Science of Aphasia 2017
Neurotechnology and Language

Geneva, 11-14 September 2017

University of Geneva, UniMail (40. Bd Pont d’Arve)

PROGRAM
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 – 14:40 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 (tDCS) study*

KENDRICK, Luke; ROBSON, Holly; ELLIS, Judi; METEYARD, Lotte. *Measuring executive control abilities in aphasia*

MURTEIRA, Ana Filipa; NICELS, 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*

14:45-16:15 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; BROWNSETT, 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; BROWNSETT, 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, Francoise; 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?*
- **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

- **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; TREVIŠO Marcos V.; BORGES DOS SANTOS Leandro; PORCELLO SCHILLING Lucas; LESSA MANSUR Leticia; ALUÍSIO Sandra Maria.** Automatically distinguishing Mild Cognitive Impairment, Alzheimer's Disease and education effect in healthy aging in narratives in Brazilian Portuguese.
- **IVASKÓ, Lívia; 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; BROTTO, 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 STEINHAUER (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 CHIUVE, 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
KHUDYAKOVA, 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'BIEN, Kate; RODRIGUEZ, Amy. The influence of treatment intensity on anoma therapy outcomes in chronic post-stroke aphasia
DRAGOY, Olga; KUPTSOVA, Svetlana; CANESSA, Nicola; ZINCHENKO, Victoria; STUPINA, Ekaterina; PETRUSHEVSKY, Aleksy; FEDINA, Oksana; CAPPA, 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 Jungendfilmitage 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, Lamya; TETTERSALL, Catherine; HERBERT, Ruth. Number and Gender Agreement in Saudi Arabic Agrammatism

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

CORDALJIA, Nermina; POPOV, Srdjan; GLATZ, Toivo; BASTIAANSE, Roelien. The Processing of Unergative, Unaccusative and Anticausative Verbs: A Cross-Modal Lexical Priming Study

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

LARTY, 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

STRINGIEL, 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; NEUMIEJER, Silke; MARIEN, 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

<table>
<thead>
<tr>
<th>A. TMS-tDCS (Room: UniMail R160)</th>
<th>B: EEG/ERP. (Room: UniMail 4183) R.Fargier &amp; M. Cohen (U. Geneva)</th>
</tr>
</thead>
<tbody>
<tr>
<td>14:00-15:30</td>
<td></td>
</tr>
<tr>
<td>A1. tDCS. Marcus Meinzer (U. Queensland)</td>
<td>B1. Recording and pre-analyses (beginners)</td>
</tr>
<tr>
<td>15:45-17:15</td>
<td></td>
</tr>
<tr>
<td>A2. TMS. S. Carstens (ANT Neuro Company)</td>
<td>B2. From waveform to microstate analysis (advanced)</td>
</tr>
</tbody>
</table>
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.