

# David Poeppel

## *CURRICULUM VITAE*

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### Education

Massachusetts Institute of Technology	1990-1995	Ph.D.
Massachusetts Institute of Technology	1987-1990	B.S.
Ludwig-Maximilians-Universität München	1985-1986	
Bowdoin College, Brunswick, Maine	1984-1986	
Maximiliansgymnasium, München, Germany	1974-1984	Abitur

### Professional Appointments and Awards

*Co-Director Max-Planck-NYU Center for Language, Music, and Emotion (CLaME)*  
New York & Frankfurt  
January 2019-

*Director, Department of Neuroscience*  
Max-Planck-Institute for Empirical Aesthetics  
Frankfurt, Germany, June, 2014-Dec 2021

*Professor*  
Department of Psychology  
New York University, 2009-

*Visiting Professor*  
Kanazawa Institute of Technology  
Kanazawa, Japan, 11/2001-2005

*Assistant/Associate/Full Professor*  
Department of Linguistics & Department of Biology  
University of Maryland College Park, 1998-2008

*Adjunct Assistant Professor*  
Department of Radiology  
University of California San Francisco, School of Medicine, 1997

*Post-Doc*  
Department of Radiology  
UCSF, School of Medicine. 08/1995-12/1996

#### Awards

*Fellow*  
American Association for the Advancement of Science, Elected 2007

*DaimlerChrysler Berlin Prize*  
American Academy Berlin, Fall 2004

*Fellow*  
Wissenschaftskolleg zu Berlin (Institute for Advanced Studies)  
2003-2004

## **Bibliography**

### **Books and Special Issues edited**

**Poeppel, D.** (ed.), Special issue: Brain and Speech. *Cognitive Science*. **21** (5), 2001.

Hickok, G. and **Poeppel, D.** (eds.), Special issue: Towards a new functional anatomy of language. *Cognition* **92** (1-2), May-June 2004.

Zaefferer, D & **Poeppel, D.** Special issue: Explaining the (in)variance of human language: Divergent views and converging evidence. *Biolinguistics*. 2010.

Hinzen, W. & **Poeppel, D.** (Eds.). Special Issue: Cognitive neuroscience of semantics. *Language and Cognitive Processes*, 2011.

**Poeppel, D.**, Overath, T. Popper, A. & Fay, R. (2012). *The Human Auditory Cortex*. Springer Handbook of Auditory Research. New York: Springer.

**Poeppel D**, Gazzaniga M, Mangun GR (2020). *The Cognitive Neurosciences VI*. Cambridge MA, MIT Press.

### Chapters in books

1. Phillips, C., Marantz, A., McGinnis, M., Pesetsky, D., Wexler, K., Yellin, E., **Poeppel, D.**, Roberts, T.P.L., Rowley, H. (1995). Brain mechanisms of speech perception: A preliminary report. *MIT Working Papers in Linguistics* **26**: 153-192.
2. **Poeppel, D.** (1996). What genetics can and can't learn from PET studies of phonological processing. In Towards a Genetics of Language, Mabel Rice (ed.), p. 341-370, New York: Lawrence Erlbaum.
3. **Poeppel, D.** (1996). The acquisition of Inuktitut: comments on Crago and Allen. In Towards a Genetics of Language, Mabel Rice (ed.), p. 291-296, New York: Lawrence Erlbaum.
4. **Poeppel, D.** (1997). The relevance of temporal resolution for functional neuroimaging studies of speech and language processing. Proceedings of 5th International Congress on Phonetic and Linguistic Sciences, W. Ziegler and K. Deger (eds.), p. 229-239, London: Whurr.
5. Greenberg, S., **Poeppel, D.** and Roberts, T. (1998) A space-time theory of pitch and timbre based on cortical expansion of the cochlear traveling wave delay. In Psychophysical and Physiological Advances in Hearing, A. Palmer, Q. Summerfield, A. Rees, R. Meddis (eds.) London: Whurr Publishers, pp. 293-300.
6. **Poeppel, D.** and Marantz, A. (2000). Cognitive neuroscience of speech sound processing. In Miyashita, Marantz, O'Neil (eds). Image, Language, Brain. Cambridge, MA: MIT Press.
7. **Poeppel, D.** (2005). The interdisciplinary study of language and its challenges. In D. Grimm (Ed.), Jahrbuch des Wissenschaftskollegs zu Berlin, Germany.
8. **Poeppel, D.** and Embick, D. (2005). The relation between linguistics and neuroscience. In A. Cutler (ed.), Twenty-First Century Psycholinguistics: Four Cornerstones. Lawrence Erlbaum, 103-120.
9. Embick, D. and **Poeppel, D.** (2005). Mapping syntax using imaging: prospects and problems for the study of neurolinguistic computation. In K. Brown (ed.), Encyclopedia of Language and Linguistics 2<sup>nd</sup>, Oxford: Elsevier.
10. **Poeppel, D.** & Stroud C (2006). Gesichtserkennung aus der Perspektive der kognitiven Neurowissenschaften. In Hüppauf, B. & Wulf, C.(Eds.): Bild und Einbildungskraft. München: Fink, 159-177.]

