



**UNIVERSITÉ  
DE GENÈVE**

FACULTÉ DE PSYCHOLOGIE  
ET DES SCIENCES DE L'ÉDUCATION



**Science of Aphasia**

**FNSNF**

FONDS NATIONAL SUISSE  
DE LA RECHERCHE SCIENTIFIQUE

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**Science of Aphasia 2017**  
*Neurotechnology and Language*

Geneva, 11-14 September 2017

University of Geneva, [UniMail \(40. Bd Pont d'Arve\)](#)

**PROGRAM**

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## Monday September 11 (UniMail, MS150)

8:15-9:00: Registration

9:00-9:15: Welcome & Introduction

9:15-12:15. Invited talks 1&2 : fMRI, DTI, VLSM

Alex LEFF (UCL, London, UK) : *Can structural imaging help predict patients' responses to behavioural therapies?*

10:15-10:45: coffee

Argye HILLIS (Johns Hopkins University, Baltimore, US) : *"No matter how you slice it..."*

11:45-12:30: Discussion (Moderator & discussant D. HOWARD)

12:30 - 14:00 Lunch (Cafeteria UniMail)

14:00 – 15:40 Contributed papers oral session 1

FIEDER, Nora; WARTENBURGER, Isabell; ABDEL RAHMAN, Rasha. *Nearest but not dearest: Effects of semantic neighbourhood distance and density on word production.*

GAUVIN, Hanna Summer; MCMAHON, Katie; MEINZER, Marcus; DE ZUBICARAY, Greig. *Brain Mechanisms of Semantic Interference in the Picture-Word Interference Paradigm: An anodal transcranial direct current stimulation (aTDCS) study*

KENDRICK, Luke; ROBSON, Holly; ELLIS, Judi; METEYARD, Lotte. *Measuring executive control abilities in aphasia*  
MURTEIRA, Ana Filipa; NICKELS, Lyndsey. *Effects of gesture observation on action-picture naming in people with aphasia*

PYTHON, Gregoire; GLIZE, Bertrand; MOLLO, Clémence; LAGANARO, Marina. *Sensitivity to semantic facilitation vs interference in picture naming in mild chronic aphasia*

15:45-16:15 Coffee

16:15 - 17:45 Poster Session 1

16:15 - 16:45 Short (3 slide) presentations poster session 1, then poster session (3d floor)

BRUCE, Carolyn; GEORGE, Leya; JAMES, Philippa; ATHANASIADOU, Christina; NEWTON, Caroline. *Investigating the effectiveness of "SWAN", a digital game for remediation of acalculia in adults with aphasia*

CIACCIO, Laura Anna; BURCHERT, Frank. *Morphological errors in reading prefixed words: Investigations on a patient with deep dyslexia*

CORDONIER, Natacha; FOSSARD, Marion; CHAMPAGNE-LAVAU, Maud. *Irony comprehension in right-frontal brain-damaged patients: the role of context*

FLEMING, Victoria; COLEY-FISHER, Henry; CRINION, Jenny; KRASON, Anna; LEFF, Alex; BROWNSSETT, Sonia. *Listen-In: High-dose home-based auditory comprehension therapy is achievable and effective – preliminary findings*

KADYAMUSUMA, McLoddy Rutendo. *Frequency of use and its influence on the reading of indigenous languages: Reading time reference violations in Shona*

KRASON, Anna; BROWNSSETT, Sonia; FLEMING, Victoria. *Listen-In: Qualitative findings of involving people with aphasia in the development of a home-based auditory comprehension therapy application*

MALYUTINA, Svetlana; OOSTERHUIS, Elise J.; ZELENKOVA, Valeriya; BUIVOLOVA, Olga; ZMANOVSKY, Nikita; FEURRA, Matteo. *Targeting interhemispheric balance to modulate language processing: A tDCS study in healthy volunteers.*

METEYARD, Lotte; ROBSON, Holly; ELLIS, Judi; KENDRICK, Luke. *Exploring impaired vs. spared learning performance in aphasia*

PESTALOZZI, Maria I.; DI PIETRO, Marie; MARTINS GAYTANIDIS, Chrisovalandou; CHOUITER, Leila; COLOMBO, Françoise; SPIERER, Lucas; SCHNIDER, Armin; ANNONI, Jean-Marie; JOST, Lea B.. *Effects of prefrontal transcranial direct current stimulation on language production in post-stroke aphasia*

PILKINGTON, Emma Clare; SAGE, Karen; SADLY, Douglas; ROBSON, Holly. *Lexical Activation in Jargon Reading and Repetition*

