individuals with subjective memory complaints.

6.   Simone Lista, Andrea Vergallo, Lucile Mégret, René-Sosata Bun, Eugeen Vanmechelen, Ann De Vos, Foudil Lamari, Remy Genthon, Enrica Cavedo, Marie-Odile Habert, Christian Neri, Bruno Dubois, Harald Hampel, and the INSIGHT-preAD study group, for the Alzheimer Precision Medicine Initiative (APMI). Increased plasma BACE1 concentrations in women with subjective memory complaints: correlation with plasma NFL.

7.   Harald Hampel, Nicola Toschi, Filippo Baldacci, Henrik Zetterberg, Kaj Blennow, Ingo Kilimann, Stefan J. Teipel, Enrica Cavedo, Antonio Melo dos Santos, Foudil Lamari, Remy Genthon, Bruno Dubois, Roberto Floris, Francesco Garaci, Simone Lista, for the Alzheimer Precision Medicine Initiative (APMI). Novel Alzheimer's disease biomarker-guided diagnostic workflow using the added value of six combined cerebrospinal fluid candidates: Aβ1-42, total-tau, phosphorylated-tau, NFL, neurogranin, and YKL-40.

8.   Enrica Cavedo, Patrizia A. Chiesa, Marion Houot, Maria Teresa Ferretti, Michel J. Grothe, Stefan J. Teipel, Simone Lista, Marie-Odile Habert, Marie-Claude Potier, Bruno Dubois, Harald Hampel, for the INSIGHT-preAD study group, for the Alzheimer Precision Medicine Initiative (APMI). Increase resilience to Alzheimer's disease pathophysiology in men with subjective memory complaints compared to women.

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9. Enrica Cavedo, Patrizia A. Chiesa, Marion Houot, Maria Teresa Ferretti, Simone Lista, Michel J. Grothe, Stefan J. Teipel, Bruno Dubois, Harald Hampel, for the INSIGHT-preAD study group, for the Alzheimer Precision Medicine Initiative (APMI). Reduced basal forebrain functional connectivity in women with subjective memory complaints compared to men.

10. Patrizia A. Chiesa, Enrica Cavedo, Marie-Claude Potier, Simone Lista, Bruno Dubois, Michel Thiebaut de Schotten, Harald Hampel, and the INSIGHT-preAD study group, for the Alzheimer Precision Medicine Initiative (APMI). APOE dependent longitudinal changes in default mode network functional connectivity in subjective memory complainers.

11. Patrizia A. Chiesa, Marion Houot, Enrica Cavedo, Simone Lista, Marie-Odile Habert, Bruno Dubois, Harald Hampel, and the INSIGHT-preAD study group, for the Alzheimer Precision Medicine Initiative (APMI). Correlation of functional MRI connectomes with Alzheimer's disease risk factors in subjective memory complainers.

ALZHEIMER'S ASSOCIATION INTERNATIONAL CONFERENCE 2017 (AAIC 2017)
London, Jul 14 - 20, 2017

Abstracts / Posters / Presentations

1. Simone Lista, Nicola Toschi, Filippo Baldacci, Kaj Blennow, Henrik Zetterberg, Ingo Kilimann, Stefan J. Teipel, Enrica Cavedo, Antonio Melo dos Santos, Stéphane Epelbaum, Foudil Lamari, Bruno Dubois, Robert Nisticò, Roberto Floris, Francesco Garaci, Harald Hampel. Two-Level Diagnostic Classification Using Cerebrospinal Fluid Neurogranin in Alzheimer's Disease.

2. Simone Lista, Nicola Toschi, Filippo Baldacci, Kaj Blennow, Henrik Zetterberg, Ingo Kilimann, Stefan J. Teipel, Enrica Cavedo, Antonio Melo dos Santos, Stéphane Epelbaum, Foudil Lamari, Bruno Dubois, Roberto Floris, Francesco Garaci, Harald Hampel. Diagnostic Accuracy of CSF Neurofilament Light Chain Protein in the Unbiased Biomarker-Guided Classification System for Alzheimer's Disease.

3. Filippo Baldacci, Nicola Toschi, Simone Lista, Kaj Blennow, Henrik Zetterberg, Ingo Kilimann, Stefan J. Teipel, Enrica Cavedo, Antonio Melo dos Santos, Stéphane Epelbaum, Foudil Lamari, Bruno Dubois, Roberto Floris, Francesco Garaci, Ubaldo Bonuccelli, Harald Hampel. Diagnostic Performance Using CSF YKL-40 in Alzheimer's Disease and Frontotemporal Dementia.

