The Fifth Annual Meeting of the Society for the Neurobiology of Language

November 6-8, 2013
San Diego, California

SNL 2013

www.neurolang.org

Program

Welcome to SNL 2013, San Diego, California

Welcome to the 5th Annual Meeting of the Society for the Neurobiology of Language. You may have noticed that this year the meeting, formerly known as the Neurobiology of Language Conference, has been officially renamed to recognize the continued growth and vitality of SNL as an independent society. SNL in turn reflects the dramatic growth in neurobiological research on basic language mechanisms that has occurred over the past few decades, and the need for an organization dedicated to sharing and integrating this knowledge. SNL is indebted to Steve Small and Pascale Tremblay, who presciently recognized this need and organized the first NLC in 2009. The results were overwhelmingly positive, and SNL became a non-profit incorporated entity in 2010. Membership continues to grow, this year reaching nearly 600. For this year's meeting there were 382 abstract submissions, a 30% increase over last year.

As our fledgling society continues to develop, we need your input to ensure that the meeting is what you want it to be. A major change requested by attendees and instituted this year is an increase in the length of the meeting to two and a half days. This has allowed additional poster and slide sessions and a third keynote address. Following the success of last year's meeting in San Sebastián and favorable input from the membership, the SNL Board has decided to continue the pattern of alternating meetings between North America and Europe. Membership feedback has had a profound impact on the content of this year's meeting, and content of the keynote addresses and debate sessions is a topic of ongoing active discussion. Please attend the open business meeting on Wednesday at 5:45 pm to discuss these and other issues concerning the future of SNL.

Organizing the SNL annual meeting is a huge undertaking, made possible by the combined work of the Board of Directors, the Program Committee, the Nominating Committee, Society Officers, and our meeting planner, Shauney Wilson. Please join me in expressing a sincere thanks to them all. Thanks are also due once again to Steve Small and Greg Hickok for securing support from the NIDCD in the form of an education grant, and to the NIDCD for this award. A profound thank you also goes to the many abstract reviewers who generously gave their time to ensure a high quality of scientific content at the poster and slide sessions.

Finally, the Board thanks all SNL members and meeting attendees for making the Society possible. It goes without saying that you are the reason SNL was formed and will flourish. Please join as a member if you haven't done so, please nominate officers and vote for them, and please submit abstracts for posters and talks. Word of mouth is the best advertising, and we appreciate your spreading the news. SNL is for you, and it will be what you make it.

On behalf of the SNL Board, welcome to San Diego! We hope you have an inspiring and rewarding meeting.

Jeff Binder
Chair, Society for the Neurobiology of Language

TABLE OF CONTENTS

Welcome 1
SNL 2013 Review Committee 2
SNL Directors and Committees 3
Schedule of Events 4
Abstract Merit Awards 5
Travel Awards 5
Keynote Lectures 6
Thursday Discussion Panel 8
Friday Discussion Panel 9
General Information 10
Slide Sessions 12
Poster Schedule 14
Poster Sessions 15
Poster Session A 15
Poster Session B 19
Poster Session C 23
Poster Session D 27
Poster Session E 32
Author Index 37
Hotel Floor Plan 43

SNL 2013 Review Committee

Jubin Abutalebi
Daniel Acheson
Patti Adank
Amit Almor
Lisa Aziz-Zadeh
Juliana Baldo
Shari Baum
Michael Beauchamp
Pascal Belin
Alexandra Bendixen
Madison Berl
Tali Bitan
Sheila Blumstein
DJ Bolger
Ina Bornkessel-Schlesewsky
Heather Bortfeld
Mirjana Bozic
Jonathan Brennan
Sonia Brownsett
Bradley Buchsbaum
Laurel Buxbaum
Pablo Campo
Stefano Cappa
Manuel Carreiras
Edward Chang
Anjan Chatterjee
Christine Chiarello
Lisa Conant
David Corina
H. Branch Coslett
Seana Coulson
Sarah Creel
Ruth de Diego-Balaguer
Greig de Zubicaray
Ghislaine Dehaene-Lambertz
Dirk-Bart den Ouden
Rutvik Desai
Joe Devlin
Michele Diaz
Fred Dick
Anthony Dick
Melissa Duff
Jon Dunabeitia
Marianna Eddy
Guinevere Eden
Julia Evans
Zohar Eviatar
Miriam Faust
Evelina Fedorenko
Leonardo Fernandino
Fernanda Ferreira
Vic Ferreira
Evelyn Ferstl
Julie Fiez
Robert Fiorentino
Gwen Frishkoff
Alison Gabriele
Susan Garnsey
Brian Gold
David Gow
Yosef Grodzinsky
Murray Grossman
Thomas Gunter
Uri Hasson
Olaf Hauk
Stefan Heim
Maya Henry
Julia Hocking
Paul Hoffman
Anna Holt
John Houde
Colin Humphries
Matt Husband
Peter Indefrey
Marc Joanisse
Ingrid Johnsrude
Irene Kan
Al Kim
Denise Klein
Pia Knoeferle
Sonja Kotz
Dorothee Kuemmerer
Gina Kuperberg
Marta Kutas
Vicky Lai
Matthew Lambon-Ralph
Ellen Lau
Adrian Lee
Christiana Leonard
Einat Liebenthal
Frederique Liegois
Mia Liljeström
Angelika Lingnau
Gary Lupyan
Mairead MacSweeney
Brad Mahon
Alec Marantz
Karine Marcotte
Andrea Martin
Alex Martin
Randi Martin
Corey McMillan
Gabriele Miceli
Dan Mirman
Maria Mody
Nicola Molinaro
Philip Monahan
Dana Moser
Riikka Mottonen
Emily Myers
Srikantan Nagarajan
Mante Nieuwland
Caroline Niziolek
Jared Novick
Howard Nusbaum
Jonas Obleser
Helmuth Obrig
Lee Osterhout
Jonathan Peelle
Colin Phillips
Chantel Prat
Liina Pylkkänen
Kathy Rastle
Fabio Richlan
Jennifer Rodd
Corianne Rogalsky
Sonja Rossi
Jay Rueckl
Daniela Sammler
Ana Sanjuan
Andrea Santi
Katharina Sass
Mathias Scharinger
Niels Schiller
Matthias Schlesewsky
Tatiana Schnur
Katrien Segaert
Mohamed Seghier
Yury Shtyrov
Linnaea Stockall
Tamara Swaab
Diane Swick
Marcin Szwed
Li-Hai Tan
Jo Taylor
Marco Tettamanti
Cynthia Thompson
Malathi Thothathiri
Pascale Tremblay
John Trueswell
Peter Turkeltaub
And Turken
Lorraine Tyler
Julia Udden
Taiji Ueno
Kenny Vaden
Rik Vandenberghe
Jennifer Vannest
Jonathan Venezia
David Vinson
Jean Vroomen
Michael Walsh-Dickey
Jane Warren
Kate Watkins
Nicole Wicha
Roel Willems
Stephen Wilson
Zoe Woodhead
Anna Woollams
Ying Wu
Ming Xiang
Jie Yang
Robert Zatorre

SNL Directors and Committees

2013 Board of Directors

Chair: Jeffrey Binder, M.D.,
Medical College of Wisconsin, US

Treasurer: Sharon Thompson-Schill, Ph.D.,
University of Pennsylvania, US

Secretary: Joe Devlin, Ph.D.,
University College London, UK

Meeting Liaison: Ellen Lau, Ph.D.,
Massachusetts General Hospital and
Tufts University, US

Chair-Elect: Peter Hagoort, Ph.D.,
Max Planck Institute for Psycholinguistics,
Nijmegen, Netherlands

Treasurer-Elect: Fred Dick, Ph.D.,
Birkbeck/UCL Centre for NeuroImaging &
Centre for Brain and Cognitive Development,
Birkbeck College, University of London, UK

Secretary-Elect: Kate Watkins, Ph.D.,
Department of Experimental Psychology &
FMRIB Centre, University of Oxford, UK

Meeting Liaison-Elect: Heather Bortfeld, Ph.D.,
University of Connecticut, Storrs, CT &
Haskins Laboratories, US

Past Chair: Marta Kutas, Ph.D.,
University of California, San Diego, US

Past Treasurer: Vincent L. Gracco, Ph.D.,
McGill University, Montréal, Canada

Past Secretary: Stefan Heim, Ph.D.,
RWTH Aachen University, Aachen, Germany

Past Meeting Liaison: Manuel Carreiras, Ph.D.,
Basque Center on Cognition, Brain and Language,
San Sebastián, Spain

2013 Nomination Committee

Steven L. Small, Ph.D., M.D., Chair, University of California, Irvine, US

Murray Grossman, M.D., Ed.D., Penn FTD Center, University of Pennsylvania, US

Sonja Kotz, Ph.D., Max Planck Institute, Germany

SNL 2013 Program Committee

Jeffrey Binder, M.D., Medical College of Wisconsin, US

Peter Hagoort, Max Planck Institute for Psycholinguistics, Nijmegen, Netherlands

Greg Hickok, University of California, Irvine, US

Ellen Lau, Ph.D., Massachusetts General Hospital and Tufts University, US

Steven L. Small, Ph.D., M.D., University of California, Irvine, US

SNL Founders

Steven L. Small, Ph.D., M.D.,
University of California, Irvine, US

Pascale Tremblay, Ph.D.,
Universite Laval, Quebec, Canada

Schedule of Events

All events are held at the Westin San Diego.

Wednesday, November 6th

11:00 am – 5:30 pm Pre-Registration Check-in and Onsite Registration
Ballroom Foyer

1:00 – 1:30 pm Opening Remarks - Jeff Binder, SNL President and Marta Kutas, SNL Past President
Crystal Ballroom

1:30 – 2:30 pm **Keynote Lecture - Janet F. Werker**
The Elizabeth Bates Memorial Lecture: Initial Biases and Experiential Influences on Infant Speech Perception Development
Crystal Ballroom

2:30 – 3:00 pm Coffee Break
Emerald Ballroom

2:30 – 4:30 pm Poster Session A
Emerald Ballroom

4:30 - 5:50 pm Slide Session A – Speech and Auditory Perception
Crystal Ballroom

5:50 – 6:20 pm Business Meeting
Crystal Ballroom

6:20 – 7:50 pm Welcome Reception
Pool Deck

Thursday, November 7th

7:30 am – 7:00 pm Pre-Registration Check-In and Onsite Registration
Ballroom Foyer

8:00 - 8:30 am Continental Breakfast
Ballroom Foyer

8:30 - 9:50 am Slide Session B – Speech Production and Phonology
Crystal Ballroom

9:50 - 10:20 am Coffee Break
Emerald Ballroom

9:50 – 11:50 am Poster Session B
Emerald Ballroom

11:50 am – 1:15 pm Lunch Break (Lunch on your own)

1:15 – 2:15 pm **Keynote Lecture - Terry Sejnowski**
The Dynamic Brain
Crystal Ballroom

2:25 – 3:45 pm Slide Session C – Language Development and Bilingualism
Crystal Ballroom

3:45 - 4:15 pm Coffee Break
Emerald Ballroom

3:45 - 5:45 pm Poster Session C
Emerald Ballroom

5:45 – 7:15 pm **Discussion Panel - Max Coltheart vs Mark Seidenberg**
The Role of Semantic Information in Reading Aloud
Crystal Ballroom

Friday, November 8th

7:30 am – 7:00 pm Pre-Registration Check-In and Onsite Registration
Ballroom Foyer

8:00 - 8:30 am Continental Breakfast
Ballroom Foyer

8:30 - 9:50 am Slide Session D – Lexical Semantics
Crystal Ballroom

9:50 - 10:20 am Coffee Break
Emerald Ballroom

9:50 – 11:50 am Poster Session D
Emerald Ballroom

11:50 am – 1:15 pm Lunch Break (Lunch on your own)

1:15 – 2:35 pm Slide Session E - Lexical-Sentential Cognitive Control
Crystal Ballroom

2:45 – 4:15 pm **Discussion Panel - Miriam Faust vs Alexander M. Rapp**
The Role of the Right Hemisphere in Figurative Language Processing
Crystal Ballroom

4:15 – 4:45 pm Coffee Break
Emerald Ballroom

4:15 - 6:15 pm Poster Session E
Emerald Ballroom

6:15 – 7:15 pm **Keynote Lecture – Robert Knight**
Language Viewed from Direct Cortical Recordings
Crystal Ballroom

7:15 – 7:30 pm Closing Remarks - Peter Hagoort, SNL President Elect
Crystal Ballroom

Abstract Merit Awards

The Society for the Neurobiology of Language Abstract Merit Awards are given to the students and postdocs who submitted the highest ranked abstracts.

Graduate Student Merit Award Winners

Anna Beres, Bangor University, UK

Sung-Joo Lim, Carnegie Mellon University, US

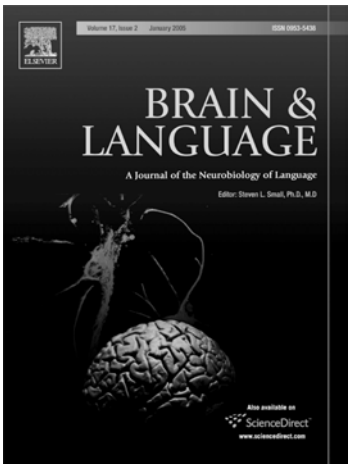
Alicia Rawling, Centre for Clinical Research, University of Queensland, Herston, Australia

Post Doctoral Merit Award Winners

Adeen Flinker, New York University, US

Tineke M. Snijders, Radboud University, Nijmegen, Netherlands

Thank You to Our 2013 Sponsors



Brain & Language (Elsevier)

Rogue Research

Travel Awards

This year, the Society for the Neurobiology of Language granted twenty Travel Awards. The awards, funded by the National Institutes of Health (NIH), help to cover travel and registration costs for the 2013 Society for the Neurobiology of Language Meeting in San Diego, US.

Through the travel awards, SNL aims to encourage and foster the participation of junior scientists who are members of underrepresented groups.

The 2013 Travel Awards were given to:

Anna Beres, Bangor University, UK

Teon Brooks, New York University, US

Emily Connally, University of Oxford, UK

Isabelle Deschamps, Université Laval, Canada

Mandy Faretta-Stutenberg, University of Illinois at Chicago, US

Alona Fyshe, Carnegie Mellon University, US

Sharon Geva, University College London, UK

Ajay Halai, University of Manchester, UK

Amanda Jaimes Bautista, Instituto Nacional de Neurología y Neurocirugía de México

Fernanda Loureiro, Pontifical Catholic University of Rio Grande do Sul (PUCRS), Brazil

Catherine Norise, University of Pennsylvania, US

Ōiwi Parker Jones, University College London, UK

Angel Ramirez-Sarmiento, University of Delaware, US

Aurora I. Ramos Nuñez, University of Houston, US

Laura Skipper, Temple University, US

Bethany Sussman, Indiana University, US

Maryse Thomas, McGill University, Montreal, Canada

Rubén Torres Agustín, University of Mexico, Mexico

Jorge Valdes Kroff, University of Pennsylvania, US

Khaing Win, University of Pennsylvania, US

Keynote Lectures

The Elizabeth Bates Memorial Lecture

INITIAL BIASES AND EXPERIENTIAL INFLUENCES ON INFANT SPEECH PERCEPTION DEVELOPMENT

Wednesday, November 6, 1:30 – 2:30 pm, Crystal Ballroom

Chair: Marta Kutas, University of California, San Diego, US

Janet F. Werker
Department of Psychology, University of British Columbia, Canada

Language involves a cascading interplay between biology and experience. Initial perceptual biases and core neural systems support learning any natural language. Development begins by tuning these systems to the native language. In this talk, I will review the rapid changes in auditory, visual, and multimodal speech perception that occur in the first months of life as infants establish a foundation for language acquisition. I will then present evidence that, while under typical circumstances the timing of perceptual attunement seems to be constrained by maturation, there are identifiable variations in experiences that can accelerate or slow down this developmental trajectory. Finally, I will introduce new questions about whether studies to date on the timing of plasticity have considered all the relevant input systems. The implications of this work for a fuller understanding of the neurobiology of language development will be highlighted.

In my talk, I'll present new data on MR-visible tracers and esfMRI that show the capacity of these methods for the study of the organization of cortical microcircuits and effective connectivity. I shall also show first results from studies mapping network topologies by triggering imaging at structure-specific events, e.g. hippocampal ripples or cross-frequency coupling events.

THE DYNAMIC BRAIN

Thursday, November 7, 1:15 – 2:15 pm, Crystal Ballroom

Chair: Joe Devlin, University College London, UK

Terry Sejnowski
Howard Hughes Medical Institute, The Salk Institute for Biological Studies, and University of California, San Diego, US

Brains need to make quick sense of massive amounts of ambiguous information with minimal energy costs and have evolved an intriguing mixture of analog and digital mechanisms to allow this efficiency. Spike coincidences occur when neurons fire together at nearly the same time. In the visual system, rare spike coincidences can be used efficiently to represent important visual events in the early stages of visual processing. This can be implemented with analog VLSI technology, creating a new class of cameras.

LANGUAGE VIEWED FROM DIRECT CORTICAL RECORDINGS

Friday, November 8, 6:15 – 7:15 pm, Crystal Ballroom

Chair: Peter Hagoort, Max Planck Institute for Psycholinguistics, Nijmegen, Netherlands

Robert Knight
University of California, Berkeley
and the Helen Wills Neuroscience Institute

Since the 1920's, neurophysiological dogma suggested that the human cortex did not generate neural oscillations above 50-60 Hz. However, research in the last decade reports neural activity up to 250 Hz in the human necortex in multiple tasks. Indeed, every cognitive process examined including language, attention, perception, memory and motor control generates high frequency oscillatory activity in the range of 70-250 Hz (high gamma, HG). For instance, the HG response in the human electrocorticogram (ECoG) precisely tracks auditory processing in the neocortex and can be used to assess sound, phoneme and word representation as well as the flow of information during linguistic processing. We have used ECoG recordings to address the neural mechanisms of speech suppression, categorical representation and the timing of speech perception and production in peri-sylvian language regions. Importantly, the high gamma response provides a potential tool for development of neural prosthesis for disabling language deficits and work on speech reconstruction and imagined speech will also be reviewed.

Thursday Discussion Panel

THE ROLE OF SEMANTIC INFORMATION IN READING ALOUD

Thursday, November 7, 5:45 – 7:15 pm, Crystal Ballroom

Chair: Jeffrey Binder, Medical College of Wisconsin, US

Max Coltheart

Centre for Cognition and its Disorders at Macquarie University, Australia

I will consider evidence from cognitive neuropsychology, computational modelling and experimental psychology which I take to support the view that there are distinct lexical and nonlexical routes from print to speech that subserve reading aloud, and that within the lexical reading route one can distinguish a lexical but nonsemantic processing route (direct communication from visual word recognition to spoken word production) and a lexical-semantic processing route (communication from visual word recognition to the semantic system followed by communication from the semantic system to spoken word production). According to this framework, any word can be read aloud without any contribution from the lexical-semantic processing route, so the question of the role that semantic information actually plays in reading aloud is an empirical one; I will discuss evidence relevant to this open question.

Mark Seidenberg

Department of Psychology at the University of Wisconsin, US

Reading involves learning to compute the meanings of words from print; being able to read aloud is just a by-product. Characteristics of reading aloud are therefore determined by how people solve the reading problem, as well as by characteristics of the orthography-phonology mapping, which vary across writing systems, and individual differences, which may be constitutional or experiential in origin. These factors determine the "division of labor" between different components of the lexical system relevant to tasks such as reading aloud, giving rise to a variety of effects, including semantic influences on reading aloud. I'll consider relevant empirical evidence and related issues concerning the adequacy of competing computational models of word naming and reading.

Friday Discussion Panel

THE ROLE OF THE RIGHT HEMISPHERE IN FIGURATIVE LANGUAGE PROCESSING

Friday, November 8, 2:45 – 4:15 pm, Crystal Ballroom

Chair: Christine Chiarello, Cognitive Psychology Lab, Department of Psychology, University of California, Riverside, US

Miriam Faust
Gonda Multidisciplinary Brain Research Center and Bar-Ilan University, Israel

While the role of the right hemisphere (RH) in processing nonliteral language is highly controversial, there is much evidence indicating that the comprehension of novel metaphoric expressions requires strong RH involvement. The findings of a series of studies using a variety of experimental techniques, including behavioral, fMRI, MEG, ERP and TMS, provide convergent evidence linking the RH, particularly right posterior superior temporal areas, with the ability to integrate the meanings of two seemingly unrelated concepts into a meaningful novel metaphoric expression. These findings indicate that semantic processing in the intact brain is associated with distinct and flexible patterns of hemispheric interaction that is characterized by higher RH involvement for processing novel metaphors taken from poetry compared to literal, conventional metaphoric and meaningless expressions (Faust, 2012). Furthermore, research on persons with Asperger and with Schizophrenia support RH unique contribution to the comprehension of novel conceptual combinations by demonstrating the negative effects of either reduced or excessive RH involvement on the ability to understand novel metaphors. The findings on novel metaphor processing thus suggest that the expert, rule-based semantic mechanisms of the left hemisphere are not sufficient for coping with the rule- violating, emergent and more creative aspects of this type of nonliteral language. This claim has significant implications for understanding the neurobiological processes involved in word meaning extension and is consistent with several models, including the Fine-Coarse Semantic Coding Theory (e.g., Jung Beeman, 2005) and the Graded Salience Hypothesis (Giora, 2007).

Alexander M. Rapp
Department of Psychiatry, University of Tuebingen; Germany

The right hemisphere processing hypothesis for metaphors and figurative language is popular and somewhat plausible, but how about the evidence for right hemisphere involvement in figurative language comprehension? In this debate, I will take the position against a pre-eminent role of the right hemisphere for figurative language. The most-cited study in the context of right hemisphere figurative language is a PET-study from the 1990´s with only 6 subjects. However, until now, approximately 40 functional magnetic resonance imaging studies have investigated figurative language comprehension. Although a substantial number has the hypothesis of a predominant role of the right hemisphere, there is a substantial number of studies with negative findings. A quantitative, coordinate based-analysis fails to indicate a pre-eminent role of the right hemisphere. Findings from lesion studies are heterogeneous.

General Information

ATM

An ATM machine is located in the Office Tower Lobby, directly below the Ballroom Foyer.

Abstracts

The poster and slide abstracts can be found in the PDF, which is downloadable from the neurolang.org website.

Audio-Visual

An LCD projector (e.g., for PowerPoint presentations) will be provided in the ballroom; however, computers will NOT be provided. Presenters must bring their own computers and set them up BEFORE the start of the session in which they are presenting. A switch box will be provided to allow several computers to be connected to the LCD projector in a room. Presenters are strongly encouraged to arrive at their scheduled room a minimum of 30 minutes before their talk so that they know how to set up their equipment.

Baggage Check

All attendees, even those not staying at the Westin, are welcome to check their bags at the front desk.

Business Center

The Business Center is open 24 hours a day and is located in the Office Tower Lobby, directly below the Ballroom Foyer. The Center is fully automated. Boarding passes may be printed free of charge. Guests may also browse the internet or use the fax machine. There is a minimum charge of $7.00 for the first ten minutes of internet use, and $.70 for each additional minute.

Certificate of Attendance

To receive a Certificate of Attendance, please visit the registration desk. If you require any amendments, we will be happy to email/mail a copy after the meeting (info@neurolang.org).

Contact Us

To contact us onsite, visit the Registration Desk, or send an email to info@neurolang.org. We will respond to your email at our earliest opportunity.

Copying and Printing

Copying and printing can be done at the Business Center.

Black and white printing is $.65 per page. Color printing is $1.00 per page.

Black and white copying is $.50 per page, with a $2.00 minimum. Color copying is $1.00 per copy, with a $4.00 minimum.

Disclaimer

The SNL Program Committee reserves the right to make changes to the meeting program at any time without notice. This program was correct at the time of printing.

Duplication / Recording / Photography

Photography, audiotaping, video recording, digital taping or any other form of duplication is strictly prohibited in the sessions and poster areas.

Fitness Center

The fitness center is currently closed, while it is undergoing renovation. The hotel will provide complimentary passes to nearby athletic clubs. Please inquire at the front desk.

Food Service

Complimentary food and beverage service is available to all registered attendees at the following times:

Wednesday

Afternoon Coffee, 2:30 – 3:00 pm, *Emerald Ballroom*
Welcome Reception, 6:20 – 7:50 pm, *Pool Deck*

Thursday

Continental Breakfast, 8:00 - 8:30 am, *Ballroom Foyer*
Coffee Break, 9:50 - 10:20 am, *Emerald Ballroom*
Afternoon Coffee, 3:45 - 4:15 pm, *Emerald Ballroom*

Friday

Continental Breakfast, 8:00 - 8:30 am, *Ballroom Foyer*
Coffee Break, 9:50 - 10:20 am, *Emerald Ballroom*
Afternoon Coffee, 4:15 – 4:45 pm, *Emerald Ballroom*

Future Meetings

SNL 2014 will be held at the Beurs van Berlage, Amsterdam, August 27 - 29, 2014.