SCHUMACHER, Rebecca; BURCHERT, Frank; ABLINGER, Irene. *Specifying the underlying deficits in German patients with acquired dyslexia*

## Tuesday September 12 (UniMail, MS150)

(8:30-9:00: Registration)

### 9:00-12:00. Invited talks 3&4 : tDCS

**Mieke VAN DE SANDT** (Rijndam Rehab & Erasmus MC, Rotterdam, NL). *tDCS: a useful clinical tool, or a failed promise?*

10:00-10:30: coffee

**Marcus MEINZER** (U. Queensland, Australia) *Can we enhance language recovery after stroke by transcranial direct current stimulation?*

11:30-12:15: Discussion (Moderator & discussant G. MICELI)

### 12:15 - 13:30 Lunch (Cafeteria UniMail)

### 13:30 – 15:30 Contributed papers oral session 2

ARSLAN, Seckin; GÜR, Eren; FELSER, Claudia. Individual variability and linguistic constraints on the comprehension of wh-questions in Turkish and German aphasia

GARRAFFA, Maria; SEDDA, Anna. Core regions for syntactic processing? A tDCS study on the language network.

MAN, Grace; FREDERICK, Jennifer; LEE, Jiyeon. Effects of attentional and lexical cues on syntactic production in aphasia: eyetracking-while-speaking

MARTÍNEZ-FERREIRO, Silvia; ISHKHANYAN, Byurakn; BOYE, Kasper. Prepositions in Transcortical and Mixed aphasias

NEWTON, Caroline; THORNLEY, Helena; BRUCE, Carolyn. The influence of emotional valence on word recognition in people with aphasia

OSSEWAARDE, Roelant Adriaan; JONKERS, Roel; JALVINGH, Fedor; BASTIAANSE, Roelien. Measurement of speech parameters in casual speech of dementia patients

### 15:30-16:00 Coffee

### 16:00 – 17:30 Poster Session 2

#### 16:00 - 16:30 Short (3 slide) presentations poster session 2, then poster session (3d floor)

ANDRADE FEIDEN, Juliana; POPOV, Srđan; BASTIAANSE, Roelien. The Role of Conceptual Number: An ERP Study on Pronoun Processing in Brazilian Portuguese.

DEN HOLLANDER, Jakolien; BASTIAANSE, Roelien; JONKERS, Roel. Comparing EMG and voice key responses as indicators for speech onset time in EEG research on speech production

FOSSARD, Marion; WILSON, Maximiliano; LEFEBVRE, Laurent; MONETTA, Laura; RENARD, Antoine; TRAN, Thi Mai; MACOIR, Joël. DTLA - A New Detection Test for Language Impairment in Adults and the Aged

FRANKE, Marina; NEVINS, Andrew; BRUCE, Carolyn; ZIMMERER, Vitor Cesar. Dealing with constraints: Analysis of a visual language devised by a man with fluent aphasia

HEILEMANN, Claudia; ZIMMERER, Vitor C.; VARLEY, Rosemary; BEEKE, Suzanne. "A great deal" versus "a fair deal": Does collocation strength determine processing speed in aphasia?

HÜBNER Lilian Cristine; LOUREIRO Fernanda; SMIDARLE Anderson Dick; RODRIGUES PEDRO Jennifer; MONTICELLI Vitor; TREVISIO Marcos V.; BORGES DOS SANTOS Leandro; PORCELLO SCHILLING Lucas; , LESSA MANSUR Letícia; ALUÍSIO Sandra Maria. Automatically distinguishing Mild Cognitive Impairment, Alzheimer's Disease and education effect in healthy aging in narratives in Brazilian Portuguese.

IVASKÓ, Lívía; TÓTH, Alinka; PETRICH, Ákos; PUSZTA, András; NAGY, Attila; BENEDEK, György. Mismatch negativity and category specificity in Hungarian - an EEG study

ROSELL-CLARI, Vicent; HERNÁNDEZ-SACRISTÁN, Carlos. Language awareness and aphasia assessment: differentiating profiles through the performance of metalinguistic tasks

VUKOVIC, Mile G.; VUKOVIC, Irena. The assessment of verbal fluency in patients with fluent and nonfluent aphasia.

ZANINI, Chiara; FRANZON, Francesca; SEMENZA, Carlo; PERESSOTTI, Francesca; BROTTTO, Silvia; GASTALDON, Simone; ARCARA, Giorgio. The encoding of numerosity in quantification expressions. Insight from an ERP study.

