

The 45th Annual Meeting of the Academy of Aphasia Washington DC 21st – 23rd October 2007

Sunday 21st October

8:00 – 8:30 Registration

8:30 – 10:30 Platform Session 1

Neural bases of language

Chair: Marie-Josèphe Tainturier

1. Syntactic and thematic constraint effects on BOLD signal correlates of comprehension of relative clauses (Caplan, Stanczak & Waters)
2. The Neural Systems Underlying Lexical Competition in Speech Production: Evidence from Aphasia (Apfelbaum, Blumstein & Kittredge)
3. Dissociable Numerosity and Executive Components of Quantifier Knowledge (Troiani, Peelle, Halpern, Clark & Grossman)
4. Who Needs Broca's Area? Comparisons from Lesion and fMRI Methods (Davis, Hillis, Bergey & Ritzl)

10:30 – 11:00 COFFEE BREAK

11:00 – 12:30 Symposium 1

Processing compound words

Chair: Carlo Semenza; Discussant: Gary Libben.

5. Processing compound words: An introduction to the issues (Badecker)
6. Processing of compound words: An MEG study (Fiorentino & Poeppel)
7. The electrophysiological correlates of Noun-Noun compounds (Chiarelli, El Yagoubi, Mondini, Danieli, Perrone, Semenza)
8. The processing of compounds in bilingual aphasia (Jarema, Perlak & Semenza)

12:30 – 2:00 LUNCH

2:00 – 3:30 Poster Session 1

Agrammatism

9. Verb Argument Structure Encoding during Sentence Production in Agrammatic Aphasic Speakers: An Eyetracking Study (Thompson, Dickey, Cho, Lee & Griffin)
10. Online processing of tense and temporality in agrammatic aphasia (Faroqi-Shah, Dickey, Sampson)

11. The importance of verb form-regularity in agrammatism (O'Connor, Obler & Goral)
12. Agrammatic production of verbs and –er nominals: The role of obligatory and optional arguments (Fix & Thompson)
13. Agrammatics' Sensitivity to Inflectional Optionality (Datta, Karthikeyan, Obler, Karanth, & Karpur)
14. When the grammatical principle of agreement is itself restricted in agrammatism (Banreti)
15. The manifestation of agrammatic comprehension in a case of crossed aphasia (Salis & Edwards)

Lateralisation, Right-hemisphere functions

16. Priming of emotional words in the cerebral hemispheres (Abbassi & Baum)
17. Implicature comprehension with and without context after right hemisphere damage (Orjada, Garrett, Harnish, Hoit & Holland)
18. Logical and pragmatic inferencing abilities after left- and right-hemisphere lesions (Hamel & Joannette)
19. Why RHD individuals have more difficulties with direct requests than indirect requests? A theory of mind hypothesis (Champagne-Lavau & Joannette)
20. Hemispheric dynamics during easy and complex phonological processing: An ERP study (Tremblay, Monetta, & Joannette)

Morphology

21. Language-Specific Brain Activation Patterns in the Bilingual Brain: Evidence from Inflectional Processing in a Morphologically Rich vs. Limited Language (Lehtonen, Vorobyev, Soveri, Hugdahl, Tuokkola & Matti Laine)
22. Dissociation of inflectional and derivational morphology in English: Evidence from a Single-Case Study (Hamilton & Coslett)
23. Factors affecting the production of verb inflections in Greek aphasia (Economou, Varlokosta, Protopapas & Kakavoulia)
24. Compound frequency effect in word production: Evidence from anomia (Bi, Han & Shu)
25. Noun-Noun compounds in the access to the Phonological Output Buffer (Mondini, Baronio, Chiarelli, Danieli, El Yagoubi, Perrone, & Semenza)
26. Morphological and syntactic abilities in patients with Alzheimer's disease (Kaprinis & Stavrakaki)

27. The nature of the processing distinction between regular and irregular verbs: Evidence from an English-German bilingual aphasic speaker (Cholin, Goldberg, Bertz, Rapp & Miozzo)

Lexico-syntactic processing

28. Independent Retrieval of Number and Grammatical Gender in Spoken Language Production (Leek, Schiemenz, Roberts, Jones, Thomas, Gathercole & Tainturier)
29. Does real grammatical class effect in word production exist in isolating languages? (Han, Bi, Zhou & Shu)
30. Automatic thematic role priming of related verbs in younger and older adults (Edmonds)
31. Verb production in sentences by patients with nonfluent progressive aphasia (Graham & Rochon)
32. The role of argument structure in the processing of nouns and verbs: an f-MRI study (Collina, Garbin, & Tabossi)
33. Action naming versus verb retrieval in connected speech: evidence from late bilingual Greek-English fluent, anomic aphasic speakers (Kambanaros)
34. Differences in neural processing between nouns and verbs in Chinese: Evidence from EEG (Liu, Hua & Weekes).