Hotel Outlets

Dining

The Coast restaurant features an open breakfast buffet, as well as an a la carte menu for breakfast, lunch and dinner. It is open daily from 6:30 am - 9:30 pm.

Bar Service

The hotel bar is located within the Coast Restaurant. Bar hours are from 1:00 pm - 11:00 pm. Happy Hour is from 3:00 pm - 6:00 pm.

Coffee

The hotel features a coffee-to-go stand open every morning from 6:30 am - 11:00 am. Coffee is $2.00.

Internet

Standard wired & wireless internet is available in the guest rooms free of charge. High speed access is available for $12.95 per 24 hours (multi-day packages are available). Internet is free in the lobby in 1/2 hour increments by obtaining a code from the front desk agents. There is free internet in the meeting rooms.

Local Dining

The Concierge Desk maintains photo albums containing menus for area restaurants. The Desk is open from 8:00 am - 8:00 pm.

Lost & Found

Please check with the SNL Registration Desk for lost and found items.

Meeting Rooms

All general sessions (Keynotes, Discussion Panels and Slides) will be held in the Crystal Ballroom.

Messages

A bulletin board will be available for messages and job postings near the SNL Registration Desk.

Mobile Phones

Attendees are asked to silence their mobile phones when in sessions.

Name Badges

For security purposes, all attendees must wear their name badges to all sessions and social functions. Entrance into sessions is restricted to registered attendees only. If you misplace your name badge, please go to the Registration Desk for a replacement.

Onsite Meeting Registration

The SNL Registration Desk is located in the Ballroom Foyer. The Registration Desk hours are:

Wednesday, November 6, 11:00 am – 5:30 pm
Thursday, November 7, 7:30 am – 7:00 pm
Friday, November 8, 7:30 am – 7:00 pm

Parking

Valet parking is $32 per night or $4 per 30 minutes. Enjoy in/out privileges with overnight valet parking. There are also 3rd party parking lots surrounding the hotel. These lots generally do not have in/out privileges.

Phone Charging Station

For your convenience, a phone charging station is located at the Registration Desk.

Pool

A heated outdoor lap pool is located on the 3rd floor of the hotel. Hours of operation are from 6:00 am - 10:00 pm.

Poster Sessions

Posters are located in the Emerald Ballroom.

Reception

The Welcome Reception will be held on Wednesday, November 6th on the Pool Deck, from 6:20 – 7:50 pm.

Smoking

Smoking is not permitted at The Westin San Diego.

Speakers

Please ensure that you are available at least thirty minutes before the start of the session. See "Audiovisual" for technical information.

Transportation - Airport

Airport Shuttle

The Westin San Diego offers a complimentary airport shuttle 7 days per week from 6:00 am - 11:00 pm (based upon availability). Reservations are required. To reserve the shuttle van from the airport, call the hotel (1-619-239-4500) from the baggage claim kiosk. To reserve the shuttle van to the airport, sign up at the luggage desk in the lobby 24 hours in advance or call service express.

Taxi

The San Diego Airport is located at 3225 N. Harbor Dr., a 5-10 minute drive from the Westin San Diego. Taxi service to the airport costs approximately $10.00 - $15.00.

Bus

The "992 Flyer" leaves every 15 minutes from the bus stop outside of the hotel on Broadway. The fare is $2.50 one way. The Santa Fe Depot is located one block from the hotel.

Slide Sessions

Slide Session A

Wednesday, November 6, 4:30 - 5:50 pm, Crystal Ballroom

Speech and Auditory Perception

Chair: Emily Myers, University of Connecticut
Speakers: Edward Chang, Stephen M. Wilson, Isabelle Deschamps, Daniela Sammler

4:30 pm

A1 Phonetic feature selectivity in the human temporal lobe *Edward Chang[1], Nima Mesgarani[1], Connie Cheung[1], Keith Johnson[1]; [1]UC San Francisco*

4:50 pm

A2 The impact of vascular factors on language localization in the superior temporal sulcus *Stephen M. Wilson[1]; [1]University of Arizona*

5:10 pm

A3 The relationship between cortical thickness and the processing of statistics in the auditory signal: insights from speech and non-speech sounds *Isabelle Deschamps[1,2], Uri Hasson[3,4], Pascale Tremblay[1,2]; [1]Université Laval, Département de réadaptation, Québec, Canada, [2]Centre de Recherche de l'Institut Universitaire en santé mentale de Québec, Canada, [3]Center for Mind/Brain Sciences (CIMeC), University of Trento, Italy, [4]Department of Psychology and Cognitive Sciences, University of Trento, Italy*

5:30 pm

A4 Prosody perception in the laryngeal premotor cortex: A TMS study *Daniela Sammler[1,2], Pascal Belin[1,3,4], Marie-Hélène Grosbras[1]; [1]School of Psychology and Institute of Neuroscience and Psychology, University of Glasgow, Glasgow, UK, [2]Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany, [3]BRAMS, University of Montréal and McGill University, Montréal, Canada, [4]Institut des Neurosciences de La Timone, UMR 7289, CNRS and Université Aix-Marseille, France*

Slide Session B

Thursday, November 7, 8:30 - 9:50 am, Crystal Ballroom

Speech Production and Phonology

Chair: Richard Wise, Imperial College London
Speakers: Dirk Den Ouden, Sara Berentsen, Karthik Durvasula, Thomas Pieters

8:30 am

B1 Neural representations of segments and syllables as phonological domains *Dirk Den Ouden[1], Emily Garnett[1], Adina Raizen[2], Victoria Sharpe[1]; [1]University of South Carolina, [2]University of Illinois at Urbana-Champaign*

8:50 am

B2 Lesion Correlates of Phonological Access Impairment: Voxel-Based Lesion-Symptom Mapping *Sara Berentsen[1], Benjamin Stengel[1], Megan Rozman[1], Diane Book[1], Jeffrey Binder[1]; [1]Medical College of Wisconsin, Milwaukee, WI, USA*

9:10 am

B3 Speaking beats listening: Evidence that motor activity out-primes auditory activity during speech perception *Karthik Durvasula[1], Arild Hestvik[2]; [1]Michigan State University, [2]University of Delaware*

9:30 am

B4 Spatial probability of essential language sites: Cortical stimulation density map in a population *Thomas Pieters[1], Cihan Kadipasaoglu[1], Vatche Baboyan[1], Nitin Tandon[1]; [1]Vivian Smith Department of Neurosurgery, UT Houston*

Slide Session C

Thursday, November 7, 2:25 – 3:45 pm, Crystal Ballroom

Language Development and Bilingualism

Chair: Fred Dick, University of London
Speakers: Monika Molnar, Tali Bitan, Michael Bonner, Anna Beres

2:25 pm

C1 Different neural specializations support native speech processing of young monolingual and bilingual infants *Monika Molnar[1], Marcela Peña[2], Cesar Caballero[1], Martijn Baart[1], Ileana Quiñones[1], Manuel Carreiras[1]; [1]Basque Center on Cognition, Brain and Language (BCBL), [2]Catholic University of Chile*

2:45 pm

C2 Do children and adults learn a new linguistic skill in the same way? Effects of age and sleep on learning morphological inflections in an artificial language *Tali Bitan[1], Michael Nevat[1], Qamar Daher[1], Karin Levenberg[1]; [1]University of Haifa*

3:05 pm

C3 Structural covariance of the semantic memory network in healthy adults *Michael Bonner[1], Jonathan Peelle[2], Amy Rose Price[1], Murray Grossman[1]; [1]University of Pennsylvania, [2]Washington University in St. Louis*

3:25 pm

C4 Translanguaging: Boosting the acquisition of new knowledge using bilingualism. *Anna Beres[1], Manon Jones[1], Bastien Boutonnet[1], Nick Davis[1], Guillaume Thierry[1]; [1]Bangor University*

Slide Session D

Friday, November 8, 8:30 - 9:50 am, Crystal Ballroom

Lexical Semantics

Chair: Ellen Lau, University of Maryland
Speakers: Paul Hoffman, Liuba Papeo, Ajay Halai, Alona Fyshe

8:30 am

D1 Anterior temporal contributions to single-word reading revealed using distortion-corrected fMRI *Paul Hoffman[1], Matthew A. Lambon Ralph[1], Anna M. Woollams[1]; [1]University of Manchester*

8:50 am

D2 The origin of word-related motor activity *Liuba Papeo[1,2], Angelika Lingnau[2], Sara Agosta[3], Lorella Battelli[3], Alvaro Pascual-Leone[4], Alfonso Caramazza[1,2]; [1]Department of Psychology, Harvard University, [2]Center for Mind/Brain Sciences, University of Trento, [3]Center for Neuroscience and Cognitive Systems, Istituto Italiano di Tecnologia, [4]Berenson-Allen Center for Noninvasive Brain Stimulation and Department of Neurology, Beth Israel Deaconess Medical Center, Boston*

9:10 am

D3 Combining EEG-fMRI to investigate brain networks involved in spoken word comprehension. *Ajay Halai[1], Laura M Parkes[2], Stephen Welbourne[1]; [1]Neuroscience and Aphasia Research Unit, School of Psychological Sciences, University of Manchester, UK, [2]Centre for Imaging Sciences, Institute of Population Health, University of Manchester, UK*

9:30 am

D4 Semantic Representations from a Joint Model of Brain and Text Based Meaning *Alona Fyshe[1], Brian Murphy[1], Partha Talukdar[1], Tom Mitchell[1]; [1]Carnegie Mellon University*

Slide Session E

Friday, November 8, 1:15 – 2:35 pm, Crystal Ballroom

Lexical-Sentential Cognitive Control

Chair: Sharon Thompson-Schill, University of Pennsylvania
Speakers: Corey McMillan, Sylvia Vitello, Wouter Duyck, Tineke M Snijders

1:15 pm

E1 A dual network account for pronoun resolution in Parkinson's disease. *Corey McMillan[1], Nicola Spotorno[1], Jenna Haley[1], Robin Clark[1], Murray Grossman[1]; [1]University of Pennsylvania*

1:35 pm

E2 Neural responses to semantic ambiguities encountered during spoken sentences *Sylvia Vitello[1], Jane E. Warren[1], Joseph T. Devlin[1], Jennifer M. Rodd[1]; [1]University College London*

1:55 pm

E3 Cognate Effects and Cognitive Control in Patients with Parallel and Differential Bilingual Aphasia *Wouter Duyck[1], Nele Verreyt[1], Miet De Letter[2], Hemelsoet Dimitri[3], Mariën Peter[4], Santens Patrick[3], Stevens Michael[1]; [1]Department of Experimental Psychology, Ghent University, Belgium., [2]Department of ORL & Logopaedic and Audiologic Sciences, Ghent University, Belgium., [3]Department of Neurology, Ghent University Hospital, Belgium., [4]Department of Neurology, ZNA Middelheim, Antwerp, Belgium.*

2:15 pm

E4 Temporal dynamics of word-category ambiguity resolution depend on CNTNAP2 genotype: an MEG study *Tineke M Snijders[1,2], Giovanni Piantoni[3], Gerard Kempen[4,5], Theo Vosse[1,5], Jos JA van Berkum[4,6], Mark Rijpkema[1], Barbara Franke[1,7], Guillen Fernandez[1,7], Robert Oostenveld[1], Peter Hagoort[1,4]; [1]Radboud University Nijmegen, Donders Institute for Brain, Cognition and Behaviour, Nijmegen, the Netherlands, [2]Radboud University Nijmegen, Centre for Language Studies, Nijmegen, the Netherlands, [3]Netherlands Institute for Neuroscience, Amsterdam, the Netherlands, [4]Max Planck Institute for Psycholinguistics, Nijmegen, the Netherlands, [5]Leiden University, Cognitive Psychology Unit, Leiden, the Netherlands, [6]Utrecht University, Utrecht Institute of Linguistics OTS, Utrecht, the Netherlands, [7]Radboud University Medical Centre, Nijmegen, the Netherlands*

Poster Schedule

Poster sessions are scheduled on Wednesday, November 6 through Friday, November 8. Poster sessions are 2 hours, and presenting authors are expected to be present the entire time. Posters are located in the Emerald Ballroom. You may post your materials on the board assigned to you starting at the scheduled "Set-up Begins" time shown below. Please note that any posters not removed by "Teardown Complete" time will be discarded. Do not leave personal items in the poster room.

Date & Time	Posters	Topics
Poster Session A Wednesday, November 6 2:30 - 4:30 pm Setup Begins: 12:30 pm Teardown Complete: 6:30 pm	A1 - A8 A9 - A21 A22 - A27 A-28 - A31 A-32 - A36 A37 - A45 A46 - A55 A56 - A63 A-64 - A72	Gesture, Prosody, Social and Emotional Processes Auditory Perception, Speech Perception, Audiovisual Integration Motor Control, Speech Production, Sensorimotor Integration Orthographic Processing, Writing, Spelling Signed Language Language Development, Plasticity, Multilingualism Lexical Semantics Syntax, Morphology Language Disorders
Poster Session B Thursday, November 7 9:50 - 11:50 am Setup Begins: 8:00 am Teardown Complete: 1:00 pm	B1 - B12 B13 - B18 B19 - B24 B25 - B35 B36 - B46 B47 - B57 B58 - B63 B64 - B72	Auditory Perception, Speech Perception, Audiovisual Integration Motor Control, Speech Production, Sensorimotor Integration Orthographic Processing, Writing, Spelling Language Development, Plasticity, Multilingualism Lexical Semantics Discourse, Combinatorial Semantics Syntax, Morphology Language Disorders
Poster Session C Thursday, November 7 3:45 - 5:45 pm Setup Begins: 1:00pm Teardown Complete: 7:15 pm	C1 - C6 C7 - C16 C17- C22 C23 - C27 C28 - C37 C38 - C47 C48- C53 C54 - C62 C63 - C73	Gesture, Prosody, Social and Emotional Processes Auditory Perception, Speech Perception, Audiovisual Integration Motor Control, Speech Production, Sensorimotor Integration Orthographic Processing, Writing, Spelling Language Development, Plasticity, Multilingualism Lexical Semantics Syntax, Morphology Control, Selection, Working Memory Language Disorders
Poster Session D Friday, November 8 9:50 - 11:50 am Setup Begins: 8:00 am Teardown Complete: 1:00 pm	D1 - D 11 D12 - D19 D20 - D23 D24 - D32 D33 - D39 D40 - D46 D47 - D51 D52 - D62 D63 - D72	Auditory Perception, Speech Perception, Audiovisual Integration Motor Control, Speech Production, Sensorimotor Integration Orthographic Processing, Writing, Spelling Language Development, Plasticity, Multilingualism Lexical Semantics Discourse, Combinatorial Semantics Syntax, Morphology Control, Selection, Working Memory Language Disorders
Poster Session E Friday, November 8 4:15 - 6:15 pm Setup Begins: 1:00 pm Teardown Complete: 7:00 pm	E1 - E7 E8 - E18 E19 - E23 E24 - E29 E30 - E34 E35 - E44 E45 - E53 E54 - E58 E59 - E69	Gesture, Prosody, Social and Emotional Processes Auditory Perception, Speech Perception, Audiovisual Integration Motor Control, Speech Production, Sensorimotor Integration Phonology, Phonological Working Memory Orthographic Processing, Writing, Spelling Language Development, Plasticity, Multilingualism Lexical Semantics Syntax, Morphology Language Disorders

Poster Sessions

Poster Session A

Wednesday, November 6, 2:30 – 4:30 pm, Emerald Ballroom

Gesture, Prosody, Social and Emotional Processes

A1 Neural responses during perception of naturally produced, meaningful co-speech gestures *Jill Weisberg[1], Amy L. Hubbard[2], Karen Emmorey[3]; [1]San Diego State University Research Foundation, [2]Carnegie Mellon University, [3]San Diego State University*

A2 Investigating age-related differences in neural systems supporting the processing of emotion vocalizations *Cesar Lima[1,2], Nadine Lavan[1], Zarinah Agnew[1], Samuel Evans[1], Pradheep Shanmugalingam[1], Carolyn McGettigan[3], Sophie Scott[1]; [1]University College London, [2]University of Porto, [3]Royal Holloway, University of London*

A3 Recruitment of neural networks to understand emotional meaning is contextually modulated *Serena Klos[1], Jean Decety[1], Howard C. Nusbaum[1]; [1]The University of Chicago*

A4 Neurophysiological differentiation between preattentive and attentive processing of emotional expressions on French vowels *Mathilde Carminati[1], Delphine Breuillard[1], Nicole Fiori[1], Charlotte Kouklia[2], Nicolas Audibert[2], Jacqueline Vaissière[2], Frédéric Isel[1,2]; [1]Paris Sorbonne Cité - Paris Descartes University, [2]Sorbonne Nouvelle Paris 3 University*

A5 Effects of Valence, Arousal and Age in Incidental Encoding of Words and Subsequent Recognition Memory Processing *Hande Kaynak[1], Didem Gökçay[2]; [1]North Carolina State University, [2]Middle East Technical University*

A6 Coordinating on the oddball in behavioral variant frontotemporal dementia *Giulia Porcari[1], Stephanie Golob[1], Nicola Spotorno[1], Robin Clark[2], Murray Grossman[1], Corey McMillan[1]; [1]Perelman School of Medicine, Penn Frontotemporal Degeneration Center, [2]Department of Linguistics, University of Pennsylvania*

A7 Gesture Comprehension Recruits Sensori-Motor Systems *Ying Choon Wu[1], Seana Coulson[1], Scott Makeig[1]; [1]UC San Diego*

A8 Ape Gestural Learning: An evolutionary perspective grounded in dyadic brain modeling *Brad Gasser[1], Michael Arbib[1]; [1]University of Southern California*

Auditory Perception, Speech Perception, Audiovisual Integration

A9 Engagement of the Cingulo-Opercular System Enhances Future Word Recognition *Kenneth I. Vaden[1], Stefanie E. Kuchinsky[1], Stephanie L. Cute[1], Jayne B. Ahlstrom[1], Judy R. Dubno[1], Mark A. Eckert[1]; [1]Medical University of South Carolina*

A10 Perception of speech in noise and other maskers by musicians and non-musicians *Dana Boebinger[1], César Lima[1,2], Samuel Evans[1], Stuart Rosen[3], Sophie K. Scott[1]; [1]Institute of Cognitive Neuroscience, University College London, [2]Faculty of Psychology and Education, University of Porto, [3]Speech, Hearing, & Phonetic Science, University College London*

A11 Direct influence of sentential context on the perceptual analysis of speech: Evidence from Granger analysis of MRI-constrained MEG/EEG data *David Gow[1,2,3], Bruna Olson[1,2], A. Conrad Nied[1,2]; [1]Massachusetts General Hospital, [2]Athinoula A. Martinos Center for Biomedical Imaging, [3]Salem State University*

A12 Speech processing over multiple time scales: An MEG study of functional connectivity *Maryse Thomas[1,2], Sylvain Baillet[1,2], Vincent Gracco[1,3]; [1]Centre for Research on Brain, Language, and Music, McGill University, Montreal, QC, Canada, [2]McConnell Brain Imaging Centre, Montreal Neurological Institute, Montreal, QC, Canada, [3]Haskins Laboratories, New Haven, CT*

A13 Identifying hub structures of emotional speech in the human brain *Sonja Kotz[1], Sophie K Scott[2], Stuart Rosen[2], Jonas Obleser[3]; [1]The University of Manchester, [2]UCL, [3]MPI for Human Cognitive and Brain Sciences*

A14 Discriminating the Intervals of Two-tone Melodic Sequences *Carolyn McClaskey[1]; [1]University of California, Irvine*

A15 Investigating the role of speech-selective regions during videogame-based non-speech sound category acquisition *Sung-Joo Lim[1,3], Julie A. Fiez[2,3], Lori L. Holt[1,3]; [1]Carnegie Mellon University, [2]University of Pittsburgh, [3]Center for the Neural Basis of Cognition*

A16 Mapping multidimensional phonetic spaces using the acoustic change complex of EEG recordings *Paul Iverson[1], Marta Mulyak[1], Anita Wagner[1]; [1]University College London*

A17 Infants' audiovisual speech integration does not hinge on phonetic knowledge *Heather Bortfeld[1,2], Martijn Baart[3], Kathleen Shaw[1], Jean Vroomen[4]; [1]University of Connecticut, [2]Haskins Laboratories, [3]Basque Center on Cognition, Brain and Language, [4]Tilburg University*

A18 Brain response to a rhythm deviant in adolescent cochlear implant users before and after an intensive musical training program *Bjørn Petersen[1], Ethan Weed[1], Mads Hansen[1], Stine Derdau[1], Pascale Sandmann[2], Peter Vuust[1]; [1]Aarhus University, [2]Hannover Medical School*

A19 Neurophysiological Evidence for the Recruitment of Right Hemisphere Homologues During Speech Perception by Musicians *McNeel Jantzen[1], Bradley Howe[1], K.J. Jantzen[1]; [1]Western Washington University*

A20 Optimal design of speech perception fMRI studies for robust quantification of single trial activation patterns *Julia M. Fisher[1], Stephen M. Wilson[1]; [1]University of Arizona*

A21 MEG correlates of acoustic speech features *Miika Koskinen[1]; [1]Aalto University, Finland*

Motor Control, Speech Production, Sensorimotor Integration

A22 Title: Convergent transcriptional specializations in the brains of humans and song learning birds *Andreas R. Pfenning[1], Erina Hara[1], Osceola Whitney[1], Miriam Rivas[1], Petra Roulhac[1], Jason T. Howard[1], Ganesh Ganapathy[1], M. Arthur Mosely[1], J. Will Thompson[1], Erik J. Soderblom[1], Alexander J. Hartemink[1], Erich D Jarvis[1,2]; [1]Duke University Medical Center, [2]Howard Hughes Medical Institute*

A23 Internal vs. external deviations from auditory targets in speech *Caroline Niziolek[1], Srikantan Nagarajan[1], John Houde[1]; [1]University of California, San Francisco*

A24 Modulations of speaking-induced suppression in speech imitation *Matthias K. Franken[1,2], Daniel J. Acheson[1,2], Peter Hagoort[1,2]; [1]Max Planck Institute for Psycholinguistics, Nijmegen, The Netherlands, [2]Donders Institute for Brain, Cognition, and Behaviour, Radboud University, Nijmegen, The Netherlands*

A25 Covert production of speech and emotional vocalizations: further evidence for a neural dissociation between different complex articulations *Zarinah Agnew[1], Liliya Ward[1], Carolyn McGettigan[1,2], Oliver Josephs[1], Sophie Scott[1]; [1]UCL Institute of Cognitive Neuroscience, [2]Royal Holloway, University of London*

A26 Speech evoked potentials in Parkinson's disease *Francois-Xavier Brajot[1,2], Douglas M. Shiller[2,3], Vincent L. Gracco[1,2]; [1]McGill University, [2]Centre for Research on Brain, Language and Music, [3]Université de Montréal*

A27 Energetic and informational masking effects on speech production *Sophie Meekings[1], Samuel Evans[1], Nadine Lavan[1], Sophie K Scott[1]; [1]University College London*

Orthographic Processing, Writing, Spelling

A28 Are specialized brain areas necessary for perceptual expertise? Insights from a fast letter recognition fMRI experiment. *Marcin Szwed[1,2,3], Evelyn Eger[4], Marianna Boros[1], Justyna Różycka[1], Myriam Chanceaux[2,3], Daisy Bertrand[3], Stephane Dufau[2,3], Laurent Cohen[5,6,7,8], Stanislas Dehaene[4,9], Johannes Ziegler[2,3], Jonathan Grainger[2,3]; [1]Department of Psychology, Jagiellonian University, Krakow, Poland, [2]Laboratoire de Psychologie Cognitive, CNRS, Marseille, France, [3]Aix-Marseille University, France, [4]INSERM-CEA Cognitive Neuroimaging Unit, Gif sur Yvette, France, [5]INSERM, ICM Research Center, UMRS 975, Paris, France, [6]Université Pierre-et-Marie-Curie, Faculté de Médecine Pitié-Salpêtrière, IFR 70, Paris, France, [7]AP-HP, Hôpital de la Salpêtrière, Department of Neurology, Paris, France, [8]CENIR, ICM Research Center, UMRS 975, Paris, France, [9]College de France, Paris, France*

A29 The hemispheric differences on the optimal viewing position asymmetry *Wen-Hsuan Chan[1], Thomas P. Urbach[1], Marta Kutas[1,2]; [1]University of California, Cognitive Science, San Diego, [2]University of California, Neurosciences, San Diego*

A30 Diffusion properties of the cerebellar peduncles are associated with reading skills in pre-term and full-term children *Katherine Travis[1], Yael Leitner[2], Michal Ben-Shachar[3], Heidi Feldman[1]; [1]Stanford School of Medicine, [2]Tel Aviv Sourasky Medical Center and Sackler School of Medicine, [3]Bar-Ilan University*

A31 Using Artificial Orthographies to Study the Neural Correlates and Fusiform Laterality of Writing Systems With Different Grain Sizes *Elizabeth Hirshorn[1], Alaina Wrencher[1], Rob Schwartz[1], Corrine Durisko[1], Michelle Moore[1,2], Julie Fiez[1,3,4,5]; [1]Learning Research & Development Center, University of Pittsburgh, [2]West Virginia University, [3]Department of Psychology, University of Pittsburgh, [4]Department of Neuroscience, University of Pittsburgh, [5]Center for the Neural Basis of Cognition*