4. Harald Hampel, Nicola Toschi, Filippo Baldacci, Kaj Blennow, Henrik Zetterberg, Ingo Kilimann, Stefan J. Teipel, Enrica Cavedo, Antonio Melo dos Santos, Stéphane Epelbaum, Foudil Lamari, Bruno Dubois, Roberto Floris, Francesco Garaci, Simone Lista. Diagnostic Accuracy of CSF Aβ1-42, p-Tau, t-Tau, Neurofilament Light Chain, Neurogranin, YKL-40 Combined Biomarkers in a Multicenter Cohort of Cognitively Impaired Patients.

5. Nicola Toschi, Simone Lista, Filippo Baldacci, Kaj Blennow, Henrik Zetterbeg, Ingo Kilimann, Stefan J. Teipel, Enrica Cavedo, Antonio Melo dos Santos, Foudil Lamari, Bruno Dubois,

Roberto Floris, Francesco Garaci, Harald Hampel. Unbiased Biomarker-Based Categorization of a Multicenter Cohort of ADD, MCI and FTD Patients.

6. René Bun, Filippo Baldacci, Nicola Toschi, Simone Lista, Enrica Cavedo, Kaj Blennow, Henrik Zetterberg, Roberto Floris, Francesco Garaci, Ubaldo Bonuccelli, Foudil Lamari, Marie-Odile Habert, Bruno Dubois, Harald Hampel, and the INSIGHT-preAD Study Group. Prediction Performance of Alpha-Synuclein Protein in Preclinical Subjective Memory Complainers Stratified By AD Biomarkers: The INSIGHT-PreAD Study.

7. Filippo Baldacci, Nicola Toschi, Simone Lista, Enrica Cavedo, Kaj Blennow, Henrik Zetterberg, Roberto Floris, Francesco Garaci, Ubaldo Bonuccelli, Foudil Lamari, Marie-Odile Habert, Bruno Dubois, Harald Hampel, and the INSIGHT-preAD Study Group. Association of Plasma Neurofilament Light Chain Protein with Brain Amyloid Status in a Preclinical Cohort of Subjective Memory Complainers: The INSIGHT-pre AD Study.

8. Enrica Cavedo, Roland Opfer, Ann-Christin Ostwaldt, Lothar Spies, Marie-Odile Habert, Simone Lista, Bruno Dubois, Harald Hampel, and the INSIGHT-preAD study group. Comparison of Brain Morphology Between Two Databases of Elderly Cognitive Intact Individuals for the Validation of Hippocampal Volume Normative Data in the French INSIGHT-Pre AD Cohort

9. Patrizia A. Chiesa, Federica Cacciamani, Enrica Cavedo, Stéphane Epelbaum, Simone Lista, Bruno Dubois, Harald Hampel, and for the INSIGHT-preAD study. The Spontaneous Functional Connectivity Reflects the Low Cognitive Awareness in Older Subjective Memory Complainers: The INSIGHT-Pre AD Study.

10. Patrizia Andrea Chiesa, Enrica Cavedo, Marie-Odile Habert, Simone Lista, Bruno Dubois, Harald Hampel. Spontaneous Low-Frequency Bold Signal Fluctuations in Older Subjective Memory Complainers with or without Brain Amyloidosis.

11. 16. Patrizia Andrea Chiesa, Enrica Cavedo, Stefan J. Teipel, Michel J. Grothe, Marie-Odile Habert, Simone Lista, Bruno Dubois, Harald Hampel. A Functional Resting State Study of the Basal Forebrain Functional Connectivity in Asymptomatic at Risk Individuals for AD: The INSIGHT-Pre AD Study.

12. Stefan J. Teipel, Enrica Cavedo, Sarah Weschke, Michel J. Grothe, Katrine Rojkova, Gaëlle Fontaine, Luce Dauphinot, Gabriel Gonzalez-Escamilla, Marie-Claude Potier, Hugo Bertin, Marie-Odile Habert, Bruno Dubois, Harald Hampel. Brain Amyloid Accumulation and Structural Covariance in People with Subjective Memory Complaints.

13. Sarah Weschke, Hovagim Bakardjian, Stefan Teipel, Gabriel Gonzalez-Escamilla, Enrica Cavedo, Michel Grothe, Martin Dyrba, …, Bruno Dubois, Harald Hampel. Association of cortical amyloid load with resting-state EEG functional connectivity in subjective memory complainers.