Science of Aphasia

20th International Science of Aphasia Conference

The temporal lobe revisited: Neural and Functional updates

Rome, September 23-26, 2019

Accademia Nazionale dei Lincei
Villa Farnesina - Palazzina dell'Auditorio

Hosted by
Gabriele Miceli
CIMEC - Università di Trento
Dear participants,

We are very pleased to welcome you to the 20th International Science of Aphasia (SoA) conference. The Conference will be held from September 23 till September 26, 2019 in Rome. The program theme of the 20th International Science of Aphasia conference is: **The Temporal Lobe Revisited**.

Current neuroimaging, neurophysiological and behavioral investigations provide increasingly detailed insights into the functional neuroanatomy of the left temporal lobe. Studies in cognitively intact and in brain-damaged populations converge in considering the left temporal lobe as critical for the recognition and processing of speech sounds; for the recognition, comprehension and retrieval of spoken and written nouns and verbs; for sentence comprehension; and for verbal memory skills.

The role of the left temporal lobe in the neural networks involved in language and language-related tasks will be discussed by cognitive neuroscientists from the perspective of neuroanatomy, neurology, neuropsychology, neuroimaging and neurolinguistics.

We look forward to a stimulating and pleasant conference!

The organizing committee of SoA2018
PROGRAMME

Monday 23rd September 2019

08.15 – 09.00 Registration

09.00 – 12.00 "Anatomical and functional overview"
Chair and Discussant: R. Bastiaanse
All paths lead to Broca’s area - M. Catani
How the temporal lobe speaks to the frontal lobe - D. Poeppel

12.00 – 13.00 Break

13.00 – 15.00 ORAL PRESENTATIONS 1 - Chair: A. Rofes

13.00 – 13.15 The functional neuroanatomy of the left temporal lobe white matter – an interdisciplinary approach based on intraoperative and comparative studies.
J. Sierpowska, K. L. Bryant, M. Römkens, M. Mangnus, N. Janssen, R. Kessels, A. Roelofs, R. Mars & V. Piai

J. S. Noh, S. Lee, Y. Na, M. Cho, Y.-M. Hwang, W.-S. Tae & S.-B. Pyun

13.30 – 13.45 White-matter bottleneck in small vessel disease:
A lesion-symptom mapping study of executive-language functions.

13.45 – 14.00 Forests in the trees: Using conditional inference random forests on MEG data to explore ‘what fires together’ in a picture naming task.
E. Asp, A. Tremblay, G. Flick & A. Newman

14.00 – 14.15 What are the active ingredients in anomia therapy? A random forest analysis of anomia research from 2009-2018.
W. Ping Sze, J. Warren, S. Hameau & W. Best

14.15 – 14.30 Neural substrates associated with the recovery of verb anomia:
the role of sensorimotor strategies in the improvement of naming abilities in aphasia.
E. Durand, P. Berroir & A. I. Ansaldio

S. Montemurro, G. Jarema & S. Mondini

14.45 – 15.30 Break

Presenters are indicated in boldface
15.30 – 16.15 **FLASH PRESENTATIONS POSTER SESSION 1** - Chair: **D. De Kok**


15.39 – 15.42 Adaptation of the Bilingual Aphasia Test to Lebanese Arabic. **N. Ezzeddine** & B. Köpke

15.45 – 15.48 The Experiences of Aphasia Caregivers In Turkey. **H. Aslantürk**, N. Tiryaki & B. Toğram

15.48 – 15.51 Public Awareness of Aphasia in Turkey. **B. Toğram**


15.54 – 15.57 Differences in semantic priming during lifespan and in aphasia. **G. Krethlow**, G. Python & M. Laganaro

15.57 – 16.00 Speech and language therapy for acquired dysgraphia in neurological patients: a systematic review. **S. Nordio**, C. Brisotto & F. Biddau

16.00 – 16.03 Neurofunctional correlates of auditory and visual sentence comprehension: Evidence from aphasia. **S. Beber**, R. Capasso & G. Miceli


16.12 – 16.15 Age-related differences in auditory semantic priming: the development of normative electrophysiological data

*Presenters are indicated in boldface*
in the Dutch population.