Signed Language

A32 Biological attraction for natural language input in the visual modality *So-One Hwang[1], Stephanie Aguirre[1], Rain Bosworth[1]; [1]UC San Diego*

A33 The relation between perception and action: Evidence from sign language *Kayoko Okada[1], Corianne Rogalsky[1], Lucinda O'Grady[2], Leila Hanaumi[2], Ursula*

Bellugi[2], David Corina[3], Gregory Hickok[1]; [1]University of California, Irvine, [2]The Salk Institute for Biological Studies, [3]University of California, Davis

A34 Shared Cortical Representation of the Hands and Face in a Deaf Signer: Evidence form Cortical Stimulation Mapping *David Corina[1], Shane Blau[1], Todd LaMarr[1], Diane Allshouse[1], Matt Leonard[2], Edward Chang[2]; [1]University of California, Davis, [2]University of California, San Francisco*

A35 The neural circuits recruited for the production of fingerspelling and signing *Karen Emmorey[1], Sonya Mehta[2], Stephen McCullough[1], Thomas Grabowski[2]; [1]San Diego State University, [2]University of Washington*

A36 The role of left superior parietal lobule in sign language production: A TMS study with British Sign Language *David Vinson[1], Neil Fox[1], Karen Emmorey[2], Joseph Devlin[1], Daniel Roberts[1], Gabriella Vigliocco[1]; [1]University College London, [2]San Diego State University*

Language Development, Plasticity, Multilingualism

A37 Neural Correlates Associated with the Perceptual Learning of Synthetic Speech *Shannon Heald[1], Joseph Winer[1], Edward Wagner[1], Brendan Colson[1], Howard Nusbaum[1]; [1]The University of Chicago*

A38 Age of L2 Onset Modulates Left MTG Specialization for L1 Lexical Tones *Benjamin Zinszer[1], Thomas Holt[1], Han Wu[2], Hua Shu[2], Ping Li[1]; [1]Pennsylvania State University, [2]Beijing Normal University*

A39 The effects of perceptual distortion, age and proficiency on the functional neural activation for sentence processing *Saloni Krishnan[1], Robert Leech[2], Evelyne Mercure[3], Sarah Lloyd-Fox[1], Frederic Dick[1]; [1]Birkbeck, University of London, [2]Imperial College London, [3]University College London*

A40 Cognate effects on first language word listening in bilinguals *Ana Sanjuan[1,2], Elisenda Bueichekú[1], María-Ángeles Palomar-García[1], Noelia Ventura-Campos[1], César Ávila[1], Albert Costa[3]; [1]Grupo de Neuropsicología y Neuroimagen Funcional, Departamento de Psicología Básica, Clínica y Psicobiología, Universitat Jaume I, Castellon, Spain, [2]Language Group, Wellcome Trust Centre for Neuroimaging, University College of London, UK, [3]Departamento de Psicología Básica, Universitat de Barcelona, Spain*

A41 It Is Never Too Late: The Neural Substrate of Interference Control in Elderly Late Bilinguals *Ladan Ghazi Saidi[1], Daiel Adrover Roig[2], Ana-Ines Ansaldo[1,3]; [1]Centre de recherche de l'Institut Universitaire de Gériatrie de Montréal, Canada, [2]University of the Balearic Islands, Departamento de Pedagogía Aplicada y Psicología de la Educación, [3]École d'orthophonie et d'audiologie, Faculté de médecine, Université de Montréal, Canada*

A42 Dissociating perceptual processes and language decisions in the bilingual brain – L1 but not L2 recognition affects early processing stages *Yulia Oganian[1,2], Markus Conrad[1], Katharina Spalek[3], Hauke R. Heekeren[1,2]; [1]Freie Universität Berlin, [2]Bernstein Center for Computational Neuroscience, Berlin, [3]Humboldt Universität zu Berlin*

A43 An advantage in switching for some bilinguals over others, but not over monolinguals *Maya Ravid[1], Aurora I. Ramos Nuñez[1], Arturo E. Hernandez[1]; [1]University of Houston*

A44 Cross-linguistic interference in French/ Arabic bilingual gender agreement processing: ERP evidence. *John E. Drury[1], Mariia Kaliuzhna[2], Hakima Guella[3], Anne Cheylus[3], Viviane Deprez[3,4]; [1]Stony Brook University, [2]Ecole polytechnique fédérale de Lausanne, [3]L2C2 CNRS, [4]Rutgers University*

A45 Semantic errors in comprehension: A voxel-based lesion symptom mapping study *Paul Fillmore[1], Helga Thors[1], Zachary Ekves[2], Taylor Hanayik[1], Sigridur Magnusdottir[3], Julius Fridriksson[1]; [1]University of South Carolina, [2]University of Pittsburgh, [3]University of Iceland*

Lexical Semantics

A46 An fMRI study of concreteness effects in auditory lexical decision *Tracy Roxbury[1,2,5], Katie McMahon[2], Alan Coulthard[3,4], Raymond Buckley[4], Christine McHenery[4], David Copland[1,5]; [1]Centre for Clinical Research, University of Queensland, [2]Centre for Advanced Imaging, University of Queensland, [3]Academic Discipline of Medical Imaging, University of Queensland, [4]Royal Brisbane and Women's Hospital, Brisbane, Australia, [5]School of Health and Rehabilitation Sciences, University of Queensland*

A47 The behavioral and neural effects of language on motion perception *Jolien C. Francken[1], Peter Kok[1], Peter Hagoort[1,2], Floris P. de Lange[1]; [1]Donders Institute for Brain, Cognition and Behavior, Radboud University Nijmegen, Netherlands, [2]Max Planck Institute for Psycholinguistics, Nijmegen, Netherlands*

A48 Frontal and Parietal Cortex Supports Generalized Quantifier Complexity *Christopher Olm[1], Corey McMillan[1], Robin Clark[2], Murray Grossman[1]; [1]Perelman School of Medicine, University of Pennsylvania, Philadelphia, [2]University of Pennsylvania, Philadelphia*

A49 Fusion and fission of functions in parietal cortex: mapping the functional organisation of parietal cortex in a multi-domain meta-analysis *Gina Humphreys[1], Matthew Lambon Ralph[1]; [1]University of Manchester*

A50 The Role of the Inferior Frontal Cortex in Idiom Processing: An rTMS Study *Katja Haeuser[1,2], Debra Titone[3,2], Shari Baum[1,2]; [1]School of Communication Sciences and Disorders, McGill University, Montreal QC, Canada, [2]Centre for Research on Brain, Language and Music, McGill University, Montreal QC, [3]Department of Psychology, McGill University, Montreal QC, Canada*

A51 Semantic Variability Predicts Neural Variability of Object Concepts *Elizabeth Musz[1], Sharon L. Thompson-Schill[1]; [1]University of Pennsylvania*

A52 The roles of left and right inferior frontal cortex in the comprehension of ambiguous sentences *Jennifer M. Rodd[1], Sylvia Vitello[1], Joseph T. Devlin[1], Jane E. Warren[1]; [1]University College London*

A53 ERP responses to code-switching in cognate/ non-cognate word recognition by Chinese-Japanese bilinguals *Yingyi Luo[1], Changhao Jiang[1], Shengyan Long[1], Hiromu Sakai[1]; [1]Hiroshima University*

A54 Oscillatory dynamics in semantic cognition: Neural processes underlying automatic and controlled semantic retrieval revealed by MEG *Beth Jefferies[1], Catarina Teige[1], Piers Cornelissen[2], Giovanna Mollo[1]; [1]University of York, UK, [2]Northumbria University, UK*

A55 A neural network model of a semantic space: correlation with priming and EEG data *Alvaro Cabana[1], Camila Zugarramurdi[2], Eduardo Mizraji[1], Juan C. Valle-Lisboa[1,2]; [1]Facultad de Ciencias, [2]Facultad de Psicología, Universidad de la República, Uruguay*

Syntax, Morphology

A56 Representational similarity analysis reveals the nature and sequence of syntactic computations in the fronto-temporal language network *Barry Devereux[1], Alex Clarke[1], Teresa Cheung[1], Lorraine Tyler[1]; [1]University of Cambridge*

A57 Irregular and regular verbs elicit identical ERP responses to violations of tense expectations: Evidence for single-route over dual-route models. *Arild Hestvik[1,2], Valerie Shafer[2], Richard G. Schwartz[2]; [1]University of Delaware, [2]The Graduate Center, City University of New York*

A58 Imaging speech comprehension in quiet with high density diffuse optical tomography *Mahlega Hassanpour[1], Adam T Eggebrecht[2], Jonathan E. Peelle[2], Joseph P. Culver[2]; [1]Washington University in St. Louis, [2]Washington University School of Medicine*

A59 Stripping off semantics from the syntax skeleton: the role of Broca's area *Tomás Goucha[1,2], Angela D. Friederici[1]; [1]Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany, [2]Berlin School of Mind and Brain, Humboldt University, Germany*

A60 Are you talkin' to me? An fMRI study on syntactic priming effects in a communicative context *Lotte Schoot[1,3], Laura Menenti[1], Peter Hagoort[1,2], Katrien Segaert[1,2]; [1]Max Planck Institute for Psycholinguistics, [2]Donders Institute for Brain, Cognition and Behaviour, Centre for Cognitive Neuroimaging, [3]University of Groningen*

A61 Processing of Negative Polarity Items in Turkish *Aydogan Yanilmaz[1], John E. Drury[1]; [1]Stony Brook University*

A62 Context influences word order predictions in Broca's region *Line Burholt Kristensen[1,2], Elisabeth Engberg-Pedersen[1], Mikkel Wallentin[2,3]; [1]University of Copenhagen, [2]Center of Functionally Integrative Neuroscience, Aarhus University Hospital, [3]Aarhus University*

A63 ERP Signatures of Intransitive Verbs' Argument Structure Violations *Angel Ramirez-Sarmiento[1], Arild Hestvik[1]; [1]University of Delaware*

Language Disorders

A64 An fMRI-equivalent of Mismatch Negativity correlates with psychological speech tests in patients with sensory aphasia *Larisa Mayorova[1,2], Oxana Fedina[2], Alexey Petrushevsky[2], Olga Martynova[1]; [1]Institute of Higher Nervous Activity and Neurophysiology of Russian Academy of Science, [2]Centre of Speech Pathology and Neurorehabilitation, Moscow*

A65 Termination processes and jargon aphasia: My mind will not stop! *Gail Robinson[1,2], Brian Butterworth[3], Lisa Cipolotti[2,4]; [1]The University of Queensland, Brisbane Australia, [2]National Hospital for Neurology and Neurosurgery, London, UK, [3]University College London, UK, [4]University of Palermo, Italy*

A66 Neural activations during nonlinguistic category learning in individuals with aphasia *Sofia Vallila-Rohter[1,2], Swathi Kiran[2]; [1]Massachusetts Institute of Technology, [2]Boston University, Aphasia Research Laboratory*

A67 Functional MRI confirms subjective experience of internal naming success in aphasia *William Hayward[1], Sarah F. Snider[1], Rhonda B. Friedman[1], Peter E. Turkeltaub[1]; [1]Georgetown University*

A68 Beta band oscillations during basic sentence comprehension in patients with schizophrenia *Kirsten Weber[1,2,3], Ellen Lau[1,2,3,4], Nathaniel Delaney-Busch[3], Matti Hämäläinen[1,2], David Henderson[1,2], Gina Kuperberg[1,2,3]; [1]Harvard Medical School, [2]Massachusetts General Hospital, [3]Tufts University, [4]University of Maryland*

A69 Silences in speech in primary progressive aphasia *Sharon Ash[1], Danielle Weinberg[1], Jenna Haley[1], Ashley Boller[1], John Powers[1], Corey McMillan[1], Murray Grossman[1]; [1]Perelman School of Medicine, University of Pennsylvania*

A70 Reduced hemispheric asymmetry in the use of weak sentential context in schizotypy *Edward W. Wlotko[1,2]; [1]University of Illinois, [2]Tufts University*

A71 Language and communication abilities in depression and Mild Cognitive Impairment: a comparative study *Lilian C. Scherer[1], Fernanda S. Loureiro[2], Eduardo L. Nogueira[2], Michele Beckert[2], Gislaine M. Jerônimo[1], Bruna Tessaro[1], Irênio G. da Silva Filho[2]; [1]Pontifical Catholic University of Rio Grande do Sul (PUCRS), Linguistics Department, Brazil, [2]Pontifical Catholic University of Rio Grande do Sul (PUCRS), Biomedical Gerontology, Institute of Geriatrics and Gerontology Brazil*

A72 Right brain, wrong verb: functional neuroanatomy of action naming in aphasia *Olga Dragoy[1], Maria Ivanova[1], Svetlana Malyutina[2], Elena Kozintseva[1,3], Yulia Akinina[1], Daniil Sevan[3], Svetlana Kuptsova[1,3], Aleksey Petrushevsky[3], Oksana Fedina[3], Evgeny Gutyrchik[4]; [1]National Research University Higher School of Economics, Russia, [2]University of South Carolina, [3]Center for Speech Pathology and Neurorehabilitation, Russia, [4]Ludwig Maximilian University of Munich, Germany*

Poster Session B

Thursday, November 7, 9:50 – 11:50 am, Emerald Ballroom

Auditory Perception, Speech Perception, Audiovisual Integration

B1 The neural basis of speech perception is task-dependent: a lesion study *Corianne Rogalsky[1], Kristin Raphel[2], Vivian Tomkovicz[2], Tasha Poppa[1], Steve Anderson[3], Hanna Damasio[2], Tracy Love[4], Gregory Hickok[1]; [1]University of California, Irvine, [2]University of Southern California, [3]University of Iowa, [4]San Diego State University and University of California, San Diego*

B2 Temporal dynamics of selective auditory attention, discrimination and sequencing: anatomically constrained aMEG studies. *Paula Tallal[1], Matt Erhart[2], Terry Jernigan[2], Timothy T. Brown[2]; [1]Rutgers University, Newark, [2]UCSD*

B3 Audio-visual integration deficits in Alzheimer's Disease (AD): clinical and theoretical implications *George Stothart[1], Nina Kazanina[1]; [1]University of Bristol*

B4 Auditory Deficits Correlate to Atrophy in the Logopenic Variant of Primary Progressive Aphasia *A. Lisette Isenberg[1], Jamie Reilly[2], Murray Grossman[1]; [1]University of Pennsylvania, [2]University of Florida*

B5 Top-down effects from sentence context on speech processing in aphasia *Neal Fox[1], Sheila E. Blumstein[1,2]; [1]Brown University, [2]Brown Institute for Brain Science*

B6 Music Perception in Aphasia: Relationship to Aphasia Subtype and Lesion Site *Juliana Baldo[1], Barbara Tillmann[2], Timothy Justus[3]; [1]VA Northern California Health Care System, [2]Lyon Neuroscience Research Center, [3]Pitzer College*

B7 Alpha phase as a marker of biased speech-in-noise perception *Antje Strauss[1], Molly Henry[1], Mathias Scharinger[1], Jonas Obleser[1]; [1]Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany*

B8 How the Brain Processes Talker Variability: The Role of Expectation *Emily Myers[1,2,3], Laura Mesite[2,3], Alexis Johns[1,3], James Magnuson[1,3]; [1]University of Connecticut, [2]Brown University, [3]Haskins Laboratories*

B9 Human superior temporal gyrus encoding of speech sequence probabilities *Matthew Leonard[1], Kristofer Bouchard[1], Edward Chang[1]; [1]University of California, San Francisco*

B10 Interplay between auditory and motor areas during phoneme and word processing investigated on a millisecond time basis *Annelies Aerts[1,2], Gregor Strobbe[3], Pieter van Mierlo[3], Robert J. Hartsuiker[4], Patrick Santens[1,2], Miet De Letter[2,5]; [1]Department of Internal Medicine, Ghent University, Belgium, [2]Department of Neurology, Ghent University Hospital, Belgium, [3]Department of Electronics and Information Systems (IMinds), Ghent University, Belgium, [4]Department of Experimental Psychology, Ghent University, Belgium, [5]Department of Speech, Language and Hearing Sciences, Ghent University, Belgium*

B11 Neural basis of multistability in auditory cortex and perceptual decision making *Amrita Basu[1]; [1]School of Cognitive Science, Jadavpur University, Kolkata, India*

B12 Temporal dynamics of speech processing: an EEG decoding study of individual spoken words within and across two languages in bilingual adults *Joao Correia[1], Elia Formisano[1], Lars Hausfeld[1], Bernadette Jansma[1], Milene Bonte[1]; [1]Department of Cognitive Neuroscience, Faculty of Psychology and Neuroscience, Maastricht University and Maastricht Brain Imaging Center (M-BIC), The Netherlands*

Motor Control, Speech Production, Sensorimotor Integration

B13 Distinct networks are engaged in speech versus non-speech monitoring *Stephanie Ries[1], Kira Xie[1], Kathleen Y. Haaland[2], Nina F. Dronkers[3], Robert T. Knight[1]; [1]Helen Wills Neuroscience Institute and Department of Psychology, University of California, Berkeley, California, USA., [2]New Mexico Veterans Affairs Healthcare System and Departments of Psychiatry and Neurology, University of New Mexico, Albuquerque, NM, USA., [3]Veterans Affairs Northern California Health Care System and University of California, Davis, California, USA.*

B14 Domain-specific and domain-general monitoring in speech production and non-linguistic choice reaction tasks *Jolien ten Velden[1], Dan Acheson[1,2], Peter Hagoort[1,2]; [1]Max Planck Institute for Psycholinguistics, Nijmegen, the Netherlands, [2]Donders Institute for Brain, Cognition and Behaviour, Radboud University, Nijmegen, The Netherlands*

B15 Behavioural and neural network components of sensorimotor integration for speech. *Benjamin Elgie[1], Mamie Shum[2], Lucas Dangler[2], Thomas Gisiger[2], Douglas M Shiller[2,3,4], Shari R Baum[2,5], Vincent L Gracco[2,5,6]; [1]Integrated Program in Neuroscience, McGill University, Montreal, Canada., [2]Centre for Research on Brain, Language and Music, Montreal, Canada., [3]School of Speech-Language Pathology and Audiology, Université de Montréal, Canada., [4]CHU Sainte-Justine Research Centre, Montreal, Canada., [5]School of Communication Sciences and Disorders, McGill University, Montreal, Canada., [6]Haskins Laboratories, New Haven, CT*

B16 Left frontal-temporal-parietal network supporting speech and its cognitive control. *Fatemeh Geranmayeh[1], Robert Leech[1], Richard J.S. Wise[1]; [1]Imperial College London*

B17 Cortical Activity Following Natural and Simulated Saccadic Eye Movements during a One-Back Word Recognition Task *Yu-Cherng Chang[1], Sheraz Khan[1], Samu Taulu[3], Emery N. Brown[1,2,4], Matti S Hämäläinen[1,2], Simona Temereanca[1,2]; [1]MGH/MIT/HMS Athinoula A. Martinos Center for Biomedical Imaging, Massachusetts General Hospital, [2]Harvard Medical School, [3]Elekta Neuromag Oy, [4]Massachusetts Institute of Technology*

B18 Oscillating speech acts: dynamic processing of naming and requesting in the brain as reflected in early and parallel beta and gamma band oscillatory dynamics *Natalia Egorova[1], Friedemann Pulvermüller[2], Yury Shtyrov[1,3,4]; [1]Medical Research Council, Cognition and Brain Sciences Unit, Cambridge, UK, [2]Brain Language Laboratory, Freie Universität Berlin, Germany, [3]Center for Functionally Integrative Neuroscience (CFIN), Aarhus University, Denmark, [4]Centre for Languages & Literature, Lund University, Sweden*

Orthographic Processing, Writing, Spelling

B19 Impaired Exception Word Reading in Aphasia: Lesion Localization *Sara Berentsen[1], Benjamin Stengel[1], Megan Rozman[1], Diane Book[1], Jeffrey Binder[1]; [1]Medical College of Wisconsin, Milwaukee*

B20 Pure agraphia: Implications for Cognitive Models of Reading and Writing/Spelling *Venu Balasuramanian[1]; [1]Seton Hall University*

B21 Language orthography and task demands modulate the engagement of regions within the reading networks *Myriam Oliver[1], Manuel Carreiras[1,2,3], Pedro M. Paz-Alonso[1]; [1]Basque Center on Cognition, Brain and Language (BCBL), Donostia-San Sebastián, Spain, [2]Ikerbasque, Basque Foundation for Science, Bilbao, Spain, [3]Departmento de Lengua Vasca y Comunicación, UPV/EHU, Bilbao, Spain*

B22 ERP Effects of Frequency and Regularity Are Modulated By Task Demands: Evidence from Categorization and Delayed Reading Aloud *Danielle S. Dickson[1], Simon Fischer-Baum[2], Kara D. Federmeier[1]; [1]University of Illinois at Urbana-Champaign, [2]Rice University*

B23 Eye-tracking measures in reading homophones and heterophones in Hebrew *Zohar Eviatar[1], Hamutal Kreiner[2], Tamar Degani[1], Orna Peleg[3]; [1]University of Haifa, [2]Ruppin Academic Center, [3]Tel Aviv University*

B24 The centro-parietal N200: A neural marker specific to visual Chinese character recognition *John Xuexin Zhang[1], Bao Zhang[2], Xiaofei Jia[3]; [1]Chinese University of Hong Kong, [2]Guangzhou University, [3]Zhejing University*

Language Development, Plasticity, Multilingualism

B25 ERPs Recorded During Early Second Language Exposure Predict Subsequent Proficiency in Adult Learners *Laura Batterink[1,2], Helen Neville[2]; [1]Northwestern University, [2]University of Oregon*

B26 No trespassing? Papiamento-Dutch conflict sites *Niels Schiller[1,2], Leticia Pablos[1,2], Parafita Couto Maria del Carmen[1,2]; [1]Leiden Institute for Brain and Cognition, [2]Leiden University Centre for Linguistics*

B27 A computational model of distinct hippocampal and cortical contributions to word learning under referential ambiguity *David Warren[1], Melissa Duff[1], Bob McMurray[1]; [1]University of Iowa*

B28 Neural patterns of mathematical processing in monolingual and bilingual speakers *Shin-Yi Fang[1], Ping Li[1], Yue Wang[2]; [1]Pennsylvania State University, [2]Simon Fraser University*

B29 Working hard really does pay off: An fMRI investigation of lexical access in L2 learners *Angela Chouinard[1], Ping Li[1], Shin-Yi Fang[1]; [1]The Pennsylvania State University*

B30 Alteration of functional connectivity between brain regions for executive control and those for language processing in bimodal bilinguals *Le Li[1], Guosheng Ding[1], Lijuan Zou[1], Xin Yan[1]; [1]Beijing Normal University*

B31 The use of cognitive control in the comprehension of Spanish-English code-switching *Jorge Valdes Kroff[1], Sharon Thomspon-Schill[1], John Trueswell[1]; [1]University of Pennsylvania*

B32 Development of Number Representations and Mappings in Bilingual 5- to 7-Year-Olds *Shirlene Wade[1], Irene Chavez[1], Jessica Valdivia[1], Jessica Sullivan[1], David Barner[1]; [1]University of California, San Diego*

B33 Inhibitory control during sentential code-switching: Evidence from fMRI *Eleonora Rossi[1,2], Sharlene Newman[3], Michele Diaz[4], Paola E. Dussias[1,2,5], Caitlin Ting[1,2], Janet G. van Hell[1,2,6]; [1]Department of Psychology, Pennsylvania State University, [2]Center for Language Science, Pennsylvania State University, [3]Department of Psychological and Brain Sciences, Indiana University, [4]Psychiatry and Behavioral Sciences, Duke University, [5]Department of Spanish, Italian, & Portuguese, Pennsylvania State University, [6]Radboud University Nijmegen*

B34 The bilingual advantage and conflict adaptation: An fMRI investigation *Susan Teubner-Rhodes[1,2], Donald J. Bolger[1], Jared Novick[1,2]; [1]University of Maryland, College Park, [2]Center for Advanced Study of Language*

B35 A framework for the automated analysis of speech production data. *Frédéric Roux[1], Wouter De Baene[4], Manuel Carreiras[1,2,3]; [1]Basque Center on Cognition, Brain and Language (BCBL), San Sebastian, Spain, [2]Ikerbasque, Basque Foundation for Science, Bilbao, Spain, [3]UPV/EHU, Universidad del Pais Basco, Spain, [4]Department of Experimental Psychology, Ghent University, Belgium*

Lexical Semantics

B36 An electrophysiological investigation of task effects in visual word recognition *Ian Hargreaves[1], Penny Pexman[1]; [1]University of Calgary*

B38 Category Specific Temporal and Spatial Dissociations as Revealed by Grouped Human Electro-Corticography *Cihan Kadipasaoglu[1], Christopher Conner[1], Vatche Baboyan[1], Nitin Tandon[1]; [1]Vivian Smith Dept. Neurosurgery, UT Houston*