REPUBLISHED 2008: The nature of face recognition: a perspective from the cognitive neurosciences. Hüppauf, B. & Wulf, C. (Eds.), The Dynamics and Performance of Imagination: Images between the Visible and the Invisible. London: Routledge.

11. Blum, A. & **Poeppl D.** (2007). Intuition. In Welsh, C. & Willer, S. (Eds.), Interesse für bedingtes Wissen. Wechselbeziehungen zwischen den Wissenschaften. München: Fink.
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14. **Poeppl, D.** (2008). The cartographic imperative: Confusing localization and explanation in human brain mapping. In Bredekamp, Bruhn & Werner (Eds.), Bildwelten des Wissens. "Ikonographie des Gehirns" (Bildwelten volume 6.1, Spring 2008).
15. **Poeppl, D.** (2008). Cognitive Neuroscience of Language: an Unabashedly Parochial Primer. Pomona College.  
(<http://www.lcs.pomona.edu/HewlettCognitiveScience/index.html>).
16. Idsardi, W. & **Poeppl, D.** (2012). Neuro-physiological techniques in Laboratory Phonology. Cohn (Eds.) Handbook in Laboratory Phonology.
17. Lütkenhöner, B. & **Poeppl, D.** (2011). From Tones to speech: magnetoencephalographic studies. In Winer J. & Schreiner C. (Eds.), The Auditory Cortex, pp 597-616. New York: Springer.
18. **Poeppl, D.** & Idsardi, W. (2011). Recognizing words from speech: the perception-action-memory loop. In Gaskell, G. & Zwitserlood, P., Eds. Lexical Representation: A Multidisciplinary Approach. Berlin: Mouton.
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21. Hagoort, P. & **Poeppe**, D. (2013). The infrastructure of the language-ready brain. Music, Language, and the Brain. Ernst Strüngmann Forum, Frankfurt. Cambridge MA MIT Press.
22. Fritz, JB, **Poeppe** D. et al. (2013). The neurobiology of language, speech, and music. In Arbib M (ed), Music, Language, and the Brain. Ernst Strüngmann Forum, Frankfurt.
23. Ghazanfar, A.A. and **Poeppe**, D. (2014) The neurophysiology and evolution of the speech rhythm. In The Cognitive Neurosciences V (Gazzaniga, M.S., ed.), pp. 629–638, MIT Press.
24. **Poeppe** D. (2014). The neuroscience of language. In Marcus G & Freeman J (eds) The Future of The Brain: Essays By The World's Leading Neuroscientists. Princeton: Princeton University Press.
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26. **Poeppe** D & Hickok G. (2015). Electromagnetic recording of the auditory system. In Celesia & Hickok (Eds.), Handbook of Clinical Neurology.
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28. Arnal LH, **Poeppe** D, Giraud AL (2015). Temporal coding in the auditory cortex. Handb Clin Neurol. 2015;129:85-98. doi: 10.1016/B978-0-444-62630-1.00005-6.
29. **Poeppe**, D. (2016). Sprache hören und verstehen. In Böttger H & Sambanis M (Eds.). Focus on Evidence – Fremdsprachendidaktik trifft Neurowissenschaften. pp53-76. Narr Francke Verlag, Tübingen.
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31. **Poeppe** D, Cogan G, Davidesco I, Flinker A (2019). Speech Perception: a perspective from lateralization, motorization, and oscillation. In G De Zubicaray & N Schiller (Eds.), The Oxford Handbook of Neurolinguistics.
32. Gross J, **Poeppe** D. (2019). Neural Oscillations and Their Role in Speech and Language Processing In P Hagoort (Ed.), Human Language: from genes and brain to behavior. MIT Press.