3:30 – 5:30 Platform Session 2

Agrammatism

Chair: Lise Menn

35. Frequency and linguistic complexity in agrammatic speech production (Bastiaanse & Bouma)
36. What constrains sentence production in agrammatism? (Burchert, Meißner, Holzinger & De Bleser)
37. Comprehension of canonical and non-canonical structures within and across the verbal and nominal syntax domains in agrammatism (Rausch, Burchert & De Bleser)
38. Neural Signatures of Verb Argument Structure in Agrammatic Aphasic and Age-matched Individuals (Bonakdarpour, Thompson & Fix)

Monday 22nd October

8:30 – 10:30 Symposium 2

Word Concreteness Effects in Aphasia and Neurodegenerative Disease

Chair: Jamie Reilly

39. A unitary semantics account of reverse concreteness effects in semantic dementia (Reilly, Peelle & Grossman)
40. Contrasting effects of semantic priming and interference in processing abstract and concrete words (Crutch & Warrington)
41. A Reverse Concreteness Effect in a Subject with Semantic Dementia (Papagno, Capasso, Zerboni & Miceli)
42. Effects of abstractness on treatment for generative naming deficits in aphasia (Kiran & Abbott)
43. Semantic impairments in naming concrete living and non living objects in patients with Huntington's disease (Almor, Frank & Abramson)

10:30 – 11:00 COFFEE BREAK

11:00 – 12:30 Platform Session 3

Written language disorders

Chair: Matt Goldrick

44. Do reading processes differ in transparent vs. opaque orthographies? A study of acquired dyslexia in Welsh/English bilinguals (Tainturier, Roberts, Schiemenz & Leek)
45. Functional Reorganization Supporting Learning and Maintenance in a case of Phonologic Alexia (Kurland, Cortes, Sperling, Lott, Lacey, Orchinik, Van Meter & Friedman)
46. The Representation of Letter Position: Evidence from Dysgraphia (Fischer-Baum, Rapp & McCloskey)

12:30 – 2:00 ACADEMY LUNCHEON

Keynote speaker: Professor Argye Hillis

Professor of Neurology, The Johns Hopkins University School of Medicine

Acute Aphasia: A Window on Localization of Neural Function and Dysfunction

2:00 – 3:30 Poster Session 2

Dyslexia/dysgraphia

47. Dissociable effects of grammatical class in acquired dysgraphia: Evidence from Spanish (Wilson, Martinez-Cuitiño, Defior & Weekes)
48. Perseveration of Letter Doubling without Perseveration of Letter Identity (Rapp, Fischer-Baum & Pastor)
49. Age-of-acquisition effects on reading aloud in two Chinese dyslexic individuals (Law, Yeung, Wong & Weekes)
50. Acquired dyslexia in Mongolian (Weekes, Klingebiel, Su, Zhang, Q., Zhang, X., & Yin)

51. Effects of Frequency and Semantic Radical Combinability on Reading in Chinese: An ERP study (Su & Weekes)
52. Dysgraphia following focal lesions: Implications for models of writing (Balasubramanian & Chernela)
53. Multiple Oral Re-reading Treatment for Alexia: It Works, But Why? (Lacey, Lott, Sperling, Snider & Friedman)
54. Oral reading in Korean semantic dementia (Baik & Jeong)

Speech production, phonology

55. Effects of speech rate on phonological sequencing errors in aphasia (Fossett & McNeil)
56. Phonological relatedness between target and error in neologistic productions (Bose, Raza & Buchanan)
57. Interpreting Speech Errors in Aphasia (Gordon)
58. Electrophysiological estimates of the time course of orthographic and metrical encoding in Chinese speech production (Zhang, Q., Weekes, Yang)
59. Sentence size and syllable timing in aphasia (Seddoh)
60. Productions of Stops and Glides by Individuals with Parkinson's disease (Gabbert-Downs, Garst, Dewey & Katz)