B39 ERP Evidence for Language Effects on Visual Processing of Motion Events in Bilinguals *Monique Flecken[1], Vicky T. Lai[1,2]; [1]Donders Institute for Brain, Cognition and Behaviour, Radboud University Nijmegen, [2]Max Planck Institute for Psycholinguistics*

B40 A longitudinal fMRI study of semantic association and categorical relatedness on children's semantic processing *Ciao-Han Wong[1], Shiou-Yuan Chen[2], Tai-Li Chou[1,3,4]; [1]Department of Psychology, National Taiwan University, Taiwan, [2]Department of Early Childhood Education, Taipei Municipal University of Education, Taiwan, [3]Neurobiology and Cognitive Science Center, National Taiwan University, [4]Graduate Institute of Brain and Mind Sciences, National Taiwan University*

B41 Semantic processing in schizophrenia with motivational withdrawal *Fang-Chia Hsu[1], Tai-Li Chou[1,2,3], Tzung-Jeng Hwang[2,3,4]; [1]Department of Psychology, National Taiwan University, Taiwan, [2]Neurobiology and Cognitive Science Center, National Taiwan University, [3]Graduate Institute of Brain and Mind Sciences, National Taiwan University, [4]Department of Psychiatry, National Taiwan University Hospital and College of Medicine*

B42 Developmental changes of structural connectivity and effective connectivity in semantic judgments of Chinese characters *Li-Ying Fan[1], Wen-Yih Isaac Tseng[2,3,4,5], Tai-Li Chou[1,2,3]; [1]Department of Psychology, National Taiwan University, [2]Neurobiology and Cognitive Science Center, National Taiwan University, [3]Graduate Institute of Brain and Mind Sciences, National Taiwan University, [4]Center for Optoelectronic Medicine, National Taiwan University College of Medicine, Taipei, Taiwan, [5]Department of Medical Imaging, National Taiwan University Hospital*

B43 Longitudinal relation between lexical performance and regional gray matter volume *JungMoon Hyun[1], James S. Babb[2], Susan M. De Santi[3], Loraine K. Obler[1]; [1]The Graduate Center of the City University of New York, [2]New York University Medical Center, [3]GE Healthcare*

B44 Individual differences in the neurofunctional reorganization for semantic categorization in normal aging *Ikram Methqal[1,2], Jean Sebastien Provot[1,2], Oury Monchi[1,2], Yves Joanette[1,2]; [1]Centre de Recherche, Institut Universitaire de Gériatrie de Montréal, Canada, [2]Faculty of Medecine, Université de Montréal, Canada*

B45 Meta-analytic and intrinsic functional connectivity mapping of lateral temporal cortex *And Turken[1], Timothy Herron[1], Nina Dronkers[1,2]; [1]Veterans Affairs Northern California Health Care System, [2]University of California, Davis Medical School*

B46 fNIRS investigation of the impact of age related physiological changes on the preservation of semantic word processing *Mahnoush Amiri[1,2], Philippe Pouliot[1,3], Paul-Olivier Leclerc[4], Michèle Desjardins[1], F. Lesage[1,3] & Y. Joanette[3,4,5]; [1]Ecole Polytechnique of Montreal, [2]Geriatric Institut of Montreal, [3]Montreal Heart Institut, [4]University of Montreal, [5]CIHR Institute of Aging*

Discourse, Combinatorial Semantics

B47 Towards a neurophysiological characterization of the human comprehension system: Time-Frequency analysis of sentence and visual scene processing *Anne-Lise Jouen[1,2], Sullivan Hidot[1,2], Carol Madden-Lombardi[1,2,3], Jocelyne Ventre-Dominey[1,2], Peter Ford Dominey[1,2,3]; [1]INSERM Stem Cell and Brain Research Institute, Bron, France, [2]University of Lyon, France, [3]CNRS France*

B48 Early magnetic brain responses to context-related presuppositions during speech perception *Ingo Hertrich[1], Anja Wuehle[1], Mareike Kirsten[1], Sonja Tiemann[1], Sigrid Beck[1], Bettina Rolke[1]; [1]University of Tuebingen, Germany*

B49 Top-down modulation of brain networks during discourse comprehension *Jie Yang[1], Michael Andric[2], Susan Duncan[1], Anna Holt[1], Uri Hasson[2], Emily Cooper[3], Steven Small[1]; [1]Brain Circuits Laboratory, Department of Neurology, University of California, Irvine, [2]Center for Mind/Brain Sciences, The University of Trento, Italy, [3]Helen Wills Neuroscience Institute, University of California, Berkeley*

B51 Two Divided Visual Field ERP Investigations of Global Contextual Influence on Word Processing *Tristan Davenport[1], Seana Coulson[1]; [1]UCSD*

B52 Effects of Reference and Syntactic Ambiguity in Spoken Discourse *Shruti Dave[1], Megan Boudewyn[1], Matthew Traxler[1], Tamara Swaab[1]; [1]University of California, Davis*

B53 Costs and benefits of prediction: late ERP effects of lexical prediction error in noun phrases *Ellen Lau[1], Allison Fogel[1], Tania Delgado[1]; [1]University of Maryland*

B54 A critical role for the angular gyrus in combinatorial semantics: converging evidence from patients and healthy subjects *Amy Price[1], Michael Bonner[1], Jonathan Peelle[2], Murray Grossman[1]; [1]University of Pennsylvania, [2]Washington University in St. Louis*

B55 The right to image: Hemispheric differences in the use of context and mental imagery to build meaning from words *Hsu-Wen Huang[1], Kara Federmeier[2]; [1]National Taiwan Normal University, [2]University of Illinois*

B56 When meaning is not informative: Dissociating semantic composition from information processing in MEG *Ellen O'Connor[1], Liina Pylkkänen[2,3]; [1]University of Southern California, [2]New York University, [3]New York University Abu Dhabi*

B57 Reliability of gamma activity during semantic integration *Jona Sassenhagen[1], Phillip Alday[1]; [1]University of Marburg*

Syntax, Morphology

B58 Broca's area shows a distance effect for both filler-gap dependencies and backwards anaphora in fMRI *William Matchin[1], Jon Sprouse[2], Gregory Hickok[1]; [1]University of California, Irvine, [2]University of Connecticut*

B59 Neural Mechanisms Underlying the Computation of Hierarchical Tree Structures in Mathematics *Tomoya Nakai[1,2], Kuniyoshi L. Sakai[1,2]; [1]Department of Basic Science, Graduate School of Arts and Sciences, The University of Tokyo, Japan, [2]CREST, Japan Science and Technology Agency, Tokyo, Japan*

B60 Syntactic violations for content versus function words in reading: ERP evidence *Bradley T. Marcinek[1], Karsten Steinhauer[2,4], Phaedra Royle[3,4], John E. Drury[1]; [1]Stony Brook University, [2]McGill University, [3]University of Montreal, [4]Center for Research on Brain, Language and Music*

B61 Neural interfaces between morphology and syntax: Evidence from Russian *Anastasia Klimovich-Smith[1], Mirjana Bozic[2], William Marslen-Wilson[3]; [1]University of Cambridge, [2]University of Cambridge, [3]University of Cambridge*

B62 Changes in neural oscillations during naturally-paced sentence processing *Julie M. Schneider[1], Alyson D. Abel[1], Jagger McCord[1], Mandy J. Maguire[1]; [1]University of Texas at Dallas*

B63 ERP evidence for gap identification and filler-gap association in wh-island contexts *Dan Michel[1], Robert Kluender[1], Seana Coulson[1]; [1]University of California, San Diego*

Language Disorders

B64 Prosodic production in right-hemisphere stroke patients: using temporal dynamics to characterize voice quality *Ethan Weed[1], Riccardo Fusaroli[1]; [1]Aarhus University*

B65 Executive & coordination deficits contribute to language processing in Parkinson disease *Nicola Spotorno[1], Stephanie Golob[1], Giulia Porcari[1], Robin Clark[2], Corey McMillan[1], Murray Grossman[1]; [1]Department of Neurology, University of Pennsylvania School of Medicine, [2]Department of Linguistics, University of Pennsylvania*

B66 Structural and functional correlates of the left thalamus in dyslexia *Garikoitz Lerma-Usabiaga[1], Ileana Quiñones[1], Cesar Caballero[1], María P. Suarez-Coalla[2], Jon A. Duñabeitia[1], Manuel Carreiras[1,3,4], Pedro M. Paz-Alonso[1]; [1]Basque Center on Cognition, Brain and Language (BCBL), Donostia - San Sebastián, Spain, [2]Universidad de Oviedo, Spain, [3]IKERBASQUE, Basque Foundation for Science, Bilbao, Spain, [4]UPV/EHU, Bilbao, Spain*

B67 A DTI study of chronic post-stroke aphasia *Sharon Geva[1,2], Marta Correia[3], Elizabeth A Warburton[1]; [1]Department of Clinical Neurosciences, University of Cambridge, Addenbrooke's Hospital, UK, [2]Developmental Cognitive Neuroscience Unit, UCL Institute of Child Health, London, UK, [3]MRC Cognition and Brain Sciences Unit, Cambridge, UK*

B68 Individually-Targeted Transcranial Direct Current Stimulation Enhances Fluency in Patients with Chronic Non-Fluent Aphasia *Catherine Norise[1], Gabriella Garcia[2], Olu Faseyitan[2], Daniel Drebing[2], Felix Gervits[2], Roy Hamilton[1,2]; [1]Perelman School of Medicine, University of Pennsylvania, [2]Center for Cognitive Neuroscience, University of Pennsylvania*

B69 Reorganized effective connectivity associated with recovery from acute aphasia *David Gow[1,2,3], Bruna Olson[1,2], David Caplan[1,2]; [1]Massachusetts General Hospital, [2]Athinoula A. Martinos Center for Biomedical Imaging, [3]Salem State University*

B70 Abnormal Subcortical Components of the Corticostriatal System in Young Adults with DLI: A Combined Structural MRI and DTI Study *Joanna C. Lee[1], Peggy C. Nopoulos[1], J. Bruce Tomblin[1]; [1]University of Iowa*

B71 Neurobiological Change Following Intensive Therapy for Chronic Mild Aphasia: An fMRI Study *Jennifer Mozeiko[1], Emily Myers[1,2], Carl Coelho[1]; [1]University of Connecticut, [2]Brown University*

B72 Revisiting speech repetition with lesion-symptom mapping: contributions of insula, temporo-parietal cortices and the arcuate fasciculus *Katie McMahon[1], Carly Mayberry[2], Shiree Heath[3], Sophia Van Hees[1,4,5], Tracy Roxbury[1,4,5], David Copland[4,5], Greig de Zubicaray[6]; [1]Centre for Advanced Imaging, University of Queensland, Australia, [2]Queensland Cerebral Palsy and Rehabilitation Research Centre, Royal Brisbane & Women's Hospital, Australia, [3]ARC Centre of Excellence in Cognition and its Disorders (CCD) Department of Cognitive Science, Macquarie University, Australia, [4]UQ Centre for Clinical Research, University of Queensland, Australia, [5]School of Health and Rehabilitation Sciences, University of Queensland, Australia, [6]School of Psychology, University of Queensland, Australia*

Poster Session C

Thursday, November 7, 3:45 - 5:45 pm, Emerald Ballroom

Gesture, Prosody, Social and Emotional Processes

C1 Electrophysiological investigation of self-referential processing of emotionally laden language using a novel imagined-speaker paradigm *Daniel J. Frost[1], Marta Kutas[1]; [1]University of California, San Diego*

C2 Neural substrates of affective language processing: an event-related fMRI study *Brian Castelluccio[1], Jillian Schuh[2], Emily Myers[1], Inge-Marie Eigsti[1]; [1]University of Connecticut, [2]Medical College of Wisconsin*

C3 Using information from direct disgust experience to distinguish novel disgust metaphors from neutral metaphors with fMRI pattern analysis *Vesna Gamez-Djokic[1], Lisa Aziz-Zadeh[1], Srini Narayanan[2], Benjamin Bergen[3], Josh Davis[3], Tong Sheng[1]; [1]University of Southern California, [2]University of California, Berkeley, [3]University of California, San Diego*

C4 When anticipation meets emotion: Top-down anticipation and bottom-up emotional word meaning impact early word processing similarly *Vicky Tzuyin Lai[1,2], Falk Huettig[1]; [1]Max Planck Institute for Psycholinguistics Nijmegen, [2]Donders Institute for Brain, Cognition, Behavior*

C5 Social coordination limitations impact language comprehension in behavioral-variant frontotemporal dementia *Stephanie Golob[1], Teagan Bisbing[1], Giulia Porcari[1], Nicola Spotorno[1], Robin Clark[1], Murray Grossman[1], Corey McMillan[1]; [1]University of Pennsylvania*

C6 Affective Priming Effect of Music on Emotional Prosody in Williams Syndrome *Michael Pridmore[1], Cyrille Magne[1], Miriam Lense[2], Reyna Gordon[2], Alexandra Key[2], Elisabeth Dykens[2]; [1]Middle Tennessee State University, [2]Vanderbilt University*

Auditory Perception, Speech Perception, Audiovisual Integration

C7 Hemispheric contributions to auditory perception investigated by the modulation transfer function of speech *Adeen Flinker[1], David Poeppel[1]; [1]New York University*

C8 Neural oscillations, temporal modulation rate filters, and periodicity maps in human auditory cortex *Gregory Hickok[1], Alyssa Brewer[1], Kourosh Saberi; [1]Dept of Cognitive Sciences, University of California, Irvine*

C9 A Computational Model of the Peripheral Auditory System from Cochlear Stimulation to Auditory Nerve Spiking *Feng Rong[1], Grant Walker[1], Kristofor Carlson[2],*

Jeff Krichmar[2], Gregory Hickok[1]; [1]Auditory & Language Neuroscience Lab, Center for Cognitive Neuroscience, Department of Cognitive Sciences, University of California, Irvine, [2]Cognitive Anteater Robotics Lab, Department of Cognitive Sciences, University of California, Irvine

C10 Causal Inference in Multisensory Speech Perception *John Magnotti[1], Wei Ji Ma[2], Michael Beauchamp[2]; [1]University of Texas Medical School at Houston, [2]Baylor College of Medicine*

C11 How common is the McGurk-MacDonald effect? *Debshila Basu Mallick[1], John F. Magnotti[2], Michael S. Beauchamp; [1]Rice University, Houston, Texas, [2]University of Texas Health Science Center At Houston*

C12 MVPA of Phonetic Features During Speech Perception *Jessica Arsenault[1,2], Bradley Buchsbaum[1,2]; [1]Rotman Research Institute, [2]University of Toronto*

C13 A meta-analysis of semantic and syntactic processing in language comprehension *Patti Adank[1], Sylvia Vitello[1], Anna Woollams[2], Jennifer Rodd[1]; [1]Division of Psychology and Language Sciences, University College London (UCL), UK, [2]School of Psychological Sciences, University of Manchester, UK*

C14 Modality dependence in sentence level and word level processing: an FMRI study *Julia Udden[1,2], Annika Hulten[1,2], Karl Magnus Petersson[1,2], Peter Hagoort[1,2]; [1]Max Planck Institute for Psycholinguistics, Nijmegen, The Netherlands, [2]Radboud University Nijmegen, Donders Institute for Brain, Cognition and Behaviour, Donders Centre for Cognitive Neuroimaging, Nijmegen, The Netherlands*

C15 Lexical tone processing in Chinese reading *Veronica Kwok[1,2], Li-Hai Tan[1,2]; [1]State Key Laboratory of Brain and Cognitive Sciences, University of Hong Kong, [2]Department of Linguistics, University of Hong Kong*

C16 Electrophysiological measurements of letter-sound congruency effects *Emily Coderre[1], Zachary Fisher[1], Barry Gordon[1], Kerry Ledoux[1]; [1]Johns Hopkins University School of Medicine*

Motor Control, Speech Production, Sensorimotor Integration

C17 High gamma analysis of cortical responses to voice pitch feedback perturbation reveals network driving error correction. *Naomi S Kort[1], Srikantan S Nagarajan[1], John F Houde[1]; [1]University of California, San Francisco*

C18 Monitoring of emotional information during spoken word production: an fMRI study *Katharina Sass[1], Katie McMahon[1], Kori Johnson[1], Greig de Zubicaray[1]; [1]The University of Queensland*

C19 Second language communication and anxiety: An fMRI study *Hyeonjeong Jeong[1], Motoaki Sugiura[1], Yuko Sassa[1], Hiroshi Hashizume[1], Wataru Suzuki[2], Ryuta Kawashima[1]; [1]Tohoku University, [2]Miyagi University of Education*

C20 The Effects of Perceived Similarity and Training on Novel Speech Acquisition: an fMRI study *Victoria Wagner[1], Ferenc Bunta[1], Pilar Archila-Suerte[1], Arturo E. Hernandez[1]; [1]University of Houston*

C21 Characterizing preoperative hemispheric asymmetries of cortical structures and language functions in left-hemisphere tumor patients via navigated transcranial magnetic stimulation *Noriko Tanigawa[1], Nico Sollmann[2], Theresa Hauck[2], Sebastian Ille[2], Bernhard Meyer[2], Florian Ringel[2], Sandro M. Krieg[2]; [1]University of Oxford, [2]Technical University of Munich*

C22 Neural basis of the word frequency effect in a picture naming task. *Ana Sanjuán[1,2], María-Ángeles Palomar-García[1], Kristof Strijkers[3], Noelia Ventura-Campos[1], Elisenda Bueichekú[1], César Ávila[1], Albert Costa[3]; [1]Grupo de Neuropsicología y Neuroimagen Funcional, Departamento de Psicología Básica, Clínica y Psicobiología, Universitat Jaume I, Castellon, Spain, [2]Language Group, Wellcome Trust Centre for Neuroimaging, University College of London, UK, [3]Departamento de Psicología Básica, Universitat de Barcelona, Spain*

Orthographic Processing, Writing, Spelling

C23 The Role of the Visual Word Form Area in Spelling: fMRI Evidence for a Lexical Route from Phonology to Orthography *Philipp Ludersdorfer[1], Martin Kronbichler[1,2], Heinz Wimmer[1]; [1]Centre for Neurocognitive Research and Department of Psychology, University of Salzburg, Austria, [2]Neuroscience Institute, Christian-Doppler-Clinic, Paracelsus Medical University Salzburg, Austria*

C24 Suppression of Phonological Recoding for High Frequency Words: Evidence from Single Unit Firing in Human Left Superior Temporal Gyrus *Erik Kaestner[1], Alexander Chan[2], Sydney Cash[2], Eric Halgren[1]; [1]University of California, San Diego, [2]Massachusetts General Hospital, Boston*

C25 An ERP investigation of adjacent and non-adjacent transposed-letter priming *Maria Ktori[1], Thomas Hannagan[1], Brechtsje Kingma[2], Phillip Holcomb[3,4], Jonathan Grainger[1]; [1]CNRS and Aix-Marseille University, Marseille, France, [2]University of Groningen, Groningen, The Netherlands, [3]Tufts University, Medford, Massachusetts, [4]San Diego State University*

C26 Decoding Letter Position in Word Reading *Ori Ossmy[1,2], Michal Ben-Shachar[3,4], Roy Mukamel[1,2]; [1]Sagol School of Neuroscience, Tel-Aviv University, [2]School of Psychological Sciences, Tel-Aviv University, [3]The Gonda Multidisciplinary Brain Research Center, Bar-Ilan University, [4]English Department, Linguistics Division, Bar-Ilan University*

C27 The Visual Word Form Area is Functionally Connected to the Language System: The Importance of Individual Variability *W. Dale Stevens[1], Cynthia S. Peng[1], Alex Martin[1]; [1]National Institute of Mental Health, National Institutes of Health, Bethesda, MD, US*

Language Development, Plasticity, Multilingualism

C28 Proficiency and L1 background effects on L2 prosodic processing: ERP evidence from German and Chinese learners of English *Stefanie Nickels[1,2], Karsten Steinhauer[1,2]; [1]McGill University, [2]Centre for Research on Brain, Language and Music (CRBLM)*

C29 How our emotions affect our first and second language? An ERP study *Horacio A. Barber[1], Pedro-Javier López-Pérez[1], Maartje van der Meij[1]; [1]University of La Laguna, Spain*

C30 Culture-specific inter-lexical relations in the bilingual's lexicon : an ERP study *Nina Kazanina[1], Tingting Xu[2]; [1]University of Bristol, [2]Shanghai Yunqishi Management Consulting*

C31 Shape or detail? An electrophysiological investigation of object recognition processes related to language development in 20-month-olds *Kristina Borgstrom[1], Janne von Koss Torkildsen[2], Magnus Lindgren[1]; [1]Lund University, Sweden, [2]University of Bergen, Norway*

C32 When shark is closer to bat than to whale: The structure of second language lexicon *Katy Borodkin[1], Yoed N. Kenett[1], Miriam Faust[1], Nira Mashal[1]; [1]Bar-Ilan University*

C33 N400 evidence of word learning from context in adolescent children *Mandy Maguire[1], Alyson Abel[1]; [1]University of Texas at Dallas, Callier Center for Communication Disorders*

C34 The influence of imagery-based training and individual variability on foreign vocabulary learning *Kailyn A. L. Bradley[1], Arturo E. Hernandez[1]; [1]University of Houston*

C35 Timing is everything in the bilingual brain: The effect of language exposure on using meaning and language membership information during lexical access *Shukhan Ng[1], Nicole Wicha[1,2]; [1]University of Texas at San Antonio, [2]University of Texas Health Science Center at San Antonio*

C36 Lateralization and Language Creativity: Developmental Transition from Adolescence to Young Adulthood *Smadar Patael[1], Katy Borodkin[1], Miriam Faust[1]; [1]Bar-Ilan University*

C37 Cross-language verb-noun priming in the bilingual brain *Isel Frederic[1,2], Engel Andreas K[2], Schneider Till R[2]; [1]Institute of Psychology, Sorbonne Paris Cité - Paris Descartes University, France, [2]Department of Neurophysiology and Pathophysiology, University Medical Center Hamburg-Eppendorf, Hamburg, Germany*

Lexical Semantics

C38 Non-Motoric Aspects of Action Concepts *Anna Leshinskaya[1], Alfonso Caramazza[1,2]; [1]Harvard University, [2]University of Trento*

C39 2 X 3 = six: An ERP study of written words in multiplication-fact retrieval *Amanda Martinez-Lincoln[1], Charlie Giattino[2], Curtiss Chapman[3], Nicole Wicha[1,4]; [1]The University of Texas at San Antonio, [2]Duke University, [3]Rice University, [4]The University of Texas Health Science Center - San Antonio*

C40 Differential time-course for prediction and integration during sentence comprehension *T. Brothers[1], T. Y. Swaab[1], M. Traxler[1]; [1]University of California, Davis*

C41 Repetition of form and meaning in sentence contexts: An ERP study of repetition priming using ambiguous words *Mariya Chernenok[1], Barry Gordon[1], Kerry Ledoux[1]; [1]The Johns Hopkins University School of Medicine*

C42 Semantic priming in temporal lobe epilepsy: an ERP study. *Amanda Guadalupe Jaimes Bautista[1,2], Mario A. Rodríguez Camacho[2], Yaneth Rodríguez Agudelo[1], Iris Martínez Juárez[1], Rubén Torres Agustín[1,2]; [1]Instituto Nacional de Neurología y Neurocirugía de México, [2]Universidad Nacional Autónoma de México*

C43 White matter disease correlates with lexical retrieval deficits in primary progressive aphasia *John P. Powers[1], Corey T. McMillan[1], Caroline C. Brun[1], Paul A. Yushkevich[1], James C. Gee[1], Murray Grossman[1]; [1]University of Pennsylvania*

C44 White matter structural connectivity underlying semantic processing: Evidence from brain damaged patients *Zaizhu Han[1], Yujun Ma[1], Gaolang Gong[1], Yong He[1], Alfonso Caramazza[2,3], Yanchao Bi[1]; [1]Beijng Normal University, China, [2]Harvard University, [3]University of Trento, Italy*

C45 The degree of imageability of abstract nouns and verbs influences processing in Alzheimer's disease and healthy aging *Jet M. J. Vonk[1,2], Roel Jonkers[1], Loraine K. Obler[2]; [1]University of Groningen, [2]The Graduate School and University Center of the City University of New York*

C46 Damage to gray and white matter is associated with distinct semantic interference effects in language production and comprehension. *Denise Y. Harvey[1], A. Cris Hamilton[1], Tatiana T. Schnur[1]; [1]Rice University*

C47 Effects of Contextual Priming on Novel Word Learning in Healthy Adults *Amy Rodriguez[1], Emma Finch[1], Anna MacDonald[1], David Copland[1]; [1]The University of Queensland*

Syntax, Morphology

C48 Individual differences in discrimination of musical rhythms relate to expressive language skills in children *Reyna Gordon[1], Carolyn Shivers[1,2], Elizabeth Wieland[2], Sonja Kotz[3], Paul Yoder[1], J. Devin McAuley[2]; [1]Vanderbilt University, [2]Michigan State University, [3]Max Planck Institute for Human Cognitive and Brain Sciences*