E. M. Cocquyt, P. Santens, P. Van Mierlo, W. Duyck, A. Szmalec & M. De Letter

16.15 – 17.00 POSTER SESSION 1

Tuesday 24th September 2019

09.00 – 12.00 “Auditory and music perception”
Chair and Discussant: L. Nickels
Singing in the brain revisited - I. Peretz
“People hearing without listening”:
The case of pure word deafness - G. Miceli

12.00 – 13.00 Break

13.00 – 14.15 ORAL PRESENTATIONS 2 - Chair: V. Fyndanis

13.00 – 13.15 ‘A moderate global aphasia’: the pattern of language deficits in acute post-surgical tumor patients.


O. Buivolova, O. Vinter, R. Bastiaanse & O. Dragoy

Y. Akinina, O. Buivolova, O. Soloukhina & R. Bastiaanse

14.00 – 14.15 Coupling language and executive functions for premanifest and early Huntington’s Disease follow up.
C. Jacquemot, C. Schramm, L. Lemoine, K. Yousof & AC. Bachoud-Lévi

14.15 – 14.45 Break

14.45 – 15.30 FLASH PRESENTATIONS POSTER SESSION 2 - Chair: D. De Kok

14.45 – 14.48 The role of the white matter pathways in spontaneous speech in aphasia.
S. Averina, O. Dragoy & R. Bastiaanse

Presenters are indicated in boldface
B. Chiappetta, M. Walenski, E. Barbieri, A. Patel & C. Thompson

14.51 – 14.54 Brain metabolic correlates of errors on picture naming in Alzheimer’s Disease.  
C. Rosazza, M. Gazzotti, P. Urso, V. Impagnatiello, C. Crivellaro & V. Isella

Y. Joanette & I. Methqal

14.57 – 15.00 Written Language in Mandarin-dominant Older Adults with Hearing Loss.  
L. Low, S. Rickard Liow, M. Yap, T. Siok Keng & R. Heywood

15.00 – 15.03 Determining the ideal length of spontaneous speech fragments for predictive analysis.  
R. Ossewaarde, R. Jonkers & R. Bastiaanse

15.03 – 15.06 Short Term Memory and sentence processing in deep dysphasia.  
X. Ansorena, M. Hernández, M. Carreiras, J. I. Quemada & S. Mancini

15.06 – 15.09 Language abilities in Aicardi Syndrome: A case study.  
S. Georgiadou, S. Stavrakaki & V. Kimiskidis

15.09 – 15.12 Which word planning processes require attention? Evidence from dual-task interference in aphasia.  
C. Demierre, G. Python, B. Glize & M. Laganaro

15.12 – 15.15 Contribution of acoustic analysis in the differential diagnosis of apraxia of speech.  
M. Bourqui, M. Pernon, C. Fougeron & M. Laganaro

15.15 – 15.18 The investigation of paraphasias in speakers with fluent and non-fluent aphasia.  
M. Vuković & I. Vuković

15.18 – 15.21 Positive effects of a treatment based on temporal information processing on language and non-language cognitive functions in individuals with aphasia: a pilot study.  
M. Choinski, E. Szelaq, A. Bombinska & A. Szymaszek

15.21 – 15.24 The production of French consonant sequences in typically developing children and in people with aphasia.  
F. Chiu & T. Prince

A. Lorenz, D. Pino, J. D. Jescheniak, F. Regenbrecht & H. Obrig

15.27 – 15.30 Investigating the Neural Correlates of Argument Structure Processing.  
E. Delikishkina, A. Lingnau & G. Miceli

15.30 – 16.30 POSTER SESSION 2

Presenters are indicated in boldface
Wednesday 25th September 2019

09.00 – 12.00 “Semantic representations”
Chair and Discussant: W. Best
Exploring abstract and concrete words in the brain - C. Papagno
Concepts, categories, and connectivity - A. Martin

12.00 – 13.00 Break

13.00 – 15.00 ORAL PRESENTATIONS 3 - Chair: V. De Aguiar

13.00 – 13.15 Impaired verb-related morphosyntactic production in Multiple Sclerosis: Evidence from Greek.
V. Fyndanis, L. Messinis, G. Nàsios, E. Dardiotis, M. Martzoukou, M. Pitopouloou, K. Ntoskou & S. Malefaki

R. Nappo, C. Romani, I. Bureca, & G. Galati

J. Obermeyer & N. Martin

13.45 – 14.00 Application of the Nonverbal Semantics Test (NVST) to persons with aphasia after stroke and persons with dementia.

