

53rd Annual Meeting of the Academy of Aphasia Tucson, Arizona

Saturday, October 17th

2:00-6:00 Registration

Sunday, October 18th

8:00-9:00 Breakfast & Registration

9:00-11:00 Platform Session 1: Processes of Word Production

11:00-11:30 Coffee Break

11:30-1:00 Platform Session 2: Functional Connectivity and Neuroplasticity

1:00-2:30 Box Lunch

Special Event: An Hour with Audrey Holland – for those new to the field

2:30-4:30 Symposium 1: Neural Correlates of Recovery and Rehabilitation

4:30-6:00 Coffee Break & Poster Session 1

6:00-7:45 Business Meeting

Monday, October 19th

8:00-9:00 Breakfast

9:00-11:00 Platform Session 3: Lesion-Symptom Mapping; Primary Progressive Aphasia

11:00-11:30 Coffee Break

11:30-1:30 Symposium 2: The Rise of Big-Data in Aphasiology: An Opportunity for Theory Development

1:30-2:30 Box Lunch

2:30-4:00 Poster Session 2

4:00-4:30 Coffee Break

4:30-5:30 Distinguished Invited Speaker: Prof. Marta Kutas

5:45-8:00 Reception

Tuesday, October 20th

8:30-10:00 Breakfast & Poster Session 3

10:00-12:00 Platform Session 4: Sentence Processing and Idiom Processing

12:00-1:00 Box Lunch

1:00-3:00 Platform Session 5: Memory, Attention, and Bilingualism

3:00-3:30 Student Award & Concluding Remarks

DETAILED SCIENTIFIC PROGRAM

Sunday, October 18th

9:00 am - 11:00 am

Platform Session 1: Processes of Word Production

- 1. Syllabic complexity effects in phonological speech errors: The role of articulatory-phonetic impairment**
Myrna F. Schwartz, Cristina Romani, Danielle Brown and Adelyn Brecher
- 2. Identifying and treating phonological and motor errors in acquired speech impairment**
Adam Buchwald and Michele Miozzo
- 3. Spatio-temporal dynamics of word selection in speech production: Insights from electrocorticography**
Stephanie K. Ries, Rummit K. Dhillon, Alex D. Clarke, David King-Stephen, Kenneth D. Laxer, Peter Weber, Rachel Kuperman, Kurtis I. Auguste, Peter Brunner, Gerwin Schalk, Jack J. Lin, Josef Parvizi, Nathan E. Crone, Nina F. Dronkers and Robert T. Knight
- 4. Towards a theory of learning for naming rehabilitation: Retrieval practice, retrieval effort, and spacing effects**
Erica Middleton and Hilary Traut

11:30 am - 1:00 pm

Platform Session 2: Functional Connectivity and Neuroplasticity

- 5. Resting-state functional connectivity of orthographic networks in acquired dysgraphia**
Gali Ellenblum, Jeremy J. Purcell and Brenda Rapp
- 6. Functional reorganization of the large-scale brain networks that support high-level cognition following brain damage in aphasia**
Idan A. Blank, Sofia V. Rohrer, Swathi Kiran and Evelina Fedorenko
- 7. Plasticity of cognitive functions before and after awake brain tumor surgery**
Djaina Satoer, Elke De Witte, Roelien Bastiaanse, Arnaud Vincent, Peter Mariën and Evy Visch-Brink

1:00 pm – 2:30 pm

Special Event: An Hour with Audrey Holland – for those new to the field

2:30 pm - 4:30 pm

Symposium 1: Neural Correlates of Recovery and Rehabilitation

8. Exploring the neural substrates of phonological recovery

Pelagie M. Beeson, Kindle Rising, Andrew T. DeMarco and Steven Z. Rapcsak

9. Does linguistic ability impact nonlinguistic learning? The neural bases of nonlinguistic learning in aphasia

Sofia Vallila-Rohter, Idan A. Blank, Evelina Fedorenko and Swathi Kiran

10. Neural correlates of longitudinal recovery of naming in stroke

Rajani Sebastian, Charltien Long, Jeremy Purcell, David Race, Cameron Davis, Joseph Posner and Argye Hillis

11. Effects of different language and tDCS interventions in PPA and their neural correlates

Kyrana Tsapkini, Tushar Chakravarty, Yenny Webb Vargas, Martin A. Lindquist, Constantine E. Frangakis and Argye Hillis