C49 Actor-Undergoer Asymmetry in Learning Case Marking Strategies *Luming Wang[1], Matthias Schlesewsky[2], Kamal Kumar Choudhary[3], Ina Bornkessel-Schlesewsky[1]; [1]Department of Germanic Linguistics, University of Marburg, [2]Department of English and Linguistics, Johannes Gutenberg-University Mainz, [3]Department of Humanities and Social Sciences, Indian Institute of Technology Ropar*

C50 Matching utterances with visual scenes: neurocomputational investigation of the language-vision interface *Victor Barrès[1], Michael Arbib[1]; [1]USC*

C51 The Role of Syntagmatic and Paradigmatic Relations in Noun-Verb Dissociation: an fMRI study *Roza Vlasova[1], Tatiana Akhutina[3], Ekaterina Pechenkova[2,4], Valentin Sinitsyn[2], Elena Mershina[2], Maria Ivanova[1]; [1]National Research University Higher School of Economics, [2]Federal Center of Medicine and Rehabilitation, [3]Lomonosov Moscow State University, [4]Institute of Practical Psychology and Psychoanalysis*

C52 Patients with Lesions in Broca's Area can Produce Syntactically-Complex Sentences *Francesca Beghin[1,3], Nina Dronkers[1,2]; [1]VA Northern California Health Care System, [2]University of California, Davis, [3]University of Padova, Italy*

C53 Introducing grammar tests to the intracarotid amobarbital procedure *Monika Polczynska[1,2], Susan Curtiss[1], Mike Jones[1], Celia Vigil[1], Patricia Walshaw[1], Prabha Siddarth[1], Jeni Yamada[3], Susan Bookheimer[1]; [1]UCLA, [2]Adam Mickiewicz University, [3]Independent Scholar*

Control, Selection, Working Memory

C54 Response time and language cortex response in a one-back memory task for words depends on trial history further back *Mikkel Wallentin[1,2], Ian Rynne[2], Jákup L. D. Michaelsen[2], Rasmus H. Nielsen[2]; [1]Center of Functionally Integrative Neuroscience, Aarhus University, [2]Center for Semiotics, Aarhus University*

C55 If so many are "few", how few are "many"? *Stefan Heim[1,2,3], Corey T. McMillan[4], Robin Clark[4], Stephanie Golob[4], Nam Eun Min[4], Christopher Olm[4], John Powers[4], Murray Grossman[4]; [1]RWTH Aachen University, Germany, [2]Research Centre Juelich, Germany, [3]JARA - Translational Brain Medicine, Juelich and Aachen, Germany, [4]University of Pennsylvania, US*

C56 Language and Task Switching in the Bilingual Brain: Bilinguals Are Forever in a Stay Trial *Gali H. Weissberger[1], Tamar H. Gollan[2], Mark W. Bondi[2,3], Christina E. Wierenga[2,3]; [1]San Diego State University and University of California, San Diego Joint Doctoral Program in Clinical Psychology, [2]University of California, San Diego, [3]VA San Diego Healthcare System*

C57 Conceptual proposition mechanisms in primary progressive dynamic aphasia with Parkinsonism *Gail Robinson[1]; [1]School of Psychology, The University of Queensland, Brisbane Australia, [2]National Hospital for Neurology and Neurosurgery, London UK*

C58 Characterizing Alexia and Aphasia Using Eye-Movements *Kimberly Smith[1], Joseph Schmidt[1], John Henderson[1], Julius Fridriksson[1]; [1]University of South Carolina*

C59 Common but not familiar: hippocampal amnesia reduces subjective familiarity of common words *Melissa Duff[1], Nathaniel Klooster[1], David Warren[1]; [1]University of Iowa*

C60 Deficits in semantic processing and verbal memory correlate with imaging biomarkers: A multimodal imaging study for Alzheimer's disease *Fan-Pei Gloria Yang[1], Ya-Fang Chen[2], Ta-Fu Chen[3], Tien-Wen Tseng[3], Jia-Chun Chen[3,4], Kai-Yuan Tzen[5,6], Mau-Sun Hua[3,4], Ming-Jang Chiu[3,4,7,8]; [1]Department of Foreign Languages and Literature, National Tsing Hua University, Taiwan, [2]Department of Medical Imaging, College of Medicine, National Taiwan University, [3]Department of Neurology and College of Medicine, National Taiwan University, [4]Department of Psychology, National Taiwan University, [5]Department of Nuclear Medicine, National Taiwan University Hospital, College of Medicine, [6]Molecular Imaging Center, National Taiwan University, [7]Institute of Brain and Mind Sciences, College of Medicine, National Taiwan University, [8]Graduate Institute of Biomedical Engineering and Bio-informatics, National Taiwan University*

C61 What does the left prefrontal cortex do for sentence production? Evidence from tDCS *Nazbanou Nozari[1], Jennifer Arnold[2], Sharon Thompson-Schill[1]; [1]University of Pennsylvania, [2]University of North Carolina at Chapel Hill*

C62 Gamma responses are larger during picture naming of animals compared to that of non-animals *Eishi Asano[1,2], Katsuaki Kojima[1,2], Erik C Brown[1,2], Naoyuki Matsuzaki[1,2]; [1]Children's Hospital of Michigan, [2]Wayne State University*

Language Disorders

C63 Relations between Aging, Memory and Language in Amnesia: Longitudinal Data from Amnesic H.M. on Recall of Phonological, Orthographic and Lexical-semantic Information *Don MacKay[1], Laura Johnson; [1]University of California, Los Angeles*

C64 Large-scale neural networks' dynamics in language and recovery from aphasia: Functional connectivity data *Francis Tremblay[1,2], Édith Durand[1,2], Karine Marcotte[1,2], Ana Inés Ansaldo[1,2]; [1]Centre de Recherche de l'Institut Universitaire de Gériatrie de Montréal, [2]Université de Montréal*

C65 A role for the left temporoparietal cortex in abstract concept representation and semantic relationships *Laura M. Skipper[1], Dan Mirman[2], Ingrid R. Olson[1]; [1]Temple University, [2]Moss Rehabilitation Research Institute*

C66 The importance of the ipsi- and contralesional frontal and temporal regions in language recovery in aphasia *Jordyn A. Sims[1], Kushal Kapse[1], Peter Glynn[1], Swathi Kiran[1]; [1]Aphasia Research Laboratory, Boston University, Sargent College*

C67 Using a Multivariate Multimodal Framework to Define the Neuroanatomic Basis for Confrontation Naming in Frontotemporal Degeneration *Philip Cook[1], Corey McMillan[2], Brian Avants[1], Jonathan Peelle[3], James Gee[1], Murray Grossman[2]; [1]Dept of Radiology, University of Pennsylvania, [2]Dept of Neurology, University of Pennsylvania, [3]Dept of Otolaryngology, Washington U of St. Louis*

C68 Neural Correlates of the Effect of Speech Rate on Lexical Access and Syntactic Dependencies During Sentence Comprehension *Michelle Ferrill[1], Matthew Walenski[2], Corianne Rogalsky[3], Tracy Love[1,2]; [1]SDSU/ UCSD Joint Doctoral Program in Language and Communicative Disorders, [2]San Diego State University, [3]University of California, Irvine*

C69 Involvement of hippocampal subfields in memory performance in semantic variant and logopenic variant primary progressive aphasia *Khaing Win[1,3], John Pluta[2], Paul Yushkevich[2], David Wolk[1,3], Murray Grossman[1,3]; [1]Neuroscience Graduate Group, University of Pennsylvania, [2]Penn Image Computing and Science Lab, University of Pennsylvania, [3]Department of Neurology, Hospital of University of Pennsylvania*

C70 Three Critical Lesion Sites for Persistent Speech Production Deficits After Stroke *Thomas Hope[1], Mohamed Seghier[1], Louise Lim[1], Alex Leff[2], Cathy Price[1]; [1]Wellcome Trust Centre for Neuroimaging, University College London, UK, [2]Institute of Cognitive Neuroscience, University College London, UK*

C71 Voxel-based lesion-symptom mapping of naming, fluency and repetition deficits after surgical resection *Stephen M. Wilson[1], Daniel Lam[2], Miranda Babiak[2], Edward F. Chang[2]; [1]University of Arizona, [2]University of California, San Francisco*

C72 Effects of the Metabolic Syndrome on Lexical Retrieval and Sentence Processing in Aging *Dalia Cahana-Amitay[1,3], Avron Spiro[1,2,3], Jason Cohen[5], Emmanuel Ojo[1,3], Jesse Sayers[1,3], Abigail Oveis[1,3], Loraine Obler[1,3,4], Martin Albert[1,3]; [1]Boston University School of Medicine, [2]Boston University School of Public Health, [3]VA Boston Healthcare System, [4]City University of New York, [5]Albert Einstein College of Medicine*

C73 The relationship between naming treatment outcomes and resting state functional connectivity in post-stroke anomia *Sophia van Hees[1,2], Katie McMahon[3], Anthony Angwin[2], Greig de Zubicaray[4], Stephen Read[5], David Copland[1,2,6]; [1]Centre for Clinical Research, University of Queensland, Brisbane, Australia, [2]School of Rehabilitation Sciences, University of Queensland, Brisbane, Australia, [3]Centre for Advanced Imaging, University of Queensland, Brisbane, Australia, [4]School of Psychology, University of Queensland, Brisbane, Australia, [5]Royal Brisbane and Women's Hospital, Neurology, Brisbane, Australia, [6]Centre for Clinical Research Excellence in Aphasia Rehabilitation*

Poster Session D

Friday, November 8, 9:50 – 11:50 am, Emerald Ballroom

Auditory Perception, Speech Perception, Audiovisual Integration

D1 McGurk Effect Perceivers Are More Likely to Fixate the Mouth of the Talker *Michael Beauchamp[1], Edgar Walker[2], Demet Gurler[1]; [1]University of Texas Medical School at Houston, [2]Baylor College of Medicine*

D2 Adjust the expectation of the phonetic form of words according to a talker's voice: A phonological mismatch negativity study *Caicai Zhang[1,2], James Magnuson[3,4], Nicole Landi[3,4], Gang Peng[1,2], William S-Y. Wang[1,2]; [1]Language and Cognition Laboratory, Department of Linguistics and Modern Languages, The Chinese University of Hong Kong, Hong*

Kong SAR, [2]Language Engineering Laboratory, The Chinese University of Hong Kong, Hong Kong SAR, [3]Department of Psychology, University of Connecticut, U.S.A., [4]Haskins Laboratories, Yale University, U.S.A.

D3 Phase reset during speech and non-speech discrimination revealed by independent component analysis of event-related EEG *Andrew Bowers[1], Tim Saltuklaroglu[2], Ashley Harkrider[2]; [1]University of Arkansas, Department of Communication Disorders, [2]University of Tennessee, Health Science Center, Department of Audiology and Speech-Pathology*

D4 Effects of Production Training and Perception Training on Lexical Tone Perception - A behavioral and ERP study *Shuang Lu[1], Eric Holgate[2], Ratree Wayland[1], Edith Kaan[1]; [1]University of Florida, [2]Haskins Laboratories*

D5 Grey matter volume in SMA predicts individual differences in auditory imagery *Nadine Lavan[1], Cesar Lima[1,2], Andrea Halpern[3], Sam Evans[1], Zarinah Agnew[1], Sophie Scott[1]; [1]Institute of Cognitive Neuroscience, University College London, [2]Faculty of Psychology and Education, University of Porto, [3]Psychology Department, Bucknell University*

D6 Brain dynamics of processing speech sound omissions in predictive and non-predictive contexts *Mathias Scharinger[1], Alexandra Bendixen[2], Antje Strauß[1], Molly Henry[1], Björn Herrmann[1], Jonas Obleser[1]; [1]Max Planck Research Group "Auditory Cognition", Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany, [2]Institute for Psychophysiology of Hearing, University of Oldenburg, Germany*

D7 Meta-analytic connectivity modeling (MACM) of anterior vs. posterior superior temporal sulcus *Laura Erickson[1], Josef Rauschecker[1], Peter Turkeltaub[1]; [1]Georgetown University*

D8 Functional and structural brain aging and speech perception: new evidence *Pascale Tremblay[1,2], Mylène Bilodeau-Mercure[1,2], Marc Sato[3], Catherine Lortie[1,2], Matthieu Guitton[1,2]; [1]Institut Universitaire en Santé Mentale de Québec, [2]Université Laval, [3]GIPSA-lab, CNRS and Université de Grenoble*

D9 Tracking of speech rhythm by neuronal oscillations: an MEG study on natural fast speech perception *Hannu Laaksonen[1,2], Karim Jerbi[2], Véronique Boulenger[1]; [1]Laboratoire Dynamique du Langage, CNRS/Université Lyon, France, [2]Lyon Neuroscience Research Center, University Lyon, France*

D10 Eye position influences on auditory processes measured from within the external ear canal *Kurtis Gruters[1,2], Christopher Shera[4], Jennifer M. Groh[1,2,3]; [1]Center for Cognitive Neuroscience, Duke University, [2]Dept. of Psychology and Neuroscience, Duke University, [3]Dept. of Neurobiology, Duke University, [4]Dept. of Otology & Laryngology and Health Sciences & Technology, Harvard Medical School*

D11 Perception of synthesized Russian back vowels. *Tatiana Smirnova[1], Nadezhda Andreeva[2]; [1]Skolkovo Institute of Science and Technology, [2]Saint Petersburg State University*

Motor Control, Speech Production, Sensorimotor Integration

D12 Challenging the Role of the Anterior Insula in Motor Speech Production: Further Evidence from Case Studies *Alexandra Basilakos[1], Dana Moser[2], Paul Fillmore[1], Julius Fridriksson[1]; [1]University of South Carolina, [2]University of New Hampshire*

D13 Lesion correlates of quantitative speech measures in left hemisphere stroke *Adam Jacks[1], Katarina Haley[1], Julius Fridriksson[2], Heidi Roth[1]; [1]The University of North Carolina at Chapel Hill, [2]University of South Carolina*

D14 The Superior Precentral Gyrus of the Insula (SPGI) does not selectively support articulation *Evelina Fedorenko[1], Paul Fillmore[2], Kimberly Smith[2], Julius Fridriksson[2]; [1]MIT, [2]University of South Carolina*

D15 Combining psycholinguistic and motor control models of speech production *Grant Walker[1], Gregory Hickok[1]; [1]University of California, Irvine*

D16 fMRI evidence for monitoring and inhibition of inappropriate words in speech production. *Samuel J. Hansen[1], Katie L. McMahon[2], Greig I. de Zubicaray[1]; [1]University of Queensland, School of Psychology, [2]University of Queensland, Centre for Advanced Imaging*

D17 Minimal neurofunctional changes associated with high level of verbal fluency performance in aging *Yannick Marsolais[1,2], Yves Joanette[1,3]; [1]Centre de recherche, Institut universitaire de gériatrie de Montréal, Québec, Canada, [2]Département de psychologie, Université de Montréal, Québec, Canada, [3]Faculté de médecine, Université de Montréal, Québec, Canada*

D18 Brain networks for object naming: Comparison of MEG with hemodynamic imaging and lesion data *Panagiotis Simos[1], Abdou Mousas[1], Roozbeh Rezaie[2], Shalini Narayana[2], Andrew Papanicolaou[2]; [1]University of Crete, Greece, [2]University of Tennessee Health Science Center*

D19 Beta EEG activities reflect a close relationship between language comprehension and motor function *Sabine Weiss[1], Horst M. Müller[1]; [1]Bielefeld University*

Orthographic Processing, Writing, Spelling

D20 Examining the effects of lexical quality on masked form priming effects using event-related potentials *Adeetee Bhide[1], Joseph Stafura[1], Ben Rickles[1], Charles Perfetti[1]; [1]University of Pittsburgh*

D21 Building a Better Network: artificial orthographies and the serial decoding scaffold *Elliot Collins[1], Michelle Moore[2,1], Corrine Durisko[1], Julie Fiez[1]; [1]University of Pittsburgh, [2]West Virginia University*

D22 Focus on the word: Early effects of repetition are modulated by readers' goals. *Giulia Christine Pancani[1], Joseph Hopfinger[1], Peter Gordon[1]; [1]The University of North Carolina at Chapel Hill*

D23 The Visual Word Form Area May Not be Specific to Words: Evidence from Functional Neuroimaging and Response Time Measures *Layla Gould[1], Marla Mickleborough[1], Kathryn Anton[1], Chelsea Ekstrand[1], Paul Babyn[1], Ron Borowsky[1]; [1]University of Saskatchewan*

Language Development, Plasticity, Multilingualism

D24 Do Structurally Asymmetrical Regions of Language-Relevant Cortex Differ in Gyrification? *Adam Daily[1], David Vazquez[1], Adam Felton[1], Christine Chiarello[1]; [1]University of California, Riverside*

D25 Word Inversion Reveals Native Language Influences on Lexical Organization in a Second Language *Travis Simcox[1], Gal Ben-Yehudah[2], Charles Perfetti[1], Julie Fiez[1]; [1]University of Pittsburgh, [2]The Open University of Israel*

D26 Differential electrophysiological effects of L1 word processing as a function of pre-exposure to L2 wordforms *He Pu[1], Katherine J. Midgley[1,2], Phillip J. Holcomb[1,2]; [1]Tufts University, [2]San Diego State University*

D27 Implicit sublexical access to the first language: An ERP study on Chinese-English bilinguals *Jin Xue[1], Jie Yang[2]; [1]School of English Language, Literature and Culture and Center for Language and Cognition, Beijing International Studies University, China, [2]Department of Neurology, University of California, Irvine*

D28 Does phonology influence word learning in a visually unfamiliar L2? A training study with ERP *Yen Na Yum[1,2], Katherine J. Midgley[1,3], Jonathan Grainger[4], Phillip J. Holcomb[1,3]; [1]Tufts University, [2]University of Hong Kong, [3]San Diego State University, [4]CNRS & Aixs-Marseille University*

D29 Learning to read shapes the orthography consistency effect in Chinese spoken word recognition *Yu-Lin Tzeng[1], Wen-Fan Chen[2], Chun-Hsien Hsu[2], Jie-Li Tsai[3], Chia-Ying Lee[1,2]; [1]Institute of Neuroscience, National Yang-Ming University, Taiwan, [2]Institute of Linguistics, Academia Sinica, Taiwan, [3]Department of Psychology, National Chengchi University, Taiwan*

D30 Modulation of temporal cortical and striatal activity during recognition of novel words learnt with the dopamine precursor levodopa *Alicia Rawlings[1], Katie McMahon[2], Anna MacDonald[1], Emma Finch[3], Peter Silburn[1], Pradeep Nathan[4], David Copland[1,3]; [1]Centre for Clinical Research, University of Queensland, Herston, Australia, [2]Centre for Advanced Imaging, University of Queensland, St. Lucia, Australia, [3]School of Health and Rehabilitation Science, University of Queensland, St. Lucia, Australia, [4]Department of Psychiatry, Cambridge University, UK*

D31 Neural language processing in adolescent first-language learners: Longitudinal case studies in American Sign Language *Naja Ferjan Ramirez[1], Matthew Leonard[2], Christina Torres[1], Eric Halgren[1], Rachel Mayberry[1]; [1]University of California, San Diego, [2]University of California, San Francisco*

D32 Neural processing of written language in deaf readers: An event-related potential analysis *Alison S. Mehravari[1], Lee Osterhout[1]; [1]University of Washington*

Lexical Semantics

D33 Object-specific coding in human perirhinal cortex is modulated by semantic confusability *Alex Clarke[1], Lorraine K Tyler[1]; [1]University of Cambridge*

D34 Semantic Word Processing Recruits Cortical Areas Involved in the Integration of Sensory-Motor Information *Leonardo Fernandino[1], Jeffrey Binder[1], Rutvik Desai[2], Suzanne Pendl[1], Colin Humphries[1], Lisa Conant[1], Mark Seidenberg[3]; [1]Medical College of Wisconsin, [2]University of South Carolina, [3]University of Wisconsin, Madison*

D35 Cued word-retrieval as a nonhomogeneous Poisson process: Evidence from inter-response intervals in semantic cued-word recall tasks *Kyongje Sung[1], David Schretlen[1], Barry Gordon[1]; [1]The Johns Hopkins University School of Medicine*

D36 The role of the inferior parietal lobule for integrating meanings with orthographic similarity *Shu-Hui Lee[1], Tai-Li Chou[1]; [1]National Taiwan University*

D37 Study of the human retrosplenial cortex during auditory and visual naming through grouped electro-corticography and cortical stimulation mapping *Cihan Kadipasaoglu[1], Tom Pieters[1], Vatche Baboyan[1], Christopher Conner[1], Nitin Tandon[1]; [1]Vivian Smith Dept. Neurosurgery, UT Houston*

D38 Spatial Arrangement of Vertically Related Word Pairs affects the N400 Component *Cyrille Magne[1], Tyler Hubbard[1], William Langston[1]; [1]Middle Tennessee State University*

D39 Recovery from Anomia Following Semantic Feature Analysis: Therapy-Induced Neuroplasticity Relies upon a Circuit Involving Motor and Language Processing Areas *Edith Durand[1], Ana Inès Ansaldo[1]; [1]Centre de Recherche de l'Institut Universitaire de Geriatrie de Montreal*

Discourse, Combinatorial Semantics

D40 Semantic illusions reveal cross-linguistic differences in auditory sentence processing: Evidence from EEG and fMRI. *Sarah Tune[1], Steven L. Small[2], Arne Nagels[1], Matthias Schlesewsky[3], Ina Bornkessel-Schlesewsky[1]; [1]University of Marburg, Germany, [2]University of California, Irvine, [3]University of Mainz, Germany*

D41 Predictability and Plausibility in Sentence Comprehension: An ERP Study *Megan D. Bardolph[1], Seana Coulson[1]; [1]University of California, San Diego*

D42 The role of left anterior temporal lobe in semantic integration: Evidence from Event-Related Optical Signals *Jian Huang[1,2], Suiping Wang[1], Hsuan-Chih Chen[2]; [1]South China Normal University, Guangzhou, China, [2]Chinese University of Hong Kong, Hong Kong S.A.R., China*

D43 Pre-Activation of Semantic Features in Spoken Discourse *Megan A. Boudewyn[1], Debra L. Long[1], Tamara Y. Swaab[1]; [1]University of California, Davis*

D44 Sentence processing reflected in oscillatory and event-related brain activity *Nietzsche Lam[1,2], Annika Hultén[1,2], Julia Uddén[1,2], Jan-Mathijs Schoffelen[1,2], Peter Hagoort[1,2]; [1]Max Planck Institute for Psycholinguistics, Nijmegen, The Netherlands, [2]Radboud University Nijmegen, Donders Institute for Brain, Cognition and Behaviour, Donders Centre for Cognitive Neuroimaging, Nijmegen, The Netherlands*

D45 A tale of two hubs: a multi-voxel similarity analysis of semantic composition types in left anterior temporal lobe and angular gyrus *Christine Boylan[1], John C. Trueswell[1], Sharon L. Thompson-Schill[1]; [1]University of Pennsylvania*

D46 Conceptual combination vs. numeral quantification in the left anterior temporal lobe: MEG evidence from production and comprehension *Paul Del Prato[1,2], Liina Pylkkänen[1,2]; [1]NYU, [2]NYU Abu Dhabi*

Syntax, Morphology

D47 Individual Performance on the Raven Matrices Predicts Brain Responses to Visual Word Category Violation *Nicolas Bourguignon[1,2,4], Karsten Steinhauer[3,4]; [1]École d'orthophonie et d'audiologie, Université de Montréal, [2]Laboratoire de la Parole, CHU Ste-Justine, Université de Montréal, [3]Neurocognition of Language Laboratory, School of Communication Sciences and Disorders, McGill University, [4]Center for Research on the Brain, Language and Music, McGill University*

D48 Dimensions of argument structure complexity: Evidence from fMRI *Jennifer Mack[1], Aya Meltzer-Asscher[2], Elena Barbieri[1], Ellen Fitzmorris[1], Cynthia K. Thompson[1]; [1]Northwestern University, [2]Tel Aviv University*

D49 Morpho-syntax and the aging brain: An ERP study of sentence comprehension in older adult Spanish speakers *Alondra Chaire[1], Viridiana Estrada[1], Nicole Wicha[1,2]; [1]The University of Texas at San Antonio, [2]The University of Texas Health Science Center - San Antonio*

D50 Sentence Processing: Reflexives vs Syntactic Movement. An ERP Study *Ruben Torres Agustin[1,2], Mario A. Rodriguez Camacho[2], Juan F. Silva Pereyra[2], Yaneth Rodriguez Agudelo[1], Amanda G. Jaimes Bautista[1,2], Martha Alejandra Gomez Lopez[2]; [1]National Institute of Neurology and Neurosurgery, Mexico, [2]National Autonomous University of Mexico*

D51 ERP responses to portioning and sorting in Icelandic: contrasting coercion with silent syntax *Drew Trotter[1], Matthew Whelpton[2], Þórhalla Guðmundsdóttir Beck[2], Curt Anderson[1], Joan Maling[3], Alan Beretta[1]; [1]Michigan State University, [2]University of Iceland, [3]Brandeis University*