14.00 – 14.15 Treatment of adjectives in aphasia: Two case-studies.
K. Renvall & L. Nickels

14.15 – 14.30 Investigating over-generalisation following word-retrieval treatment in Semantic Dementia.
L. Nickels, S. Savage, L. Lampe, O. Piguet & J. Hodges

A. Whitworth, A. Beales, J. Cartwright, P. Panegyres & R. Kane

14.45 – 15.00 Effect of Type of Language Therapy on Language Improvement in Patients with Post-Stroke Aphasia.
J. Vuksanović, T. Milovanović, L. Konstantinović & S. R. Filipović

15.00 – 15.30 Break

15.30 – 16.15 FLASH PRESENTATIONS POSTER SESSION 3 - Chair: S. Martinez Ferreiro

15.30 – 15.33 Communicating and fixing communication breakdowns with people

Presenters are indicated in boldface
with aphasia: Speech-language therapists’ (SLTs) and caregivers’ perspectives.

Ö. Oğuz


J. Kobal & S. Šešok, N. Bolle


T. Prince

15.39 – 15:42 Neural tracking of semantics in natural speech.

J. Kries, M. Gillis, J. Vanthornhout, T. Francart & M. Vandermosten

15.42 – 15:45 Neuronavigated 1 Hz repetitive Transcranial Magnetic Stimulation (rTMS) in Chronic post-Stroke Aphasia.

M. Kambanaros & N. Karpathiou


A. Garg, V. Piai, A. Takashima, J. M. McQueen & A. Roelofs

15.48 – 15:51 The Effect of tDCS on Syntactic Processing in Aphasia.

D. Eroğlu Uzun, S. Şener & B. Metin

15.51 – 15:54 Linguistic parameters in an app-based assessment of German verbs and nouns in aphasia.

D. De Kok, S. Hanekamp & R. Bastiaanse

15.54 – 15:57 Understanding language recovery in stroke patients by including neuroanatomical and behavioural measures of learning potential.

M. Vandermosten, K. Schevenels, I. Zink & B. De Smedt

15.57 – 16.00 Assessing verb selection using MEG. A precise methodology for language presurgical mapping.


16.00 – 16.03 Investigating regular and irregular morphology in Parkinson’s and Alzheimer’s disease: evidence from Slovenian.

G. Roumpea, M. Blesić, D. Georgiev & C. Manouilidou


I. Luotonen, K. Renvall & P. Korpihahti

16.06 – 16.09 Frontotemporal dementia: a comparative case study of Greek-speaking individuals with the non-fluent and semantic variants of primary progressive aphasia.

N. Karpathiou & M. Kambanaros

16.09 – 16.12 The role of the uncinate fasciculus and inferior longitudinal fasciculus in healthy and disordered language production.

N. Janssen, M. Mangnus, A. Roelofs, J. Sierpowska, R. Kessels, V. Piai

16.15 – 17.00 POSTER SESSION 3

Presenters are indicated in boldface
Thursday 26th September 2019

09.00 – 12.00 “Language in the temporal lobe: Evolution, loss & recovery”
Chair and Discussant: D. Howard
Visual words in the temporal cortex - L. Cohen
The role of temporal lobe tissue in syntactic processing: Neurotypical and treatment-induced aphasia recovery - C. K. Thompson

12.00 – 13.00 Break

13.00 – 13.45 FLASH PRESENTATIONS POSTER SESSION 4 - Chair: S. Martinez Ferreiro

13.00 – 13.03 Effect of Type of Language Therapy on Fluency in Patients with Post-Stroke Aphasia.
S. Filipović, J. Vuksanović, T. Milovanović & L. Konstantinović

13.03 – 13.06 Effects of language therapies on receptive language recovery in post-stroke aphasia patients.
T. Milovanović, J. Vuksanović, L. Konstantinović & S. R. Filipović

13.06 – 13.09 RELEASE-ing the potential of a large, international, systematic review-based Individual Participant Data (IPD) aphasia after stroke database for meta- and network meta-analysis.
M. Brady, M. Ali et al.