4:30 pm - 6:00 pm

Poster Session 1

12. What causes the processing advantage in the comprehension of German object relative clauses?

Anne Adelt, Romy Lassotta, Flavia Adani, Nicole Stadie and Frank Burchert

13. Investigating the role of linguistic and attentional processes in lexicality judgements in Alzheimer's disease

Nancy Azevedo, Eva Kehayia, Ruth Ann Atchley and Vasavan N. Nair

14. Preserved cumulative semantic interference despite amnesia

Gary M. Oppenheim, Marie-Josephe Tainturier and Polly Barr

- 15. Grammatical production deficits in PPA: Relating narrative and structured task performance**
Elena Barbieri, Jennifer E. Mack, Sarah Chandler, M.-Marsel Mesulam and Cynthia Thompson
- 16. Verb morphology impairment in a bilingual speaker with non-fluent aphasia**
Katy Borodkin and Mira Goral
- 17. Cognitive outcome after awake surgery for left and right hemisphere tumours**
Elke De Witte, Djaina Satoer, Evy Visch-Brink and Peter Mariën
- 18. A comparison of processing load during non-verbal decision-making in two individuals with aphasia**
Salima Suleman, Esther S. Kim and Tammy Hopper
- 19. Grammatical category mediates the bilingual disadvantage in word retrieval**
Yasmeen Farooqi-Shah and Lisa Milman
- 20. Production of subject-verb agreement, tense, mood, and negation in Italian agrammatic aphasia**
Valantis Fyndanis, Carlo Semenza, Rita Capasso, Marialuisa Gandolfi, Serena De Pellegrin, Giorgio Arcara, Francesca Burgio, Anna Maculan, Nicola Smania and Gabriele Miceli
- 21. Using lexical variables to predict picture-naming errors in jargon aphasia**
Catherine Godbold, Lotte Meteyard, Carmel Houston-Price and Arpita Bose
- 22. Prediction of arguments and adjuncts in aphasia: Effects of event-related and verb-specific knowledge**
Rebecca A. Hayes, Michael W. Dickey and Tessa Warren
- 23. Structural prediction in aphasia**
Chia-Ming Lei, Tessa Warren and Michael W. Dickey
- 24. Phonological rehabilitation in acquired aphasia**
Claudio Luzzatti, Alessandra L. Molinari, Maria Ester Zanobio and Gabriella Rizzi
- 25. The neural basis of learning to spell again: An fMRI study of spelling training in acquired dysgraphia.**
Jeremy Purcell and Brenda Rapp
- 26. Do morphophonological rules impact both regular and irregular verb inflection? Evidence from acquired morphological impairment**
Stacey Rimikis and Adam Buchwald
- 27. Examining durability and generalization following lexical retrieval treatment in an individual with semantic variant of primary progressive aphasia**
Kindle Rising and Pelagie M. Beeson

- 28. What do pause patterns in non-fluent aphasia tell us about monitoring speech? A study of morpho-syntactic complexity, accuracy and fluency in agrammatic sentence and connected discourse production**

Halima Sahraoui, Julie Maclair, Lorraine Baqué and Jean-Luc Nespoulous

- 29. Jargon in reading aloud sparing Arabic digits but not number words**

Carlo Semenza, Martina Garzon, Laura Passarini, Francesca Meneghello and Alina Menichelli

- 30. Language-specific effects on story and procedural narrative tasks between Korean-speaking and English-speaking individuals with aphasia**

Soo Eun Lee, Jee Eun Sung, Woon Jeong Kim and Kyeong Ok Mo

- 31. Verb representations are closely associated with syntactic constructions in sentence production: Evidence from aphasic patients with short-term memory deficits**

Hao Yan, Randi C. Martin and L. Robert Slevc

- 32. Electrophysiology of sentence processing in aphasia: Prosodic cues and thematic fit**

Shannon M. Sheppard, Katherine J. Midgley, Tracy Love, Dorothy Yang, Phillip J. Holcomb and Lewis P. Shapiro

Monday, October 19th

9:00 am - 11:00 am

Platform Session 3: Lesion-Symptom Mapping; Primary Progressive Aphasia

- 33. Integrating lesion-symptom mapping with other methods to investigate language networks and aphasia recovery**

Peter E. Turkeltaub

- 34. A supervised framework for lesion segmentation and automated VLSM analyses in left hemispheric stroke**

Dorian Pustina, Branch Coslett, Myrna F. Schwartz and Brian Avants

- 35. Neural correlates of successful and unsuccessful syntactic processing in primary progressive aphasia**

Stephen M. Wilson, Andrew T. DeMarco, Maya L. Henry, Benno Gesierich, Miranda Babiak, Bruce L. Miller and Maria Luisa Gorno-Tempini

- 36. Online sentence comprehension in PPA: Verb-based integration and prediction**