Naming and lexical access

61. Further evidence for a post-selection inhibitory mechanism in lexical retrieval (Crowther & R. Martin)
62. Omissions in aphasic picture naming: Late age-of-acquisition is the culprit, not low semantic density (Kittredge, Dell & Schwartz)
63. Patterns of brain volume loss associated with letter-guided and semantically-guided category naming (Anderson)
64. Lexical Competition Effects in Two Cases of Non-Fluent Aphasia (Cameron-Jones & Wilshire)
65. Effect of typicality of ad hoc categories in lexical access (Sebastian & Kiran)
66. Electrophysiological Evidence of Lexical Access Disruptions (Neumann, Obler, Shafer & Gomes)

Lexico-semantic processing

67. Semantically-based recurrent perseverations in a subject with selective damage to biological category knowledge (Carnevale, Zampetti, Capasso & Miceli)
68. Semantic processing of words in the aging brain: a Near-Infrared Spectroscopy (NIRS) study (Kahlaoui, Vlasblom, Lesage & Senhadji, Benali & Joannette)
69. The Neural Correlates of Abstract Versus Concrete Words: Evidence from an rTMS Study (Romero Lauro, Pisoni, Zerboni & Papagno)
70. Clarifying further the ambiguity advantage effect in word recognition: Effects of aging and left-hemisphere damage on the processing of homonymy and polysemy (Klepousniotou & Baum)
71. Distinct activation patterns for accurate vs. inaccurate naming of actions and objects: An fMRI study with stroke patients with chronic aphasia (Postman-Caucheteux, Hoffman, Picchioni, McArdle, Birn & Braun)
72. Negative Priming in Aphasia (Bartels-Tobin & Hinckley)
73. Free Association in Semantic Dementia: The Importance of Being Abstract (Vesely, Bonner, Reilly & Grossman)
74. Brain areas underlying retrieval of nouns and verbs: Grammatical class and task demand effects (Berlingeri, Crepaldi, Roberti, Scialfa, Luzzatti & Paulesu)
75. Naming actions and objects in bilingual aphasia: a multiple case study (Poncelet, Majerus, Raman, Warginaire & Weekes)

3:30 – 5:30 Platform Session 4

Phonological processes and disorders

Chair: Hugh Buckingham

76. Investigating the phonemic categorization capacity of the right hemisphere: A case study (Wolmetz, Rapp & Poeppel)
77. Evidence for morpho-phonological processes in spoken production (Goldberg, Cholin, Bertz, Rapp & Miozzo)
78. Cognitive constraints on distributed neural representations: Insights from connectionist networks (Goldrick)
79. Recovery in deep dysphasia: A model-based approach (Huber, Ablinger & Abel)

Tuesday 23rd October

8:30 – 10:30 Symposium 3

Competition, interference, and cognitive control in aphasic language processing

Chair: Myrna Schwartz

80. Symposium Overview (Schwartz)

81. Impaired vs. Preserved Inhibitory Processes in a Patient with a Semantic Short-Term Memory Deficit (Martin, R., Vuong & Hull)
82. Regulatory functions of prefrontal cortex during single word production (Thompson-Schill, Schnur, Hirshorn, Schwartz & Kimberg)
83. The Temporal Analysis of Semantic Perseverations in Blocked-Cyclic Naming (Lee, Schnur, Schwartz)
84. Cumulative semantic interference as learning (Oppenheim, Dell & Schwartz)

10:30 –11:00 COFFEE BREAK

11:00 –12:30 Platform Session 5

Language disorders in Alzheimer's disease

Chair: Evy Visch-Brink

85. Event-related potential measures of lexical activation in Alzheimer's disease (Taler & Phillips)
86. Categorizing Novel Tools versus Novel Animals in Alzheimer's Disease (Koenig, Smith, Moore & Grossman)
87. The decline of narrative discourse in Alzheimer's disease (Ash, Moore, Vesely & Grossman)

12:30 – 2:00 LUNCH

2:00– 3:30 Poster Session 3

Language, memory and cognition

88. Effects of lexical processing on primacy effects in repetition of words and nonwords: Evidence from Aphasia (N. Martin & Bunta)
89. Evidence for a further fractionation of the verbal STM system: Selective impairments for item and serial order retention capacities in STM patients (Majerus, Metz-Lutz, Van der Kaa, Van der Linden & Poncelet)
90. Effects of memory load on two measures of semantic knowledge (Kohen, N. Martin, Kalinyak-Fliszar, Bunta & Dimarco)
91. The contribution of cognitive mechanisms to verb production in Dutch speaking Parkinson's disease patients (Colman, Koerts, van Beilen, Leenders, Post & Bastiaanse)
92. An Investigation of Lexical-Semantic Access and Decay for a Patient with a Semantic Short-Term Memory Deficit (Hong & R. Martin)