Control, Selection, Working Memory

D52 Graded specialisation for words and pictures in prefrontal cortex: An fMRI investigation of semantic and linguistic control across tasks and modalities *Beth Jefferies[1], Katya Krieger-Redwood[1], Catarina Teige[1], James Davey[1]; [1]University of York, UK*

D53 Cerebral organization of verbal associations: Is prior semantic representation important? *Michael Saling[1,2], Leasha Lillywhite[1,2], Richard Masterton[2], Shawna Farquharson[2], Graeme Jackson[1,2]; [1]The University of Melbourne, [2]Brain Research Institute and Florey Neuroscience Institutes, Austin, Melbourne*

D54 Narrowing in on what's relevant: Perturbing Wernicke's area perturbs task-relevant representations *Lynn Perry[1], Gary Lupyan[1]; [1]University of Wisconsin-Madison*

D55 A common neural basis for syntactic and non-syntactic conflict-control *Nina S. Hsu[1,2,3], Susanne M. Jaeggi[2,3,4], Jared M. Novick[1,2]; [1]Center for Advanced Study of Language, University of Maryland, College Park, [2]Program in Neuroscience and Cognitive Science, University of Maryland, College Park, [3]Department of Psychology, University of Maryland, College Park, [4]School of Education, University of California, Irvine*

D56 Attention for speaking: domain-general control from the anterior cingulate cortex in spoken word production *Vitoria Piai[1,2], Ardi Roelofs[1], Daniel Acheson[1,3], Atsuko Takashima[1,4]; [1]Radboud University Nijmegen, Donders Institute for Brain, Cognition and Behaviour, The Netherlands, [2]International Max Planck Research School for Language Sciences, Nijmegen, The Netherlands, [3]Neurobiology of Language Department, Max Planck Institute for Psycholinguistics, Nijmegen, The Netherlands, [4]Radboud University Nijmegen, Behavioural Science Institute, The Netherlands*

D57 Inter-regional dynamics within the left inferior frontal convolution during lexical selection *Christopher Conner[1], Nitin Tandon[1]; [1]University of Texas, Houston*

D58 Verbal Motor Imagery in Children with Cerebral Palsy: an fMRI study *Y. C. Chang[1], F. P. Yang[1], Y. W. Wang[1], C. L. Chen[2]; [1]National Tsing Hua University, Hsinchu, Taiwan, [2]Chang Gung Memorial Hospital, Linkao, Taiwan*

D59 Altered activation of the right TPJ during spatial attention tasks in migraineurs, and relationships between attentional cuing effects and lexical reading performance. *Marla Mickleborough[1], Layla Gould[1], Chelsea Ekstrand[1], Katherine Anton[1], Paul Babyn[1], Ron Borowsky[1]; [1]University of Saskatchewan*

D60 Neural correlates of phonological sequencing *Malathi Thothathiri[1], Michelle Rattinger[1]; [1]George Washington University*

D61 Brain mapping in verbal and spatial thinking *Olga Martynova[1], Galina Portnova[1], Larisa Mayorova[1,2], Svetlana Kuptsova[1,2], Oxana Fedina[2], Alexey Petrushevsky[2], Alexey Ivanitsky[1]; [1]Institute of Higher Nervous Activity and Neurophysiology of Russian Academy of Science, [2]Centre of Speech Pathology and Neurorehabilitation, Moscow*

D62 Go/no-go vs yes/no tasks in psycholinguistic research: ERP correlates of inhibitory control *Marta Vergara-Martínez[1], Manuel Perea[1], Pablo Gómez[2]; [1]ERI-Lectura Universitat de València, [2]DePaul University Chicago*

Language Disorders

D63 Damage to the anterior arcuate fasciculus predicts non-fluent speech production in aphasia *Julius Fridriksson[1], Dazhou Guo[1], Paul Fillmore[1], Audrey Holland[2], H. Isabel Hubbard[1], Chris Rorden[1]; [1]University of South Carolina, [2]University of Arizona*

D64 Speech-related brain activity in stuttering and cluttering: similarities and differences *Emily Connally[1], David Ward[2], Christos Pliatsikas[2], Kate Watkins[1]; [1]University of Oxford, [2]University of Reading*

D65 White matter tracts sustaining speech in primary progressive aphasia *Maria Luisa Mandelli[1], Eduardo Caverzasi[2], Richard J Benney[1], Bagrat Amirbekian[2,3], Maya L Henry[1], Miranda Babiak[1], Nikolas Block[1], Christa Watson[1], Bruce L Miller[1], Roland G Henry[2,3], Maria Luisa Gorno-Tempini[1]; [1]Memory and Aging Center University of California, San Francisco, [2]University of California, San Francisco, [3]Graduate Group in Bioengineering, University of California, Berkeley*

D66 The effect of music therapy for a person with nonfluent aphasia: a neurobiological perspective *Joslyn Fisch[1], Julie Massa[1], Daniela Toron[1], Erin White[1], Megan Dewing[1], Anita Gadberry[1], Vijayachandra Ramachandra[1]; [1]Marywood University*

D67 tDCS alters lateralization of reading-related activity in a case of pure alexia *Elizabeth H. Lacey[1,2], Xiong Jiang[1], Sarah F. Snider[1], Rhonda B. Friedman[1], Peter E. Turkeltaub[1,2]; [1]Georgetown University, [2]MedStar National Rehabilitation Hospital*

D68 Brain routes for reading in adults with and without autism *Rachel Moseley[1], Friedemann Pulvermuller[2], Yury Shtyrov[3,4]; [1]MRC Cognition and Brain Sciences Unit, Cambridge, UK, [2]Brain Language Laboratory, Free University, Berlin, Germany, [3]Centre for Functionally Integrative Neuroscience, Aarhus University, Denmark, [4]Centre for Languages and Literature, Lund University, Sweden*

D69 Functional and Structural Connectivity across Levels of Language in Children with Dysgraphia *Todd Richards[1], Thomas Grabowski[1], Katie Askren[1], Peter Boord[1], Kevin Yagle[1], Zoe Mestre[1], Frederick Reitz[1], Olivia Welker[1], Desiree Gulliford[1], Liza Young[1], Elliot Collins[1], Virginia Berninger[1]; [1]University of Washington*

D70 Functional reorganization of orthographic networks subsequent to neural injury *Jeremy Purcell[1], Brenda Rapp[1]; [1]Johns Hopkins University, Baltimore, MD*

D71 Characteristics of language dysfunction and cortical degeneration in patients with early stage amytrophic lateral sclerosis (ALS) *Noriyo Komori[1], Ikuyo Fujita[2], Shinya Uchida[3], Ritso Hashimoto[1]; [1]International University of Health and Welfare Hospital, [2]International University of Health and Welfare, [3]International University of Health and Welfare Graduate School*

D72 Automatic neural discrimination of changes in complex spoken words in dyslexic children *Lilli Kimppa[1,2], Eino Partanen[1,2], Kimmo Alho[1,3], Synnöve Carlson[4], Teija Kujala[1,2,5]; [1]University of Helsinki, Finland, [2]Cognitive Brain Research Unit, [3]General Psychology Division, [4]O.V. Lounasmaa Laboratory, Aalto University School of Science, Finland, [5]CICERO Learning*

Poster Session E

Friday, November 8, 4:15 - 6:15 pm, Emerald Ballroom

Gesture, Prosody, Social and Emotional Processes

E1 Translating foreign language vocabulary activates visual and motor areas after learning with enrichment *Katja Martina Mayer[1], Izzet Burak Yildiz[1,2], Manuela Macedonia[1,3], Katharina von Kriegstein[1,4]; [1]Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany, [2]College de France, Paris, [3]Johannes Kepler University Linz, Austria, [4]Humboldt University of Berlin, Germany*

E2 Influence of Word Stress Sensitivity on a Visual Lexical Decision Task *Cyrille Magne[1], Michael Pridmore[1], Nicole Brunas[1]; [1]Middle Tennessee State University*

E3 A Common Functional Network for Overt Production of Speech and Gesture *Lars Marstaller[1,2], Hana Burianová[1,2,3]; [1]Department of Cognitive Science, Macquarie University, Sydney, Australia, [2]ARC Centre of Excellence in Cognition and its Disorders, Macquarie University, Sydney, Australia, [3]Centre for Advanced Imaging, University of Queensland, Brisbane, Australia*

E4 Non-linear dynamics of speech and voice in schizophrenia *Riccardo Fusaroli[1,2,3], Ethan Weed[2,3,4], Arndis Simonsen[2,5], Vibeke Bliksted[2,5]; [1]Center for Semiotics, Aarhus University, [2]Interacting Minds Center, Aarhus University, [3]Center of Functionally Integrative Neuroscience, Aarhus University, [4]Linguistics, Aarhus University, [5]Department of General Psychiatry, Aarhus University Hospital*

E5 Neural correlates of gesture-syntax interaction. *Thomas C. Gunter[1], leon Kroczek[1], Henning Holle[2], Angela D. Friederici[1]; [1]Max-Planck-Institute for Human Cognitive and Brain Sciences, Leipzig, Germany, [2]Department of Psychology, University of Hull, UK*

E6 Size matters: Graded influence of prosodic boundaries on sentence processing *Efrat Pauker[1,2], Karsten Steinhauer[1,2]; [1]McGill University, [2]CRBLM*

E7 Continuous fMRI of multimodal conversation with high functioning autistic individuals. *Kyle Jasmin[1,3], Siyuan Liu[2], Yisheng Xu[2], Bako Orionzi[1], Ian Eisenberg[1], Nuria Abdulasabur[2], Meghan Healey[2], John Ingeholm[1], Allen R. Braun[2], Alex Martin[1]; [1]National Institute of Mental Health, NIH, [2]National Institute on Deafness and Other Communication Disorders, NIH, [3]UCL Institute of Cognitive Neuroscience*

Auditory Perception, Speech Perception, Audiovisual Integration

E8 Temporally dynamic cortical processing of spoken words: evidence from intracranial recordings *Ariane E. Rhone[1], Bob McMurray[1], Hiroyuki Oya[1], Kirill V. Nourski[1], Hiroto Kawasaki[1], Matthew A. Howard III[1]; [1]University of Iowa*

E9 Word and pseudoword processing in the left ventral stream *Emily Cibelli[1], Matthew Leonard[2], Keith Johnson[1], Edward Chang[2]; [1]University of California, Berkeley, [2]University of California, San Francisco*

E10 Interactive activation models simulate phoneme restoration with appropriate linking hypotheses *James Magnuson[1,2]; [1]University of Connecticut, [2]Haskins Laboratories*

E11 Pattern specific adaptation to speech and non-speech sounds in human auditory cortex *Colin Humphries[1], Merav Sabri[1], Nicholas Heugel[2], Kimberly Lewis[1], Einat Liebenthal[1]; [1]Medical College of Wisconsin, [2]Marquette University*

E12 Processing phonological stem variants of complex words: a neurolinguistic perspective *Natalia Bekemeier[1], Aditi Lahiri[2], Carsten Eulitz[1]; [1]University of Konstanz, [2]University of Oxford*

E13 Mapping the timecourse of visual interference on auditory speech perception: A novel application of the McGurk effect *Jonathan Venezia[1], Steven Thurman[2], William Matchin[1], Sahara George[1], Gregory Hickok[1]; [1]University of California, Irvine, [2]University of California, Los Angeles*

E14 The Effects of Attention on the Speech Perception of Infants *Karen Garrido-Nag[1], Valerie Shafer[2]; [1]Gallaudet University, [2]The Graduate University, CUNY*

E15 Time course of phonological activation in processing spoken Chinese disyllabic words: evidence from eye movements *Ya-Lan Chang[1], Jie-Li Tsai[1,2]; [1]Department of Psychology, National Cheng-chi University, [2]Research Center for Mind, Brain & Learning, National Cheng-chi University*

E16 Long-term memory traces for language sounds are highly context-sensitive: an MEG/ERF study *Andreas Højlund Nielsen[1,2], Line Gebauer[1], William B. McGregor[2], Mikkel Wallentin[1,3]; [1]Center of Functionally Integrative Neuroscience, Aarhus University, [2]Linguistics, Aarhus University, [3]Center for Semiotics, Aarhus University*

E17 Effects of phase- and amplitude-spectrum decorrelation on speech intelligibility *Sierra Broussard[1], Gregory Hickok[1], Kourosh Saberi[1]; [1]University of California, Irvine*

E18 Representation of spectro-temporal features of fricative and stop-consonant word onsets within the sensory auditory-evoked potentials (AEPs), the P1-N1-P2 and T-complex, in individual listeners *Monica Wagner[1], Arindam RoyChoudhury[2], Valerie L Shafer[3], Brett Martin[3], Mitchell Steinschneider[4]; [1]St. John's University, [2]Columbia University, [3]CUNY-Graduate School and University Center, [4]Albert Einstein College of Medicine*

Motor Control, Speech Production, Sensorimotor Integration

E19 Left Hemisphere Spatio-temporal Correlates of Unconstrained Complex Picture Naming: An MEG Study *Antoine Tremblay[1], Anne Johnson[1], Elissa Asp[2], Timothy Bardouille[3], Aaron J. Newman[1]; [1]Dalhousie University, Halifax, Canada, [2]Saint-Mary's University, Halifax, Canada, [3]IWK Health Centre, Halifax, Canada*

E20 The response of posterior perisylvian cortex during overt and covert speech production *Anna J Simmonds[1], Robert Leech[1], Catherine Collins[1], Ozlem Redjep[1], Richard J S Wise[1]; [1]Imperial College London, UK*

E21 Intra-cranial recordings of brain activity during language production: A brief review. *Anais Llorens[1,2,3], Agnès Trébuchon[1,2], Catherine Liégeois-Chauvel[1,2], F.-Xavier Alario[1,3]; [1]Aix-Marseille Université, [2]INSERM, [3]CNRS*

E22 The neural basis of phonological influence on lexical access *Megan Reilly[1], Sara Guediche[1], Sheila Blumstein[1,2]; [1]Brown University, [2]Brown Institute for Brain Science*

E23 Low frequency long range coherence during speech sensory motor processing *Gregory B Cogan[1], Thomas Thesen[2], Daniel Friedman[3], Werner K Doyle[4], Orrin Devinsky[3], Bijan Pesaran[1]; [1]Center for Neural Science, NYU, [2]Department of Neurology, NYU Langone Medical Center, [3]Comprehensive Epilepsy Center, NYU Langone Medical Center, [4]Department of Neurosurgery, NYU Langone Medical Center*

Phonology, Phonological Working Memory

E24 The duration of auditory sensory memory for vowel processing: Mismatch negativity and late negativity *Yan Yu[1,2], Margaret Shakibai[3], Carly Marut[2], Valerie L. Shafer[1]; [1]The Graduate Center, City University of New York, [2]William Paterson University of New Jersey, [3]Marymount Manhattan College*

E25 Using Long Distance Harmony to Probe Prediction in Speech Perception: ERP Evidence from Basque *Philip Monahan[1,2]; [1]University of Toronto, [2]Basque Center on Cognition, Brain and Language (BCBL)*

E26 On the role of the supramarginal gyrus in phonological processing and verbal working memory: evidence from rTMS studies. *Isabelle Deschamps[1,2], Shari Baum[1,2], Vincent Gracco[1,2,3]; [1]McGill University, Faculty of Medicine, School of Communication Sciences and Disorders, Montreal, Quebec, Canada, [2]Centre for Research on Brain, Language and Music, Rabinovitch House, McGill University, Montreal, Quebec, Canada, [3]Haskins Laboratories, New Haven, Connecticut*

E27 Charting the functional relevance of Broca's area for visual word recognition in English using fMRI-guided TMS *Katherine L. Wheat[1], Piers L. Cornelissen[2], Peter C. Hansen[3], Teresa Schuhmann[1], Alexander T. Sack[1]; [1]Maastricht University, [2]Northumbria University, [3]University of Birmingham*

E28 Is fMRI the optimal method for identifying TMS stimulation sites? *Magdalena W. Sliwinska[1], Manali Khadilkar[1,2], Keith Kawabata-Duncan[1,3], Joseph T. Devlin[1]; [1]Cognitive, Perceptual & Brain Sciences, UCL, London, UK, [2]Department of Neurology, University of California Irvine, [3]Department of Cognitive Neuroscience, Graduate School of Medicine, University of Tokyo, Japan*

E29 Using functional transcranial Doppler sonography (fTCD) to examine hemispheric lateralisation during rhyme judgement *Heather Payne[1,2], Eva Gutierrez-Sigut[2], Joanna Subik[3], Mairead MacSweeney[1,2]; [1]Institute of Cognitive Neuroscience, University College London, [2]Deafness, Cognition & Language Research Centre, University College London, [3]University College London*

Orthographic Processing, Writing, Spelling

E30 Reading Houses: A House-Based Orthography Elicits Left Fusiform Activation *Michelle Moore[1], Corrine Durisko[2], Deborah Chen[2], Paul Brendel[2], Elizabeth Hirshorn[2,3], Julie Fiez[2,3]; [1]West Virginia University, [2]Learning Research and Development Center, University of Pittsburgh, [3]Center for the Neural Basis of Cognition*

E31 The role of the left middle frontal gyrus in visual-orthographic on top of phonological analysis in Chinese readers *Tiffany Nga-min Ip[1], Li Hai Tan[1], Wai Ting Siok[1]; [1]State Key Laboratory of Brain and Cognitive Sciences, University of Hong Kong*

E32 The orthographic consistency shapes Chinese spoken word recognition in the rhyming task *Pei-Chun Chao[1], Wei-Fan Chen[2], Jie-Li Tsai[3], Chia-Ying Lee[1,2]; [1]National Yang-Ming University, Taiwan, [2]Academia Sinica, Taiwan, [3]National Chengchi University, Taiwan*

E33 Functionally distinct contributions of the anterior and posterior putamen during reading *Marion Oberhuber[1], Susan Prejawa[1], Tom Hope[1], 'Ōiwi Parker*

Jones[1,2], Mohamed L. Seghier[1], David W. Green[3], Cathy J. Price[1]; [1]Wellcome Trust Centre for Neuroimaging, University College London, UK., [2]Wolfson College, University of Oxford, UK., [3]Cognitive, Perceptual and Brain Sciences, University College London, UK.

E34 Title: Visual recognition of upright, inverted and rotated words. *Bethany L Sussman[1], Sharlene D Newman[1]; [1]Indiana University*

Language Development, Plasticity, Multilingualism

E35 Two distinct forms of functional lateralization in the human brain *Stephen J. Gotts[1], Hang Joon Jo[2], Gregory L. Wallace[1], Ziad S. Saad[2], Robert W. Cox[2], Alex Martin[1]; [1]Laboratory of Brain and Cognition, NIMH/NIH, Bethesda, MD, US, [2]Scientific and Statistical Computing Core, NIMH/NIH, Bethesda, MD, US*

E36 Speech Motor Activation When Speaking a Non-Native Language: Support for a Sensitive Period in Second Language Acquisition *Jonathan Berken[1,2], Jen-Kai Chen[1], Megan Callahan[1,2], Vincent L. Gracco[2], Kate E. Watkins[3], Shari Baum[2], Denise Klein[1,2]; [1]Cognitive Neuroscience Unit, Montreal Neurological Institute, McGill University, Canada, [2]Centre for Research on Brain, Language, and Music, McGill University, Montreal, Canada, [3]Department of Experimental Psychology, University of Oxford*

E37 Second language age of acquisition but not language proficiency predicts differential brain activation patterns during a picture-naming task in bilinguals *Aurora I. Ramos Nunez[1], Maya Ravid[1], Arturo E. Hernandez[1]; [1]University of Houston*

E38 A Functional Investigation of the RAN-Reading Relationship in University Students with and Without Dyslexia *Jacqueline Cummine[1], Eszter Szepesvari[1], Brea Chouinard[1], George Georgiou[1]; [1]University of Alberta*

E39 Phonological Working Memory in the Brain: International Adoptees, Bilinguals, and Monolinguals *Lara Pierce[1], Denise Klein[2], Jen-Kai Chen[2], Fred Genesee[1]; [1]McGill University, [2]Montreal Neurological Institute*

E40 Dynamic neural network reorganization associated with second language vocabulary acquisition: a multimodal imaging study *Chihiro Hosoda[1,2,3,4], Kanji Tanaka[5], Tadashi Nariai[3], Manabu Honda[1], Takashi Hanakawa[1,2,6]; [1]Department of Functional Brain Research, National Institute of Neuroscience, National Center of Neurology and Psychiatry, [2]Department of Advanced Neuroimging, Integrative Brain Imaging Center, National Center of Neurology and Psychiatry, [3]Department of Neurosurgery, Tokyo Medical and Dental University, [4]Department of Motor Control and Rehabilitation, ATR Computational Neuroscience Laboratories, [5]Research Center for Advanced Science and Technology, The University of Tokyo, [6]PRESTO, Japan Science and Technology Agency*

E41 Individual Differences in Declarative and Procedural Memory and Changes in L2 ERP Signatures Over Time *Mandy Faretta-Stutenberg[1], Darren Tanner[2,3], Kara Morgan-Short[1]; [1]University of Illinois at Chicago, [2]Penn State University, [3]University of Illinois*

E42 Emerging Sensitivity to Morphosyntax at the Earliest Stages of Development: ERP Evidence for the Role of the L1 *Robert Fiorentino[1], Alison Gabriele[1], José Alemán Bañón[1]; [1]University of Kansas*

E43 Predicting and Processing Ellipsis in Native and L2 Readers *Edith Kaan[1], Joseph Kirkham[1], Natalia Davidson[2], Frank Wijnen[2]; [1]University of Florida, US, [2]Utrecht University, The Netherlands*

E44 Quantitative biological measurements of white matter development *Jason Yeatman[1], Brian Wandell[1], Aviv Mezer[1]; [1]Stanford University*

Lexical Semantics

E45 Early automaticity in neural processing of unattended written words: MEG evidence *Francesca Carota[1,2], Clare Cook[2], Lucy MacGregor[2], Yury Shtyrov[3]; [1]Neurolex, Department of Psychology, University of Cambridge, UK, [2]MRC, Cognition and Brain Science Unit, [3]Department of Clinical Medicine, Center for Functionally Integrative Neuroscience, Aarhus University, DK*

E46 Putting an end to the motor cortex representations of action words *Greig de Zubicaray[1], Joanne Arciuli[2], Katie McMahon[3]; [1]University of Queensland, School of Psychology, [2]University of Sydney, Faculty of Health Sciences, [3]University of Queensland, Centre for Advanced Imaging*

E47 Effects of multiple tasks and variables on EEG/MEG responses in visual word recognition *Olaf Hauk[1], Yuanyuan Chen[1,2], Friedemann Pulvermüller[3], Matthew H Davis[1]; [1]MRC Cognition and Brain Sciences Unit, Cambridge, [2]Neuroscience and Aphasia Research Unit, University of Manchester, [3]Brain Language Laboratory, Freie Universität Berlin*

E48 The relationship between orthographic phonological and semantic representations in the two cerebral hemispheres *Orna Peleg[1], Zohar Eviatar[2]; [1]Tel-Aviv University, [2]University of Haifa*

E49 The neural correlates of phonological, semantic and causal verbal fluency in patients with schizophrenia *Kim Wende[1], Straube Benjamin[1], Stratmann Mirjam[1], Sommer Jens[1], Kircher Tilo[1], Nagels Arne[1]; [1]Philipps-University Marburg*

E50 A Hierarchical Predictive Coding Approach to Conceptualizing the Neurobiology of Language Comprehension *Gina Kuperberg[1,2]; [1]Tufts University, [2]Massachusetts General Hospital/Harvard Medical School*

E51 ERP evidence of unconstrained lexical access to meaning specified by gender *Cheryl Frenck-Mestre[1], Elisa Sneed-German[2]; [1]Centre National de Recherche Scientifique, Aix-Marseille Université, [2]SIM University, English Language & Literature Programme*

E52 Effects of syntactic structure on concept grounding *Wessel van Dam[1], Rutvik Desai[1]; [1]University of South Carolina*

E53 Cross Language Influences in Bilingual Speakers: The Effect of a Partial Shared Translation *Zohar Eviatar[1], Tamar Degani[1]; [1]University of Haifa, Israel*

Syntax, Morphology

E54 Multiple routes for complex word comprehension: Novel neurophysiological paradigm dissociating whole-form and combinatorial morphosyntactic processing in the brain *Yury Shtyrov[1,2,3]; [1]Center for Functionally Integrative Neuroscience (CFIN), Aarhus University, Denmark, [2]Centre for Languages & Literature, Lund University, Sweden, [3]MRC Cognition & Brain Sciences Unit, Cambridge, UK*

E55 Revisiting Shared Resources for Language and Music *Nicole E. Calma[1], Laura Staum Casasanto[2], Dan Finer[1], Robbin Miranda[3], Michael T. Ullman[3], John E. Drury[1]; [1]Stony Brook University, [2]University of Chicago, [3]Georgetown University*

E56 Sentence-level Processing in the Cerebellum: A Combined fMRI and VBM Study *'Ōiwi Parker Jones[1,2], Susan Prejawa[1], Tom Hope[1], Marion Oberhuber[1], Alex P. Leff[3], Mohamed L. Seghier[1], David W. Green[4], Cathy J. Price[1]; [1]Wellcome Trust Centre for Neuroimaging, University College London, [2]Wolfson College, University of Oxford, [3]Institute of Cognitive Neuroscience, University College London, [4]Cognitive, Perceptual and Brain Sciences, University College London*