M. J. Tainturier, P. Sorvisto & P. Mullins

V. De Aguiar, A. Rofes, B. Ficek, K. Webster, H. Wendt & K. Tsapkini

L. Vercesi, P. Sabnis, C. Finocchiaro, L. Cattaneo, E. Tonolli & G. Miceli

13.18 – 13.21 Using multi-word utterances more flexibly in non-fluent aphasia: Findings from a case series investigation.
C. Bruns, V. Zimmerer, C. Bruce, R. Varley & S. Beeke

M. Blesić, D. Georgiev & Ch. Manouilidou

J. Schlesinger, J. Obermeyer & N. Martin

13.27 – 13.30 Do you prefer playing “with fire” or “with the flame”?
Idiom comprehension in individuals with mild aphasic symptoms.
M. Sandmann, S. Weiss & H. Müller

Presenters are indicated in boldface
   **S. Ohta**, Y. Oseki & A. Marantz

13.33 – 13.36 Cortical and subcortical involvement during Object and Action Naming in healthy participants under nTMS.

   **S. Martínez-Ferreiro**, C. Méndez-Orellana, C. Holme, K. Sandoval-León, B. Cortés-Rivera & P. Méndez-Orellana

13.45 – 14.30 **POSTER SESSION 4**

*Presenters are indicated in boldface*
INVITED FACULTY

Marco Catani  
NatBrainLab, King’s College, London, UK

David Poeppel  
New York University, New York; Max-Planck-Institut für empirische Ästhetik, Frankfurt

Isabelle Peretz  
University of Montréal, Canada

Gabriele Miceli  
CIMEC, University of Trento, and Centro Interdisciplinare Linceo, Rome

Alex Martin  
Section on Cognitive Neuropsychology, Laboratory of Brain and Cognition, National Institutes of Mental Health, Bethesda, USA

Costanza Papagno  
University of Trento, and University of Milan - Bicocca, Italy

Laurent Cohen  
ICM, Pitie Salpetriere hospital and University of Paris, France

Cynthia K. Thompson  
Department of Communication Sciences and Disorders, Northwestern University, Chicago, USA

GENERAL INFORMATION

REGISTRATION FEES
Rates include VAT

EARLY REGISTRATION - Within June 28th, 2019
Senior Researcher: Euro 450,00
Student: Euro 250,00

LATE REGISTRATION - After June 29th, 2019
Senior Researcher: Euro 500,00
Student: Euro 280,00

The registration fee includes
- Access to scientific sessions
- Congress kit
- Certificate of attendance

TERMS OF PAYEMENT & REGISTRATION TOOL
Credit card / Paypal payment on www.balestracongressi.com, link available next to the Congress poster.

Registration form must be completed online (available on www.balestracongressi.com).

CONGRESS VENUE
Accademia dei Lincei - Auditorio Villa Farnesina, Via della Lungara 230 - 00165 Rome

SOCIAL EVENT
Visit of Villa Farnesina and tour of Trastevere + social dinner € 45,00
The visit and the tour will take place on Tuesday 24 September starting at 17.30 from the Congress Venue.
The dinner will be held at the Accademia dei Lincei (via della Lungara, 10).
It is possible to book dinner on www.balestracongressi.com until September 15th 2019.
Organizing Secretariat & C.M.E. Provider

Balestra Congressi

Piazza Roberto Malatesta, 16 - 00176 Rome
Phone +39 06 5743634
Mobile +39 3398319858
aphasierome@balestracongressi.com