Jennifer E. Mack, Stephanie Gutierrez, M.-Marsel Mesulam and Cynthia Thompson

11:30 am - 1:30 pm

**Symposium 2: The Rise of Big-Data in Aphasiology:
An Opportunity for Theory Development**

37. Analysis of AphasiaBank data

Brian Macwhinney

38. Testing the “division of labor hypothesis” of aphasic verb production using big-data

Julia Thorne and Yasmeeen Farooqi-Shah

39. Verb argument structure in narrative speech: Mining the AphasiaBank

Dirk B. Den Ouden, Svetlana Malyutina and Jessica D. Richardson

40. Using big-data to validate theories of rehabilitation in aphasia

Swathi Kiran and Carrie A. Des Roches

2:30 pm - 4:00 pm

Poster Session 2

41. Semantic feature analysis (SFA) in the treatment of naming deficits: Evidence from a Malay speaker with non-fluent aphasia

Mohd Azmarul A Aziz and Rogayah A Razak

42. Semantic feature verification: Adults with stroke-aphasia and neurologically-healthy adults

Sharon M. Antonucci

43. Patterns of orthographic working memory impairments in acquired dysgraphia in adults: A case series analysis

Venugopal Balasubramanian, Maha A. Aldera and Maureen Costello

44. Eyetracking reveals aberrant visual search during confrontation naming of Alzheimer’s disease and primary progressive aphasia

Ashley Bauer, Jinyi Hung, Murray Grossman and Jamie Reilly

45. The intractability of non-word production difficulties in jargon aphasia: Insights from therapy

Arpita Bose, Fiona Höbler, Catherine Godbold and Doug Saddy

46. The role of executive function in the semantic comprehension deficits of stroke aphasia and semantic dementia

Curtiss Chapman and Randi Martin

47. Investigating the possibility of a syntactic impairment in the semantic variant of PPA using a constrained production task: Preliminary findings

Jennifer Cupit, Carol Leonard, Naida Graham, Bruna Seixas Lima, David Tang-Wai, Sandra Black and Elizabeth Rochon

48. Whole-word response scoring underestimates functional spelling ability for some individuals with global aphasia

Andrew T. Demarco, Kindle Rising, Christine Shultz, Chelsea Bayley and Pelagie M. Beeson

49. The cognate advantage in bilingual aphasia: Now you see it, now you don't

Emma Hughes and Marie-Josephe Tainturier

50. Please don't stop the music: Song completion in patients with aphasia

Anna V. Kasdan, Matthew Vera and Swathi Kiran

51. The feasibility of using pupillometry to measure cognitive effort in aphasia: Evidence from a working memory span task

Esther S. Kim and Salima Suleman

52. Treatment-induced neuroplasticity following intensive speech therapy and a home practice program in fifteen cases of chronic aphasia

Jacquie Kurland, Polly Stokes and Thomas Zeffiro

53. Neural correlates of individual differences in processing of rising tones in Cantonese: Implications for speech perception and production

Sampo Law and Jinghua Ou

54. Effects of aging, aphasia, and Parkinson's disease on the time course of lemma selection during sentence production: Evidence from eyetracking

Jiyeon Lee

55. Measuring prosodic deficits in oral discourse by speakers with fluent aphasia

Tan Lee, Anthony Pak Hin Kong and Wang-Kong Lam

56. Spontaneous speech: Quantifying daily communication in Spanish-speaking individuals with aphasia

Silvia Martínez-Ferreiro, Elena Vares González and Roelien Bastiaanse

57. Implicit learning and its role in treatment of sentence deficits in aphasia

Julia Schuchard, Michaela Nerantzini and Cynthia Thompson

58. Deficits in processing case markers in individuals with aphasia

Jee Eun Sung, Kwi Hyun Jeong, Yeo Reum Sim, Soo Eun Lee and Kyeong Ok Mo

59. Autobiographical memories in testimonies of WWII veterans with dementia

Hanna K. Ulatowska, Tricia Olea Santos and Diane Garst Walsh

60. Exploring the impact of laterality and polarity of tDCS on therapy for post-stroke anomia: A case study

Anna M. Woollams, Margaret Sandars and Lauren L. Cloutman

61. Acute ischemic lesions associated with impairments in expression and recognition of affective prosody

Amy E. Wright, Donna Tippet, Cameron Davis, Yessenia Gomez, Joseph Posner, Christopher Rorden and Argye Hillis

4:30 pm - 5:30 pm

Distinguished Invited Speaker: Prof. Marta Kutas

What event-related brain potential (ERP) data say about the human language processing system

Tuesday, October 20th

8:30 am - 10:00 am

Poster Session 3

62. Implications of subcortical structures in aphasia

Saleh Alamri, Elizabeth Q Zhang, Constantina Theofanopoulou, Gonzalo Castillo, Edward R Shi, Pedro T. Martins, Silvia Martínez Ferreiro and Cedric Boeckx