## Wednesday September 13 (UniMail, MS150)

### 9:00-12:00. Invited talks 5&6 : ERPs, MEG & EEG

Riitta SALMELIN (Aalto University, FI) *MEG measures as probes of cortical language function*

10:00-10:30: coffee

Karsten STEINHAEUER (McGill, Canada) *Some DOs and DON'Ts in psycholinguistic and clinical ERP studies*

11:30-12:15: Discussion (Moderator & discussant M. LAGANARO)

### 12:15 – 14:00 Poster Session 3 & Lunch (standing) – 3d floor

#### 12:15 – 12:45 Short (3 slide) presentations poster session 3

AVERINA, Svetlana; DRAGOY, Olga; AKININA, Yulia; BASTIAANSE, Roelien. Dynamic aphasia accompanied by subcortical and insular damage: A single-case study

BONNANS, Caroline; FARGIER, Raphaël; LAGANARO, Marina. Dual-tasks interference in word planning processes in aphasia depends on the underlying impairment.

DE BEER, Carola; HOGREFE, Katharina; DE RUITER, Jan. Speech and gesture production by people with aphasia under varying communicative demands.

D'HONINCTHUN, Peggy; CHARPIE, Christelle; CLARKE, Stéphanie. Restoration of both conceptual knowledge and word form retrieval in a case of semantic dementia in two compared treatments

FARGIER, Raphaël; PELLET-CHENEVAL, Pauline; ASSAL, Frédéric; LAGANARO, Marina. Typicality advantage for exemplars in picture naming and word-picture matching: Evidence from a case study of semantic variant of PPA

FASOLA, Alexia; TELLIER, Marion; ALARIO, François-Xavier; TASSINARI, Carlo Alberto; TREBUCHON, Agnès. Bimodal language in post-ictal aphasia

FOURNET, Maryll; PERNON, Michaela; LOPEZ, Ursula; CATALANO CHIUVÉ, Sabina; LAGANARO, Marina. Bidirectional interference effects in a verbal and non-verbal dual-task paradigm

GRINDROD, Christopher Mark. Verbal Fluency in Aphasia: Temporal Changes in Clustering and Switching

KHODYAKOVA, Mariya V.. Lexical Diversity in Different Types of Aphasia

KUEMMERER, Dorothee; RIJNTJES, Michel; CONTERNO, Martina; MADER, Irina; NITSCHKE, Kai; WEILLER, Cornelius. Phonemic and semantic paraphasias in acute aphasic patients – a voxelwise lesion-behavior mapping study

PELLET CHENEVAL, Pauline; VILLAIN, Marie; GLIZE, Bertrand; LAGANARO, Marina. Phonological cueing in picture naming: first phoneme cohort size effects in healthy and aphasic speakers.

### 14:00 – 15:40 Contributed papers oral session 2

CODE, Chris; HILL, Asti; BLEVINS, Rachael. Revisiting The Public Awareness of Aphasia in Exeter: 15 Years On  
CROOT, Karen; RAISER, Theresa; TAYLOR-RUBIN, Cathleen; RUGGERO, Leanne; ACKL, Nibal; WLASICH, Elisabeth; STRENGLEIN-KRAPF, Gisela; ROMINGER, Axel; DANEK, Adrian; NICKELS, Lyndsey. Long-term treatment of lexical retrieval in Primary Progressive Aphasia

DIGNAM, Jade; COPLAND, David Andrew; KOH, Jing Ting; CRAWFORD, Monica; FARRELL, Anna; BURFEIN, Penni; O'BRIEN, Kate; RODRIGUEZ, Amy. The influence of treatment intensity on anomia therapy outcomes in chronic post-stroke aphasia

DRAGOY, Olga; KUPTSOVA, Svetlana; CANESSA, Nicola; ZINCHENKO, Victoria; STUPINA, Ekaterina; PETRUSHEVSKY, Aleksey; FEDINA, Oksana; CAPPÀ, Stefano. The contribution of corpus callosum to lateralization of the resting state language network

GLIZE, Bertrand; VILLAIN, Marie; LAGANARO, Marina; JOSEPH, Pierre-Alain; GUEHL, Dominique; SIBON, Igor. Motor Evoked Potentials of upper-limbs predict aphasia recovery