E57 Grammatical categories show differential activations in convergence zones: An fMRI study *Marit Lobben[1], Laura Wortinger Bakke[1]; [1]Department of Psychology, University of Oslo*

E58 Modulations of functional activity and connectivity in the language network during syntactic sentence production *Inge Timmers[1,2], Job van den Hurk[1], Estela Rubio-Gozalbo[2], Bernadette M Jansma[1]; [1]Maastricht University, The Netherlands, [2]Maastricht University Medical Center, The Netherlands*

Language Disorders

E59 Cause or consequence of dyslexia? Anomalies in white matter tracts sustaining phonological processing predate reading *Maaike Vandermosten[1,2], Jolijn Vanderauwera[1,2], Theys Catherine[3], Sunaert Stefan[3], Wouters Jan[2], Ghesquière Pol[1]; [1]Parenting and Special Education Research Unit, KU Leuven, Belgium, [2]Experimental ORL, Dept. Neuroscience, KU Leuven, Belgium, [3]Department of Radiology, University Hospital Leuven, Belgium*

E60 Neural signatures of phonological working memory and grammatical processing in autism spectrum disorders *Zhenghan Qi[1], Tyler Perrachione[1], Anne Harris[2], Irina Ostrovskaya[1], Sara Beach[1], Kelly Halverson[1], Abbie Cyr[1], Katalina Sher[1], Margaret Kjelgaard[1], John Gabrieli[1], Kenneth Wexler[1], Helen Tager-Flusberg[2]; [1]Massachusetts Institute of Technology, [2]Boston Univerisity*

E61 Improved white matter integrity following naming treatment post-stroke *Sophia van Hees[1,2], Katie McMahon[3], Anthony Angwin[2], Greig de Zubicaray[4], Stephen Read[5], David Copland[1,2,6]; [1]Centre for Clinical Research, University of Queensland, Brisbane, Australia, [2]School of Rehabilitation Sciences, University of Queensland, Brisbane, Australia, [3]Centre for Advanced Imaging, University of Queensland, Brisbane, Australia, [4]School of Psychology, University of Queensland, Brisbane, Australia, [5]Royal Brisbane and Women's Hospital, Neurology, Brisbane, Australia, [6]Centre for Clinical Research Excellence in Aphasia Rehabilitation*

E62 Development of white matter in children with developmental dyslexia *Indra Kraft[1], Michael A. Skeide[1], Jens Brauer[1], Alfred Anwander[1], Angela D. Friederici[1]; [1]Max Planck Institute for Human and Cognitive Brain Sciences*

E63 Atypical lateralization of phonological working memory in developmental dyslexia *Min Xu[1,2], Jing Yang[3], Wai Ting Siok[1], Li Hai Tan[1]; [1]The University of Hong Kong, [2]Massachusetts Institute of Technology, [3]Guangdong University of Foreign Studies*

E64 Selective Grammatical Comprehension Deficit in Non-Fluent/Agrammatic Primary Progressive Aphasia *Dorothy Charles[1], Christopher Olm[1], John Powers[1], Sharon Ash[1], David Irwin[1], Corey McMillan[1], Katya Rascovsky[1], Murray Grossman[1]; [1]University of Pennsylvania*

E65 Patterns of brain activation predicting greater language improvement in non-fluent aphasia *Svetlana Kuptsova[1], Rosa Vlasova[2], Olga Dragoy[2], Maria Ivanova[2], Svetlana Malyutina[3], Petrushevsky Aleksey[1], Fedina Oksana[1], Gutyrchik Evgeny[4]; [1]Center for Speech Pathology and Neurorehabilitation, Moscow, Russia, [2]National Research University, Higher School of Economics, Moscow, Russia, [3]Moscow Lomonosov State University, Russia, [4]Ludwig Maximilians University, Munich, Germany*

E66 The nature of across-task and across-structure generalization following a sentence comprehension treatment for aphasia. *Swathi Kiran[1], David Caplan[2], Sarah Villard[1], Carrie Des Roches[1], Elsa Ascenso[1], Gloria Waters[1]; [1]Boston University, [2]Massachusetts General Hospital, Boston*

E67 Deficit Lesion Correlation for Syntactic Comprehension Differs as a Function of Task *Brad Dickerson[1], Jennifer Michaud[1], Rebecca Hufford[1], Nikos Makris[1], David Caplan[1]; [1]Massachusetts General Hospital/ Harvard Medical School*

E68 The auditory comprehension of Who and Which-NP questions in aphasia: Support for the Intervener Account *Shannon MacKenzie[1], Matthew Walenski[2,3], Tracy Love[1,2,3], Lewis P. Shapiro[1,2]; [1]SDSU/UCSD Joint Doctoral Program in Language and Communicative Disorders, [2]School of Speech Language and Hearing Sciences, San Diego State University, [3]Center for Research in Language, University of California, San Diego*

E69 Online processing of unaccusative verbs in individuals with aphasia *Natalie Sullivan[1], Matthew Walenski[2], Tracy Love[2], Lewis P. Shapiro[2]; [1]SDSU/UCSD Joint Doctoral Program in Language and Communicative Disorders, [2]School of Speech Language and Hearing Sciences, San Diego State University*

Author Index

Authors are indexed by abstract number, not page number.
S: indicates a slide presentation, P: indicates a poster presentation.

A

Abdulasabur, N - P:E7
Abel, AD - P:B62
Abel, A - P:C33
Acheson, DJ - P:A24
Acheson, D - P:B14, P:D56
Adank, P - P:C13
Adrover Roig, D - P:A41
Aerts, A - P:B10
Agnew, Z - P:A2, P:A25, P:D5
Agosta, S - S:D2
Aguirre, S - P:A32
Ahlstrom, JB - P:A9
Akhutina, T - P:C51
Akinina, Y - P:A72
Alario, F-X - P:E21
Albert, M - P:C72
Alday, P - P:B57
Aleksey, P - P:E65
Alemán Bañón, J - P:E42
Alho, K - P:D72
Allshouse, D - P:A34
Amirbekian, B - P:D65
Amiri, M - P:B46
Anderson, C - P:D51
Anderson, S - P:B1
Andreas K, E - P:C37
Andreeva, N - P:D11
Andric, M - P:B49
Angwin, A - P:C73, P:E61
Ansaldo, A-I - P:A41
Ansaldo, AI - P:C64, P:D39
Anton, K - P:D23, P:D59
Anwander, A - P:E62
Arbib, M - P:A8, P:C50
Archila-Suerte, P - P:C20
Arciuli, J - P:E46
Arne, N - P:E49
Arnold, J - P:C61
Arsenault, J - P:C12
Asano, E - P:C62
Ascenso, E - P:E66
Ash, S - P:A69, P:E64
Askren, K - P:D69
Asp, E - P:E19
Audibert, N - P:A4
Avants, B - P:C67
Ávila, C - P:A40, P:C22
Aziz-Zadeh, L - P:C3

B

Baart, M - S:C1, P:A17
Babb, JS - P:B43
Babiak, M - P:C71, P:D65
Baboyan, V - S:B4, P:B38, P:D37
Babyn, P - P:D23, P:D59
Baillet, S - P:A12
Bakke, LW - P:E57
Balasuramanian, V - P:B20
Baldo, J - P:B6
Barber, HA - P:C29
Barbieri, E - P:D48
Bardolph, MD - P:D41
Bardouille, T - P:E19
Barner, D - P:B32
Barrès, V - P:C50
Basilakos, A - P:D12
Basu, A - P:B11
Basu Mallick, D - P:C11
Battelli, L - S:D2
Batterink, L - P:B25
Baum, S - P:A50, P:E26, P:E36
Baum, SR - P:B15
Beach, S - P:E60
Beauchamp, M - P:C10, P:D1
Beauchamp, MS - P:C11
Beckert, M - P:A71
Beck, S - P:B48
Beghin, F - P:C52
Bekemeier, N - P:E12
Belin, P - S:A4
Bellugi, U - P:A33
Bendixen, A - P:D6
Benjamin, S - P:E49
Benney, RJ - P:D65
Ben-Shachar, M - P:A30, P:C26
Ben-Yehudah, G - P:D25
Berentsen, S - S:B2, P:B19
Beres, A - S:C4
Beretta, A - P:D51
Bergen, B - P:C3
Berken, J - P:E36
Berninger, V - P:D69
Bertrand, D - P:A28
Bhide, A - P:D20
Bilodeau-Mercure, M - P:D8
Binder, J - S:B2, P:B19, P:D34
Bisbing, T - P:C5
Bitan, T - S:C2
Bi, Y - P:C44
Blau, S - P:A34
Bliksted, V - P:E4
Block, N - P:D65
Blumstein, SE - P:B5
Blumstein, S - P:E22
Boebinger, D - P:A10
Bolger, DJ - P:B34
Boller, A - P:A69
Bondi, MW - P:C56
Bonner, M - S:C3, P:B54
Bonte, M - P:B12
Book, D - S:B2, P:B19
Bookheimer, S - P:C53
Boord, P - P:D69
Borgstrom, K - P:C31
Bornkessel-Schlesewsky, I - P:C49, P:D40
Borodkin, K - P:C32, P:C36
Boros, M - P:A28
Borowsky, R - P:D23, P:D59
Bortfeld, H - P:A17
Bosworth, R - P:A32
Bouchard, K - P:B9
Boudewyn, MA - P:D43, P:B52
Boulenger, V - P:D9
Bourguignon, N - P:D47
Boutonnet, B - S:C4
Bowers, A - P:D3
Boylan, C - P:D45
Bozic, M - P:B61
Bradley, KAL - P:C34
Brajot, F-X - P:A26
Brauer, J - P:E62
Braun, AR - P:E7
Brendel, P - P:E30
Breuillard, D - P:A4
Brewer, A - P:C8
Brothers, T - P:C40
Broussard, S - P:E17
Brown, EC - P:C62
Brown, EN - P:B17
Brown, TT - P:B2
Brunas, N - P:E2
Brun, CC - P:C43
Buchsbaum, B - P:C12
Buckley, R - P:A46
Bueichekú, E - P:A40, P:C22
Bunta, F - P:C20
Burianová, H - P:E3
Butterworth, B - P:A65

C

Caballero, C - S:C1, P:B66
Cabana, A - P:A55
Cahana-Amitay, D - P:C72
Callahan, M - P:E36
Calma, NE - P:E55
Caplan, D - P:B69, P:E66, P:E67
Caramazza, A - S:D2, P:C38, P:C44
Carlson, K - P:C9
Carlson, S - P:D72
Carminati, M - P:A4
Carota, F - P:E45
Carreiras, M - S:C1, P:B21, P:B35, P:B66
Cash, S - P:C24
Castelluccio, B - P:C2
Catherine, T - P:E59
Caverzasi, E - P:D65
Chaire, A - P:D49
Chan, A - P:C24
Chanceaux, M - P:A28
Chang, EF - P:C71
Chang, E - S:A1, P:A34, P:B9, P:E9,
Chang, Y-C - P:B17
Chang, YC - P:D58
Chang, Y-L - P:E15
Chan, W-H - P:A29
Chao, P-C - P:E32
Chapman, C - P:C39
Charles, D - P:E64
Chavez, I - P:B32
Chen, CL - P:D58
Chen, D - P:E30
Chen, H-C - P:D42
Chen, J-C - P:C60
Chen, J-K - P:E36
Chen, J-K - P:E39
Chen, S-Y - P:B40
Chen, T-F - P:C60
Chen, W-F - P:D29
Chen, W-F - P:E32
Chen, Y-F - P:C60
Chen, Y - P:E47
Chernenok, M - P:C41
Cheung, C - S:A1
Cheung, T - P:A56
Cheylus, A - P:A44
Chiarello, C - P:D24
Chiu, M-J - P:C60
Choudhary, KK - P:C49
Chouinard, A - P:B29
Chouinard, B - P:E38
Chou, T-L - P:B40, P:B41, P:B42, P:D36
Cibelli, E - P:E9
Cipolotti, L - P:A65
Clarke, A - P:A56, P:D33
Clark, R - S:E1, P:A6, P:A48, P:B65, P:C5, P:C55
Coderre, E - P:C16
Coelho, C - P:B71
Cogan, GB - P:E23
Cohen, J - P:C72
Cohen, L - P:A28
Collins, C - P:E20
Collins, E - P:D21, P:D69
Colson, B - P:A37
Conant, L - P:D34
Connally, E - P:D64
Conner, C - P:B38, P:D37, P:D57
Conrad, M - P:A42

Cook, C - P:E45
Cook, P - P:C67
Cooper, E - P:B49
Copland, D - P:A46, P:B72, P:C47, P:C73, P:D30, P:E61
Corina, D - P:A33, P:A34
Cornelissen, PL - P:E27
Cornelissen, P - P:A54
Correia, J - P:B12
Correia, M - P:B67
Costa, A - P:A40, P:C22
Coulson, S - P:A7, P:B51, P:B63, P:D41
Coulthard, A - P:A46
Cox, RW - P:E35
Culver, JP - P:A58
Cummine, J - P:E38
Curtiss, S - P:C53
Cute, SL - P:A9
Cyr, A - P:E60

D

Daher, Q - S:C2
Daily, A - P:D24
Damasio, H - P:B1
Dangler, L - P:B15
da Silva Filho, IG - P:A71
Davenport, T - P:B51
Dave, S - P:B52
Davey, J - P:D52
Davidson, N - P:E43
Davis, J - P:C3
Davis, MH - P:E47
Davis, N - S:C4
De Baene, W - P:B35
Decety, J - P:A3
Degani, T - P:B23, P:E53
Dehaene, S - P:A28
Delaney-Busch, N - P:A68
de Lange, FP - P:A47
De Letter, M - S:E3, P:B10
Delgado, T - P:B53
Del Prato, P - P:D46
Den Ouden, D - S:B1
Deprez, V - P:A44
Derdau, S - P:A18
Desai, R - P:D34, P:E52
De Santi, SM - P:B43
Deschamps, I - S:A3, P:E26
Desjardins, M - P:B46
Des Roches, C - P:E66
Devereux, B - P:A56
Devinsky, O - P:E23
Devlin, J - S:E2, P:A36, P:A52, P:E28
Dewing, M - P:D66
de Zubicaray, G - P:D16, P:B72, P:C18, P:C73, P:E46, P:E61
Diaz, M - P:B33
Dickerson, B - P:E67
Dick, F - P:A39
Dickson, DS - P:B22
Dimitri, H - S:E3
Ding, G - P:B30
Dominey, PF - P:B47
Doyle, WK - P:E23
Dragoy, O - P:A72, P:E65
Drebing, D - P:B68
Dronkers, NF - P:B13, P:B45, P:C52
Drury, JE - P:A44, P:A61, P:B60, P:E55
Dubno, JR - P:A9
Dufau, S - P:A28
Duff, M - P:B27, P:C59
Duñabeitia, JA - P:B66
Duncan, S - P:B49
Durand, E - P:D39, P:C64
Durisko, C - P:A31, P:D21, P:E30
Durvasula, K - S:B3
Dussias, PE - P:B33
Duyck, W - S:E3
Dykens, E - P:C6

E

Eckert, MA - P:A9
Eger, E - P:A28
Eggebrecht, AT - P:A58
Egorova, N - P:B18
Eigsti, I-M - P:C2
Eisenberg, I - P:E7
Ekstrand, C - P:D23, P:D59
Ekves, Z - P:A45
Elgie, B - P:B15
El-Haddad, RW - P:B50
Emmorey, K - P:A1, P:A35, P:A36
Engberg-Pedersen, E - P:A62
Erhart, M - P:B2
Erickson, L - P:D7
Estrada, V - P:D49
Eulitz, C - P:E12
Evans, S - P:A2, P:A10, P:A27, P:D5
Evgeny, G - P:E65
Eviatar, Z - P:B23, P:E48, P:E53

F

Fang, S-Y - P:B28, P:B29
Fan, L-Y - P:B42
Faretta-Stutenberg, M - P:E41
Farquharson, S - P:D53
Faseyitan, O - P:B68
Faust, M - P:C32, P:C36
Federmeier, KD - P:B22
Federmeier, K - P:B55
Fedina, O - P:A64, P:A72, P:D61
Fedorenko, E - P:D14
Feldman, H - P:A30
Felton, A - P:D24
Ferjan Ramirez, N - P:D31
Fernandez, G - S:E4
Fernandino, L - P:D34
Ferrill, M - P:C68
Fiez, JA - P:A15, P:A31, P:D21, P:D25, P:E30
Fillmore, P - P:A45, P:D12, P:D14, P:D63
Finch, E - P:C47, P:D30
Finer, D - P:E55
Fiorentino, R - P:E42
Fiori, N - P:A4
Fischer-Baum, S - P:B22
Fisch, J - P:D66
Fisher, JM - P:A20
Fisher, Z - P:C16
Fitzmorris, E - P:D48
Flecken, M - P:B39
Flinker, A - P:C7
Fogel, A - P:B53
Formisano, E - P:B12
Fox, N - P:A36, P:B5
Francken, JC - P:A47
Franke, B - S:E4
Franken, MK - P:A24
Frederic, I - P:C37
Frenck-Mestre, C - P:E51
Fridriksson, J - P:A45, P:C58, P:D12, P:D13, P:D14, P:D63
Friederici, AD - P:A59, P:E5, P:E62
Friedman, D - P:E23
Friedman, RB - P:A67, P:D67
Frost, DJ - P:C1
Fujita, I - P:D71
Fusaroli, R - P:B64, P:E4
Fyshe, A - S:D4

G

Gabriele, A - P:E42
Gabrieli, J - P:E60
Gadberry, A - P:D66
Gamez-Djokic, V - P:C3
Ganapathy, G - P:A22
Garcia, G - P:B68
Garnett, E - S:B1
Garrido-Nag, K - P:E14
Gasser, B - P:A8
Gebauer, L - P:E16
Gee, JC - P:C43
Gee, J - P:C67
Genesee, F - P:E39
George, S - P:E13
Georgiou, G - P:E38
Geranmayeh, F - P:B16
Gervits, F - P:B68
Geva, S - P:B67
Ghazi Saidi, L - P:A41
Giattino, C - P:C39
Gisiger, T - P:B15
Glynn, P - P:C66
Gökçay, D - P:A5
Gollan, TH - P:C56
Golob, S - P:A6, P:B65, P:C5, P:C55
Gomez Lopez, MA - P:D50
Gómez, P - P:D62
Gong, G - P:C44
Gordon, B - P:C16, P:C41, P:D35
Gordon, P - P:D22
Gordon, R - P:C6, P:C48
Gorno-Tempini, ML - P:D65
Gotts, SJ - P:E35
Goucha, T - P:A59
Gould, L - P:D23, P:D59
Gow, D - P:A11, P:B69
Grabowski, T - P:A35, P:D69
Gracco, VL - P:A26, P:B15, P:E36
Gracco, V - P:A12, P:E26
Grainger, J - P:A28, P:C25, P:D28
Green, DW - P:E33, P:E56
Groh, JM - P:D10
Grosbras, M-H - S:A4
Grossman, M - S:C3, S:E1, P:A6, P:A48, P:A69, P:B4, P:B54, P:B65, P:C5, P:C43, P:C55, P:C67, P:C69, P:E64
Gruters, K - P:D10
Guðmundsdóttir Beck, Þ - P:D51
Guediche, S - P:E22
Guella, H - P:A44
Guitton, M - P:D8
Gulliford, D - P:D69
Gunter, TC - P:E5
Guo, D - P:D63
Gurler, D - P:D1
Gutierrez-Sigut, E - P:E29
Gutyrchik, E - P:A72

H

Haaland, KY - P:B13
Haeuser, K - P:A50
Hagoort, P - S:E4, P:A24, P:A47, P:A60, P:B14, P:C14, P:D44
Halai, A - S:D3
Haley, J - S:E1, P:A69
Haley, K - P:D13
Halgren, E - P:C24, P:D31
Halpern, A - P:D5
Halverson, K - P:E60
Hämäläinen, M - P:A68, P:B17
Hamilton, AC - P:C46
Hamilton, R - P:B68
Hanakawa, T - P:E40
Hanaumi, L - P:A33
Hanayik, T - P:A45
Hannagan, T - P:C25
Hansen, M - P:A18
Hansen, PC - P:E27
Hansen, SJ - P:D16
Han, Z - P:C44
Hara, E - P:A22
Hargreaves, I - P:B36
Harkrider, A - P:D3

Harris, A - P:E60
Hartemink, AJ - P:A22
Hartsuiker, RJ - P:B10
Harvey, DY - P:C46
Hashimoto, R - P:D71
Hashizume, H - P:C19
Hassanpour, M - P:A58
Hasson, U - S:A3, P:B49
Hauck, T - P:C21
Hauk, O - P:E47
Hausfeld, L - P:B12
Hayward, W - P:A67
Heald, S - P:A37
Healey, M - P:E7
Heath, S - P:B72
Heekeren, HR - P:A42
Heim, S - P:C55
Henderson, D - P:A68
Henderson, J - P:C58
Henry, ML - P:D65
Henry, M - P:B7, P:D6
Henry, RG - P:D65
Hernandez, AE - P:A43, P:C20, P:C34, P:E37
Herrmann, B - P:D6
Herron, T - P:B45
Hertrich, I - P:B48
Hestvik, A - S:B3, P:A57, P:A63
Heugel, N - P:E11
He, Y - P:C44
Hickok, G - P:A33, P:B1, P:B58, P:C8, P:C9, P:D15, P:E13, P:E17
Hidot, S - P:B47
Hirshorn, E - P:A31, P:E30
Hoffman, P - S:D1
Holcomb, PJ - P:D26, P:D28
Holcomb, P - P:C25
Holgate, E - P:D4
Holland, A - P:D63
Holle, H - P:E5
Holt, A - P:B49
Holt, LL - P:A15
Holt, T - P:A38
Honda, M - P:E40
Hope, T - P:C70, P:E33, P:E56
Hopfinger, J - P:D22
Hosoda, C - P:E40
Houde, JF - P:C17
Houde, J - P:A23
Howard III, MA - P:E8
Howard, JT - P:A22
Howe, B - P:A19
Hsu, C-H - P:D29
Hsu, F-C - P:B41
Hsu, NS - P:D55
Hua, M-S - P:C60
Huang, H-W - P:B55
Huang, J - P:D42
Hubbard, AL - P:A1
Hubbard, HI - P:D63
Hubbard, T - P:D38
Huettig, F - P:C4
Hufford, R - P:E67
Hulten, A - P:C14, P:D44
Humphreys, G - P:A49
Humphries, C - P:D34, P:E11
Hwang, S-O - P:A32
Hwang, T-J - P:B41
Hyun, J - P:B43

I

Ille, S - P:C21
Ingeholm, J - P:E7
Ip, TN-m - P:E31
Irwin, D - P:E64
Isel, F - P:A4
Isenberg, AL - P:B4
Ivanitsky, A - P:D61
Ivanova, M - P:A72, P:C51, P:E65
Iverson, P - P:A16

J

Jacks, A - P:D13
Jackson, G - P:D53
Jaeggi, SM - P:D55
Jaimes Bautista, AG - P:C42, P:D50
Jansma, BM - P:E58, P:B12
Jantzen, KJ - P:A19
Jantzen, M - P:A19
Jan, W - P:E59
Jarvis, ED - P:A22
Jasmin, K - P:E7
Jefferies, B - P:A54, P:D52
Jens, S - P:E49
Jeong, H - P:C19
Jerbi, K - P:D9
Jernigan, T - P:B2
Jerônimo, GM - P:A71
Jiang, C - P:A53
Jiang, X - P:D67
Jia, X - P:B24
Joanette, Y - P:B44, P:B46, P:D17
Jo, HJ - P:E35
Johns, A - P:B8
Johnson, A - P:E19
Johnson, K - S:A1, P:C18, P:E9
Johnson, L - P:C63
Jones, M - S:C4, P:C53
Jonkers, R - P:C45
Josephs, O - P:A25
Jouen, A-L - P:B47
Justus, T - P:B6

K

Kaan, E - P:D4, P:E43
Kadipasaoglu, C - S:B4, P:B38, P:D37
Kaestner, E - P:C24
Kaliuzhna, M - P:A44
Kapse, K - P:C66
Kawabata-Duncan, K - P:E28
Kawasaki, H - P:E8
Kawashima, R - P:C19
Kaynak, H - P:A5
Kazanina, N - P:B3, P:C30
Kempen, G - S:E4
Kenett, YN - P:C32
Key, A - P:C6
Khadilkar, M - P:E28
Khan, S - P:B17
Kimppa, L - P:D72
Kingma, B - P:C25
Kiran, S - P:A66, P:C66, P:E66
Kirkham, J - P:E43
Kirsten, M - P:B48
Kjelgaard, M - P:E60
Klein, D - P:E36, P:E39
Klimovich-Smith, A - P:B61
Klooster, N - P:C59
Klos, S - P:A3
Kluender, R - P:B63
Knight, RT - P:B13
Kojima, K - P:C62
Kok, P - P:A47
Komori, N - P:D71
Kort, NS - P:C17
Koskinen, M - P:A21
Kotz, S - P:A13, P:C48
Kouklia, C - P:A4
Kozintseva, E - P:A72
Kraft, I - P:E62
Kreiner, H - P:B23
Krichmar, J - P:C9
Krieger-Redwood, K - P:D52
Krieg, SM - P:C21
Krishnan, S - P:A39
Kristensen, LB - P:A62
Kroczek, l - P:E5
Kronbichler, M - P:C23
Ktori, M - P:C25
Kuchinsky, SE - P:A9
Kujala, T - P:D72
Kuperberg, G - P:A68, P:E50
Kuptsova, S - P:A72, P:D61, P:E65
Kutas, M - P:A29, P:C1
Kwok, V - P:C15