Assessment

93. Consistency in computerised and standard testing in aphasia and healthy controls (Edwards)
94. Cognitive Assessment and Aphasia Severity (Hinckley & Nash)
95. Developing a Scale for Assessing Quality of Metaphor Interpretation by Right Hemisphere Damaged Patients (Brownell, Lundgren, Cayer-Meade, Nichols, Caddick & Spitzer)
96. Examining effective communication strategies used by formal caregivers when interacting with Alzheimer's disease residents during an activity of daily living (ADL) (Wilson, Rochon, Mihailidis, Leonard, Lim & Cole)
97. A Pictorial, Binary-Sorting System Allowing "Self-Determination" Despite Aphasia (Helm-Estabrooks, Haley & Womack)

Recovery and treatment

98. Cross-language treatment generalization: A case of trilingual aphasia (Goral, Levy & Kastl)
99. Errorless re-training in Semantic Dementia Using MossTalk Words (Jokel, Cupit, Rochon, & Graham)
100. Predicting effects of computer-based intervention on structure and content of aphasic patients' spoken production (McCall, Linebarger & Berndt)
101. Training Theory of Mind following right hemisphere damage: A pilot study (Lundgren, Brownell, Cayer-Meade, Spitzer)
102. "Time is on my side": From chronic global aphasia to mild residual language processing difficulties - A case study of 'recovery' of language functions (Stark & Pons)
103. Treatment of an Individual with Aphasia and Apraxia of Speech using EMA Visually-Augmented Feedback (Katz, Garst, Carter, McNeil, Fossett, Doyle & Szuminsky)
104. Transition of errors in response to implicit treatment in apraxia: An acoustic analysis (Chand, Orgun, Davis, Farias & Baynes)
105. Spoken-language enhancement with SentenceShaper To Go, a portable AAC system based upon processing support (Bartlett, Schwartz, Fink, Lowery & Linebarger)
106. Effects of Gesture and Semantic-Phonologic Treatments for Noun Retrieval in Aphasia (Raymer, Kohen, Blonder, Douglas, Sembrat, & Rothi)
107. Unravelling the effects of single-pulse transcranial magnetic stimulation (sTMS) on word retrieval: Back to square one? (Whelan, Murdoch, Lloyd, Copland, Riek, Carson, Darnell & Barwood)

108. Effects of on-line kinematic feedback treatment for apraxia of speech (McNeil, Fossett, Katz, Garst, Carter, Szuminsky & Doyle).

Discourse

109. Discourse Impairment in Corticobasal Degeneration (Goldmann Gross, Ash & Grossman)
110. Discourse comprehension in successful aging: a NIRS study (Scherer, Ska, Giroux, Lesage, Senhadji, Marcotte, Tomitch, Benali & Joannette)
111. Assigning prominence to information through narrative evaluation: The effects of aphasia severity (Olness & Stewart)
112. Text comprehension and eye movements after aphasia recovery (Chesneau, Joannette & Ska)
113. Cinderella, Cinderella! – Longitudinal Analysis of Qualitative and Quantitative Aspects of Seven Tellings of Cinderella by a Broca's Aphasic (Stark & Viola)

Miscellaneous

114. Mild Traumatic Brain Injury (mTBI) and Language in Childhood: Pre- and Post-Injury Trends (Docking & Murdoch)
115. Patterns of Paraphasic Errors in a Visual-gestural Language (Pickell, Klima, Bellugi & Hickok)
116. Is There an Impairment of Language-Specific Attentional Processing in Aphasia? (Hula, McNeil & Sung)
117. Primary Progressive Aphasia and Alzheimer's Dementia: Evolution, pathology and type of language impairment (Luzzatti, Papagno, Pegoraro, Moroni & Spotti)

3:30 – 5:00 Platform Session 6

Aphasia assessment and treatment

Chair: Ana Ines Ansaldo

118. Social validation: Examining its sensitivity and the factors that influence raters' judgments (Cupit, Leonard, Rochon & Laird)
119. Improving Conversational Script Production in Aphasia with Virtual Therapist Computer Treatment Software (Cherney, Halper, Holland, Lee, Babbitt & Cole)
120. Overt Naming fMRI Pre- and Post-TMS: Two Nonfluent Aphasia Patients, with and without Improved Naming Post-TMS (Martin, P., Naeser, Ho, Doron, Kurland, Kaplan, Wang, Nicholas, Baker, Fregni & Pascual-Leone)

5:00 Close of Conference