### 15:45 – 16:30 : Jürg Schwyter presents : [jürg] (30 min film, English version)

*SYNOPSIS : February 2009, Jürg Schwyter, Professor of Linguistics at the University of Lausanne, suffered a massive stroke and became aphasic. The film [jürg] gives a personal perspective of his fight to reclaim his speech, a place in life and, finally, the return to part-time lecturing at Lausanne University. [jürg] was made by Raphaël Meyer and is being shown at over half a dozen short film festivals; it won the Jury Prize and Audience Prize at the Schweizer Jugendfilmtage in Zürich.*

### 18:00 - 22:00 : Social event (Boat trip and Dinner)

## Thursday September 14 (UniMail, MS150)

### 9:00-12:00. Invited talks 7&8 : TMS

John ROTHWELL (UCL, London, UK) *Is TMS more useful to study mechanisms of aphasia than as a therapy?*

10:00-10:30: coffee

Adrian GUGGISBERG (Geneva University and Hospitals) *The problem of individually variable responses to rTMS: a network perspective"*

11:30-12:15: Discussion (Moderator & discussant R. BASTIAANSE)

### 12:15 – 14:00 Poster Session 4 & Lunch (standing) – 3d floor

#### 12:15 – 12:45 Short (3 slide) presentations poster session 4

AKININA, Yulia; BASTIAANSE, Roelien. Verb and Sentence Test in Russian: a showcase of two people with fluent aphasia

ALMUZAINI, Shams Obaid; ALABDULKARIM, Lamyia; TETTERSALL, Catherine; HERBERT, Ruth. Number and Gender Agreement in Saudi Arabic Agrammatism

ALTAIB, Madhawi Khalid; METEYARD, Lotte; MARINIS, Theo. The Gulf-Arabic Aphasia Screen

FRANZON, Francesca; ZANINI, Chiara; QUADRI, Ilaria; SEMENZA, Carlo. Mass reference and its encoding into language. A preliminary study in aphasia.

KONSTANTINOPOULOU, Polyxeni; STAVRAKAKI, Stavroula; MANOUILIDOU, Christina; ZAFEIRIOU, Dimitrios. Expressive syntactic abilities and verbal short term memory in children with focal brain lesion

LARTEY, Nathaniel; TSIWAH, Frank; BASTIAANSE, Roelien. Characterization of agrammatism in Akan

LEE, Jiyeon; MAN, Grace; FERREIRA, Victor; GRUBERG, Nicholas. Aligning sentence structures in a language game: evidence from healthy aging and aphasia

MEITANIS, Vanessa; TUOMAINEN, Jyrki; VARLEY, Rosemary. Online sentence processing in adults and individuals with aphasia

STRINZEL, Michaela; VERKHODANOVA, Vass; JALVINGH, Fedor; COLER, Matt; JONKERS, Roel. A pilot study on the effects of Parkinson's Disease with and without Mild Cognitive Impairments on vowel articulation in spontaneous speech

TOPS, Wim; NEIJMEIJER, Silke; MARIËN, Peter. Effects of regiolects on the perception of developmental foreign accent syndrome

ZIMMERER, Vitor Cesar; COLEMAN, Michael; HINZEN, Wolfram; VARLEY, Rosemary. Reliance on common word combinations correlates with degree of syntactic impairment in aphasia

### 14:00-17:15 Parallel Workshops

A. TMS-tDCS (Room: UniMail R160)	B: EEG/ERP. (Room: UniMail 4183)
<b>14:00-15:30</b>	
<b>A1. tDCS.</b> Mieke Van De Sandt (Rotterdam, NL)	<b>B1. Recording and pre-analyses (beginners)</b> R. Fargier & M. Cohen (U. Geneva)
<b>15:45-17:15</b>	
<b>A2. TMS.</b> S. Carstens (ANT Neuro Company)	<b>B2. From waveform to microstate analysis (advanced)</b> R. Fargier & M. Cohen (U. Geneva)

Visit our website for further information: <http://www.unige.ch/fapse/SoA2017/>

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### Location

The SoA 2017 conference will take place in the **UniMail** building, at the **University of Geneva**

Faculty of Psychology and Educational Sciences  
Uni Mail  
Boulevard du Pont-d'Arve 40  
1205 Genève

### How to come to Uni Mail by public transport

Trams 15 (stop Uni-Mail)  
Tram 12 (stop Pont d'Arve)  
Bus 1 (stop Pont d'Arve)

For more information on public transports: see  
[www.tpg.ch](http://www.tpg.ch)



The **Social Event** will take place on Wednesday night (September 13th) : boat trip and dinner on the Lake Léman.

See : <http://www.unige.ch/fapse/SoA2017/social-program/>