63. Feasibility of a novel treatment of abstract verbs in aphasia and apraxia of speech

Dallin J. Bailey, Kiera Berggren, Christina Nessler and Julie Wambaugh

64. Written cognate treatment in a Welsh-English bilingual aphasic patient

Polly Barr, Marie-Joséphine Tainturier, Britta Biedermann and Lyndsey A. Nickels

65. Corpus-based transitivity biases in individuals with aphasia

Jennifer DiLallo, Heidi Mettler and Gayle DeDe

66. Comparison of dysgraphia impairments across writing-by-hand and two keyboard modalities

Lisa A. Edmonds, Jodi Morgan, Jessica A. Obermeyer and Russell Addeo

67. Consistency of repeated naming in aphasia

Elizabeth E. Galletta and Mira Goral

68. Phonotactic awareness deficit following left-hemisphere stroke

Maryam Ghaleh, Elizabeth Lacey, Katherine Spiegel, Iain DeWitt, Mackenzie Fama and Peter E. Turkeltaub

69. Developing auditory comprehension subtests of the Russian Aphasia Test

Maria Ivanova, Olga Dragoy, Yulia Akinina, Ekaterina Iskra, Olga Soloukhina, Anastasia Kobzeva, Mariya Khudyakova, Anna Chrabaszcz and Tatiana Akhutina

70. An investigation of the use of co-verbal gestures in oral discourse among Chinese speakers with fluent versus non-fluent aphasia and healthy adults

Anthony Pak Hin Kong, Sampo Law and Gigi Wan-Chi Chak

71. Effectiveness of technologies in the treatment of post-stroke anomia: A systematic review

Monica Lavoie, Joël Macoir and Nathalie Bier

72. Selecting a phoneme-to-grapheme mapping: Random or weighted selection?

Binna Lee and Adam Buchwald

73. Remediation of anomia in lvPPA and svPPA

Aaron Meyer, Melissa Newhart, R. Scott Turner and Rhonda Friedman

74. Modality differences between written and spoken story retelling in healthy older adults

Jessica A. Obermeyer and Lisa A. Edmonds

75. What picture descriptions can reveal about disordered communication and the brain

Kumiko Oishi, Daniel Agis, Kenichi Oishi, Joey Posner, Cameron Davis, Eun H. Kim, Rajani Sebastian, Donna Tippet and Argye Hillis

76. A novel approach for the analysis of treatment effects and training schedules in acquired dysgraphia.

Jennifer Shea, Robert Wiley, Gali Ellenblum, Donna Gotsch and Brenda Rapp

77. Thresholds of visibility for masked lexical, non-lexical, and non-linguistic items in aphasia

JoAnn P. Silkes and Rebecca Chao

78. Transcortical motor aphasia in recovery: A case report

Jacqueline Stark

79. Support vector regression-based multivariate lesion symptom mapping

Ze Wang

80. Rapid recovery from aphasia after infarction of Wernicke's area

Stephanie Yagata, Melodie Yen, Angelica McCarron, Alexa Bautista, Genevieve Lamair-Orosco and Stephen M. Wilson

81. The Taiwanese Mandarin Linguistic Communication Measure (TM-LCM): An adaptation study for quantifying discourse produced by healthy individuals and speakers with aphasia in Taiwan

Chun-Chih Yeh and Anthony Pak Hin Kong

82. A Dynamic information about letter production influences visual letter perception: Evidence from an acquired letter recognition deficit

Caroline Reilhac, Teresa Schubert and Michael McCloskey

10:00 am - 12:00 pm

Platform Session 4: Sentence Processing and Idiom Processing

83. Verb-based anticipatory processing in aphasia

Michael W. Dickey, Tessa Warren, Evelyn A. Milburn, Rebecca A. Hayes and Chia-Ming Lei

84. Damage to Broca's area OR the anterior temporal lobe is implicated in stroke-induced agrammatic comprehension: It depends on the task

Corianne Rogalsky, Arianna LaCroix, Kuan-Hua Chen, Steven W. Anderson, Hanna Damasio, Tracy Love and Greg Hickok

85. Fast self paced listening times in syntactic comprehension in aphasia -- implications for deficits

David Caplan, Jennifer Michaud and Gloria Waters

86. Effects of familiarity, context, and abstract representations on idiom processing in aphasia

Evelyn A. Milburn, Tessa Warren and Michael W. Dickey

1:00 pm - 3:00 pm

Platform Session 5: Memory, Attention, and Bilingualism

87. Now you are with me, now you are not: Between-session and within-session intra-individual variability in attention in aphasia

Sarah Villard and Swathi Kiran

88. Evaluating proposed dorsal and ventral route functions in speech perception and phonological short-term memory: Evidence from aphasia

Heather R. Dial and Randi Martin

89. Selection demands and working memory mediate interference during naming

Julie W. Hughes and Tatiana T. Schnur

90. Bilingual aphasia: Language matters

Brendan Weekes

3:00 pm - 3:30 pm

Student Award & Concluding Remarks