L

Laaksonen, H - P:D9
Lacey, EH - P:D67
Lahiri, A - P:E12
Lai, VT - P:B39
Lai, VT - P:C4
LaMarr, T - P:A34
Lambon Ralph, MA - S:D1, P:A49
Lam, D - P:C71
Lam, N - P:D44
Landi, N - P:D2
Langston, W - P:D38
Lau, E - P:A68, P:B53
Lavan, N - P:A2, P:A27, P:D5
Leclerc, P-O - P:B46
Ledoux, K - P:C16, P:C41
Leech, R - P:A39, P:B16, P:E20
Lee, C-Y - P:D29, P:E32
Lee, JC - P:B70
Lee, S-H - P:D36
Leff, A - P:C70
Leff, AP - P:E56
Leitner, Y - P:A30
Lense, M - P:C6
Leonard, M - P:A34, P:B9, P:D31, P:E9
Lerma-Usabiaga, G - P:B66
Lesage, F - P:B46
Leshinskaya, A - P:C38
Levenberg, K - S:C2
Lewis, K - P:E11
Liebenthal, E - P:E11
Liégeois-Chauvel, C - P:E21
Lillywhite, L - P:D53
Li, L - P:B30
Lima, C - P:A2, P:A10, P:D5
Lim, L - P:C70
Lim, S-J - P:A15
Lindgren, M - P:C31
Lingnau, A - S:D2
Li, P - P:A38, P:B28, P:B29
Liu, S - P:E7
Llorens, A - P:E21
Lloyd-Fox, S - P:A39
Lobben, M - P:E57
Long, DL - P:D43
Long, S - P:A53
López-Pérez, P-J - P:C29
Lortie, C - P:D8
Loureiro, FS - P:A71
Love, T - P:B1, P:C68, P:E68, P:E69
Ludersdorfer, P - P:C23
Luo, Y - P:A53
Lupyan, G - P:D54
Lu, S - P:D4

M

MacDonald, A - P:C47, P:D30
Macedonia, M - P:E1
MacGregor, L - P:E45
MacKay, D - P:C63
MacKenzie, S - P:E68
Mack, J - P:D48
MacSweeney, M - P:E29
Madden-Lombardi, C - P:B47
Magne, C - P:C6, P:D38, P:E2
Magnotti, JF - P:C11
Magnotti, J - P:C10
Magnusdottir, S - P:A45
Magnuson, J - P:B8, P:D2, P:E10
Maguire, MJ - P:B62
Maguire, M - P:C33
Makeig, S - P:A7
Makris, N - P:E67
Maling, J - P:D51
Malyutina, S - P:A72
Malyutina, S - P:E65

Mandelli, ML - P:D65
Marcinek, BT - P:B60
Marcotte, K - P:C64
Maria del Carmen, PC - P:B26
Marslen-Wilson, W - P:B61
Marsolais, Y - P:D17
Marstaller, L - P:E3
Martin, A - P:C27, P:E7, P:E35
Martin, B - P:E18
Martínez Juárez, I - P:C42
Martinez-Lincoln, A - P:C39
Martynova, O - P:A64, P:D61
Marut, C - P:E24
Mashal, N - P:C32
Massa, J - P:D66
Masterton, R - P:D53
Matchin, W - P:B58, P:E13
Matsuzaki, N - P:C62
Ma, WJ - P:C10
Mayberry, C - P:B72
Mayberry, R - P:D31
Mayer, KM - P:E1
Mayorova, L - P:A64, P:D61
Ma, Y - P:C44
McAuley, JD - P:C48
McClaskey, C - P:A14
McCord, J - P:B62
McCullough, S - P:A35
McGettigan, C - P:A2, P:A25
McGregor, WB - P:E16
McHenery, C - P:A46
McMahon, KL - P:D16
McMahon, K - P:A46, P:B72, P:C18, P:C73, P:D30, P:E46, P:E61
McMillan, C - S:E1, P:A6, P:A48, P:A69, P:B65, P:C5, P:C67, P:E64
McMillan, CT - P:C43, P:C55
McMurray, B - P:B27, P:E8
Meekings, S - P:A27
Mehravari, AS - P:D32
Mehta, S - P:A35
Meltzer-Asscher, A - P:D48
Menenti, L - P:A60
Mercure, E - P:A39
Mershina, E - P:C51
Mesgarani, N - S:A1
Mesite, L - P:B8
Mestre, Z - P:D69
Methqal, I - P:B44
Meyer, B - P:C21
Mezer, A - P:E44
Michaelsen, JLD - P:C54
Michael, S - S:E3
Michaud, J - P:E67
Michel, D - P:B63
Mickleborough, M - P:D23, P:D59
Midgley, KJ - P:D26, P:D28
Miller, BL - P:D65
Min, NE - P:C55
Miranda, R - P:E55
Mirjam, S - P:E49
Mirman, D - P:C65
Mitchell, T - S:D4
Mizraji, E - P:A55
Mollo, G - P:A54
Molnar, M - S:C1
Monahan, P - P:E25
Monchi, O - P:B44
Moore, M - P:A31, P:D21, P:E30
Morgan-Short, K - P:E41
Moseley, R - P:D68
Mosely, MA - P:A22
Moser, D - P:D12
Mousas, A - P:D18
Mozeiko, J - P:B71
Mukamel, R - P:C26
Müller, HM - P:D19
Mulyak, M - P:A16
Murphy, B - S:D4
Musz, E - P:A51
Myers, E - P:B8, P:B71, P:C2

N

Nagarajan, S - P:A23, P:C17
Nagels, A - P:D40
Nakai, T - P:B59
Narayanan, S - P:C3
Narayana, S - P:D18
Nariai, T - P:E40
Nathan, P - P:D30
Nevat, M - S:C2
Neville, H - P:B25
Newman, AJ - P:E19
Newman, SD - P:E34
Newman, S - P:B33
Ng, S - P:C35
Nickels, S - P:C28
Nied, AC - P:A11
Nielsen, AH - P:E16
Nielsen, RH - P:C54
Niziolek, C - P:A23
Nogueira, EL - P:A71
Nopoulos, PC - P:B70
Norise, C - P:B68
Nourski, KV - P:E8
Novick, JM - P:D55
Novick, J - P:B34
Nozari, N - P:C61
Nusbaum, HC - P:A3
Nusbaum, H - P:A37

O

Oberhuber, M - P:E33, P:E56
Obler, LK - P:B43, P:C45
Obler, L - P:C72
Obleser, J - P:A13, P:B7, P:D6
O'Connor, E - P:B56
Oganian, Y - P:A42
O'Grady, L - P:A33
Ojo, E - P:C72
Okada, K - P:A33
Oksana, F - P:E65
Oliver, M - P:B21
Olm, C - P:A48, P:C55, P:E64
Olson, B - P:A11, P:B69
Olson, IR - P:C65
Oostenveld, R - S:E4
Orionzi, B - P:E7
Ossmy, O - P:C26
Osterhout, L - P:D32
Ostrovskaya, I - P:E60
Oveis, A - P:C72
Oya, H - P:E8

P

Pablos, L - P:B26
Palomar-García, M-A - P:A40, P:C22
Pancani, GC - P:D22
Papanicolaou, A - P:D18
Papeo, L - S:D2
Parker Jones, 'Ō - P:E33, P:E56
Parkes, LM - S:D3
Partanen, E - P:D72
Pascual-Leone, A - S:D2
Patael, S - P:C36
Patrick, S - S:E3
Pauker, E - P:E6
Payne, H - P:E29
Paz-Alonso, PM - P:B21, P:B66
Pechenkova, E - P:C51
Peelle, JE - P:A58
Peelle, J - S:C3, P:B54, P:C67
Peleg, O - P:B23, P:E48
Peña, M - S:C1
Pendl, S - P:D34
Peng, CS - P:C27
Peng, G - P:D2
Perea, M - P:D62
Perfetti, C - P:D20, P:D25
Perrachione, T - P:E60
Perry, L - P:D54
Pesaran, B - P:E23
Peter, M - S:E3
Petersen, B - P:A18
Petersson, KM - P:C14
Petrushevsky, A - P:A64, P:A72, P:D61
Pexman, P - P:B36
Pfenning, AR - P:A22
Piai, V - P:D56
Piantoni, G - S:E4
Pierce, L - P:E39
Pieters, T - S:B4, P:D37
Pliatsikas, C - P:D64
Pluta, J - P:C69
Poeppel, D - P:C7
Polczynska, M - P:C53
Pol, G - P:E59
Poppa, T - P:B1
Porcari, G - P:A6, P:B65, P:C5
Portnova, G - P:D61
Pouliot, P - P:B46
Powers, J - P:A69, P:C55, P:E64
Powers, JP - P:C43
Prejawa, S - P:E33, P:E56
Price, A - P:B54
Price, AR - S:C3
Price, CJ - P:E33, P:E56
Price, C - P:C70
Pridmore, M - P:C6, P:E2
Provot, JS - P:B44
Pu, H - P:D26
Pulvermüller, F - P:B18, P:D68, P:E47
Purcell, J - P:D70
Pylkkänen, L - P:B56, P:D46

Q

Qi, Z - P:E60
Quiñones, I - S:C1, P:B66

R

Raizen, A - S:B1
Ramachandra, V - P:D66
Ramirez-Sarmiento, A - P:A63
Ramos Nuñez, AI - P:A43, P:E37
Raphel, K - P:B1
Rapp, B - P:D70
Rascovsky, K - P:E64
Rattinger, M - P:D60
Rauschecker, J - P:D7
Ravid, M - P:A43, P:E37
Rawlings, A - P:D30
Read, S - P:C73, P:E61
Redjep, O - P:E20
Reilly, J - P:B4
Reilly, M - P:E22
Reitz, F - P:D69
Rezaie, R - P:D18
Rhone, AE - P:E8
Richards, T - P:D69
Rickles, B - P:D20
Ries, S - P:B13
Rijpkema, M - S:E4
Ringel, F - P:C21
Rivas, M - P:A22
Roberts, D - P:A36
Robinson, G - P:A65
Robinson, G - P:C57
Rodd, JM - P:A52, S:E2
Rodd, J - P:C13
Rodríguez Agudelo, Y - P:C42, P:D50
Rodriguez, A - P:C47
Rodríguez Camacho, MA - P:C42, P:D50
Roelofs, A - P:D56
Rogalsky, C - P:A33, P:B1, P:C68
Rolke, B - P:B48
Rong, F - P:C9
Rorden, C - P:D63
Rosen, S - P:A10, P:A13
Rossi, E - P:B33

Roth, H - P:D13
Ro, T - P:B50
Roulhac, P - P:A22
Roux, F - P:B35
Roxbury, T - P:A46, P:B72
RoyChoudhury, A - P:E18
Royle, P - P:B60
Rozman, M - S:B2, P:B19
Różycka, J - P:A28
Rubio-Gozalbo, E - P:E58
Rynne, I - P:C54

S

Saad, ZS - P:E35
Saberi, K - P:C8, P:E17
Sabri, M - P:E11
Sack, AT - P:E27
Sakai, H - P:A53
Sakai, KL - P:B59
Saling, M - P:D53
Saltuklaroglu, T - P:D3
Sammler, D - S:A4
Sandmann, P - P:A18
Sanjuan, A - P:A40, P:C22
Santens, P - P:B10
Sassa, Y - P:C19
Sassenhagen, J - P:B57
Sass, K - P:C18
Sato, M - P:D8
Sayers, J - P:C72
Scharinger, M - P:B7, P:D6
Scherer, LC - P:A71
Schiller, N - P:B26
Schlesewsky, M - P:C49, P:D40
Schmidt, J - P:C58
Schneider, JM - P:B62
Schnur, TT - P:C46
Schoffelen, J-M - P:D44
Schoot, L - P:A60
Schretlen, D - P:D35
Schuh, J - P:C2
Schuhmann, T - P:E27
Schwartz, RG - P:A57
Schwartz, R - P:A31
Scott, SK - P:A10, P:A13, P:A27
Scott, S - P:A2, P:A25, P:D5
Segaert, K - P:A60
Seghier, ML - P:E33, P:E56, P:C70
Seidenberg, M - P:D34
Sevan, D - P:A72
Shafer, VL - P:E18, P:E24
Shafer, V - P:A57, P:E14
Shakibai, M - P:E24
Shanmugalingam, P - P:A2
Shapiro, LP - P:E68, P:E69
Sharpe, V - S:B1
Shaw, K - P:A17
Sheng, T - P:C3
Shera, C - P:D10
Sher, K - P:E60
Shiller, DM - P:A26, P:B15
Shivers, C - P:C48
Shtyrov, Y - P:B18, P:D68, P:E45, P:E54
Shu, H - P:A38
Shum, M - P:B15
Siddarth, P - P:C53
Silburn, P - P:D30
Silva Pereyra, JF - P:D50
Simcox, T - P:D25
Simmonds, AJ - P:E20
Simonsen, A - P:E4
Simos, P - P:D18
Sims, JA - P:C66
Sinitsyn, V - P:C51
Siok, WT - P:E31, P:E63
Skeide, MA - P:E62
Skipper, LM - P:C65
Sliwinska, MW - P:E28
Small, SL - P:D40, P:B49
Smirnova, T - P:D11
Smith, K - P:C58, P:D14
Sneed-German, E - P:E51
Snider, SF - P:A67, P:D67
Snijders, TM - S:E4
Soderblom, EJ - P:A22
Sollmann, N - P:C21
Spalek, K - P:A42
Spiro, A - P:C72
Spotorno, N - P:C5, P:A6, P:B65, S:E1
Sprouse, J - P:B58
Stafura, J - P:D20
Staum Casasanto, L - P:E55
Stefan, S - P:E59
Steinhauer, K - P:B60, P:C28, P:D47, P:E6
Steinschneider, M - P:E18
Stengel, B - S:B2, P:B19
Stevens, WD - P:C27
Stothart, G - P:B3
Strauss, A - P:B7
Strauß, A - P:D6
Strijkers, K - P:C22
Strobbe, G - P:B10
Suarez-Coalla, MP - P:B66
Subik, J - P:E29
Sugiura, M - P:C19
Sullivan, J - P:B32
Sullivan, N - P:E69
Sung, K - P:D35
Sussman, BL - P:E34
Suzuki, W - P:C19
Swaab, T - P:B52
Swaab, TY - P:C40, P:D43
Szepesvari, E - P:E38
Szwed, M - P:A28

T

Tager-Flusberg, H - P:E60
Takashima, A - P:D56
Tallal, P - P:B2
Talukdar, P - S:D4
Tanaka, K - P:E40
Tandon, N - S:B4, P:B38, P:D37, P:D57
Tanigawa, N - P:C21
Tan, L-H - P:C15
Tan, LH - P:E31, P:E63
Tanner, D - P:E41
Taulu, S - P:B17
Teige, C - P:A54, P:D52
Temereanca, S - P:B17
ten Velden, J - P:B14
Tessaro, B - P:A71
Teubner-Rhodes, S - P:B34
Thesen, T - P:E23
Thierry, G - S:C4
Thomas, M - P:A12
Thompson, CK - P:D48
Thompson, JW - P:A22
Thompson-Schill, SL - P:A51, P:D45, P:C61, P:B31
Thors, H - P:A45
Thothathiri, M - P:D60
Thurman, S - P:E13
Tiemann, S - P:B48
Tillmann, B - P:B6
Till R, S - P:C37
Tilo, K - P:E49
Timmers, I - P:E58
Ting, C - P:B33
Titone, D - P:A50
Tomblin, JB - P:B70
Tomkovicz, V - P:B1
Toron, D - P:D66
Torres Agustín, R - P:C42, P:D50
Torres, C - P:D31
Travis, K - P:A30
Traxler, M - P:B52, P:C40
Trébuchon, A - P:E21
Tremblay, A - P:E19
Tremblay, F - P:C64
Tremblay, P - S:A3, P:D8
Trotter, D - P:D51
Trueswell, JC - P:D45
Trueswell, J - P:B31
Tsai, J-L - P:D29, P:E15, P:E32
Tseng, T-W - P:C60
Tseng, W-YI - P:B42
Tune, S - P:D40
Turkeltaub, PE - P:A67, P:D67
Turkeltaub, P - P:D7
Turken, A - P:B45
Tyler, LK - P:D33
Tyler, L - P:A56
Tzeng, Y-L - P:D29
Tzen, K-Y - P:C60

U

Uchida, S - P:D71
Udden, J - P:C14, P:D44
Ullman, MT - P:E55
Urbach, TP - P:A29

V

Vaden, KI - P:A9
Vaissière, J - P:A4
Valdes Kroff, J - P:B31
Valdivia, J - P:B32
Valle-Lisboa, JC - P:A55
Vallila-Rohter, S - P:A66
van Berkum, JJ - S:E4
van Dam, W - P:E52
van den Hurk, J - P:E58
Vanderauwera, J - P:E59
van der Meij, M - P:C29
Vandermosten, M - P:E59
Van Hees, S - P:B72
van Hees, S - P:C73, P:E61
van Hell, JG - P:B33
van Mierlo, P - P:B10
Vazquez, D - P:D24
Venezia, J - P:E13
Ventre-Dominey, J - P:B47
Ventura-Campos, N - P:A40, P:C22
Vergara-Martínez, M - P:D62
Verreyt, N - S:E3
Vigil, C - P:C53
Viglocco, G - P:A36
Villard, S - P:E66
Vinson, D - P:A36
Vitello, S - S:E2, P:A52, P:C13
Vlasova, R - P:C51, P:E65
Vonk, JMJ - P:C45
von Koss Torkildsen, J - P:C31
von Kriegstein, K - P:E1
Vosse, T - S:E4
Vroomen, J - P:A17
Vuust, P - P:A18

W

Wade, S - P:B32
Wagner, A - P:A16
Wagner, E - P:A37
Wagner, M - P:E18
Wagner, V - P:C20
Walenski, M - P:C68, P:E68, P:E69
Walker, E - P:D1
Walker, G - P:C9, P:D15
Wallace, GL - P:E35
Wallentin, M - P:A62, P:C54, P:E16
Walshaw, P - P:C53
Wandell, B - P:E44
Wang, L - P:C49
Wang, S - P:D42
Wang, WS-Y - P:D2
Wang, Y - P:B28
Wang, YW - P:D58
Warburton, EA - P:B67
Ward, D - P:D64
Ward, L - P:A25
Warren, D - P:B27, P:C59
Warren, JE - S:E2, P:A52

Waters, G - P:E66
Watkins, KE - P:E36
Watkins, K - P:D64
Watson, C - P:D65
Wayland, R - P:D4
Weber, K - P:A68
Weed, E - P:A18, P:B64, P:E4
Weinberg, D - P:A69
Weisberg, J - P:A1
Weissberger, GH - P:C56
Weiss, S - P:D19
Welbourne, S - S:D3
Welker, O - P:D69
Wende, K - P:E49
Wexler, K - P:E60
Wheat, KL - P:E27
Whelpton, M - P:D51
White, E - P:D66
Whitney, O - P:A22
Wicha, N - P:C35, P:C39, P:D49
Wieland, E - P:C48
Wierenga, CE - P:C56
Wijnen, F - P:E43
Wilson, SM - S:A2, P:A20, P:C71
Wimmer, H - P:C23
Winer, J - P:A37
Win, K - P:C69
Wise, RJS - P:B16, P:E20
Wlotko, EW - P:A70
Wolk, D - P:C69
Wong, C-H - P:B40
Woollams, AM - S:D1
Woollams, A - P:C13
Wrencher, A - P:A31
Wuehle, A - P:B48
Wu, H - P:A38
Wu, YC - P:A7

X

Xie, K - P:B13
Xue, J - P:D27
Xu, M - P:E63
Xu, T - P:C30
Xu, Y - P:E7

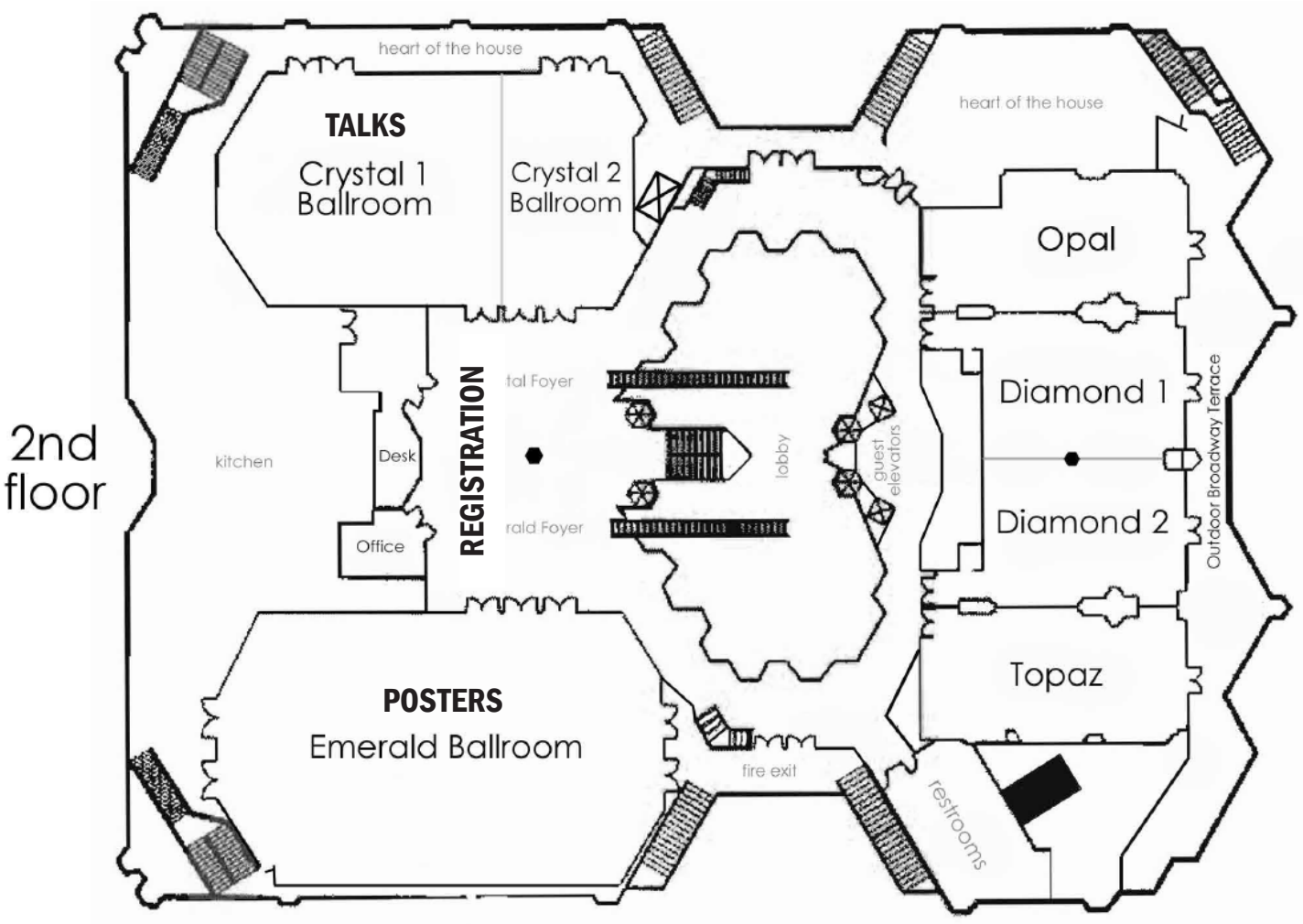
Y

Yagle, K - P:D69
Yamada, J - P:C53
Yang, F-PG - P:C60
Yang, FP - P:D58
Yang, J - P:B49, P:D27, P:E63
Yanilmaz, A - P:A61
Yan, X - P:B30
Yeatman, J - P:E44
Yildiz, IB - P:E1
Yoder, P - P:C48
Young, L - P:D69
Yum, YN - P:D28
Yushkevich, PA - P:C43
Yushkevich, P - P:C69
Yu, Y - P:E24

Z

Zhang, B - P:B24
Zhang, C - P:D2
Zhang, JX - P:B24
Ziegler, J - P:A28
Zinszer, B - P:A38
Zou, L - P:B30
Zugarramurdi, C - P:A55

Hotel Floor Plan



Mark Your Calendar

The Sixth Annual Meeting of the Society for the Neurobiology of Language will be held at the Beurs van Berlage in Amsterdam, August 27-29, 2014