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34. Melloni, L., Buffalo, E. A., Dehaene, S., Friston, K. J., Ghazanfar, A. A., Giraud, A. L., ... & **Poeppel, D.** (2019). Computation and its neural implementation in human cognition. In *The neocortex* (pp. 323-346). The MIT Press.
35. **Poeppel D** & Teng X. (in press). Entrainment in Human Auditory Cortex: Mechanism and Functions. In B Grothe (Ed), *The Senses*. Springer.
36. **Poeppel D** & Sun Y (in press). Neural encoding of speech and word forms. In Papafragou A, Gleitman L, Trueswell J (Eds), *Oxford Handbook of the Mental Lexicon*.
37. Larrouy-Maestri P, **Poeppel D**, Pfordresher P (in press). Pitch units in music and speech prosody. In Scharinger M & Wiese R (Eds.), *Prosody from a cross-domain perspective*.

#### Articles in Refereed Journals

1. Pöppel, E. and **Poeppel, D.** (1985). Kurzfristige und langfristige Veränderungen der Reaktionszeit und des Konzentrationsvermögens bei Squashspielern, *Leistungssport* **15** (4), 51-54.
2. **Poeppel D.** and Wexler K. (1993). The full competence hypothesis of clause structure in early German. *Language* **69** (1): 1-33.
3. Roberts, T.P.L. and **Poeppel, D** (1996). Latency of auditory evoked M100 as a function of tone frequency. *NeuroReport* **7**(6): 1138-1140.
4. **Poeppel, D.** (1996). A critical review of PET studies of phonological processing. *Brain and Language* **55** (3): 317-351.
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6. **Poeppel, D.**, Yellin, E., Phillips, C., Roberts, T.P.L., Rowley, H., Wexler, K., Marantz, A. (1996). Task-induced asymmetry of the auditory evoked M100 neuromagnetic field elicited by speech sounds. *Cognitive Brain Research* **4**: 231-242.
7. **Poeppel, D.** and Roberts TPL. (1996). Effects of vowel pitch and task demands on latency and amplitude of the auditory evoked M100. *Brain & Cognition* **32** (2): 156-158.

8. **Poeppe**, D., Phillips, C., Yellin, E., Rowley, H.A., Roberts, T.P.L., and Marantz, A. (1997). Processing of vowels in supratemporal auditory cortex. *Neuroscience Letters* **221**: 145-148.
9. Sekihara, K., **Poeppe**, D., Marantz, A., Koizumi, H., Miyashita, Y. (1997). Noise covariance incorporated MEG-MUSIC algorithm: a method for multiple-dipole estimation tolerant of the influence of background brain activity. *IEEE Trans on Biomedical Engineering* 44(9): 839-847.
10. Spengler, F., Roberts, T.P.L., **Poeppe**, D., Byl, N., Rowley, H., and Merzenich, M. (1997). Learning transfer and neuronal plasticity in humans trained in tactile discrimination. *Neuroscience Letters*.**232**: 151-154.
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12. Sekihara, K., **Poeppe**, D., Marantz, A., Phillips, C., Koizumi, H., Miyashita, Y. (1997). MEG covariance difference analysis: a method to extract target source activities by using task and control measurements. *IEEE Transactions on Biomedical Engineering*. **45 (1)**: 87-97.
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18. Sekihara, K., Nagarajan, S., **Poeppe**, D., Miyashita, Y. (1999). Time-Frequency MEG-MUSIC Algorithm. *IEEE Transactions on Medical Imaging* **18 (1)**: 92-97.

19. Sekihara, K., **Poepfel, D.**, Miyauchi, S., Takino, R., Fujimaki, N., Miyashita, Y. (1999). MEG Spatio-Temporal Analysis Using a Covariance Matrix Calculated from Non-Averaged Multiple-Epoch Data. *IEEE Transactions on Biomedical Engineering*. **46**(5): 515-521.
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22. Sekihara, K., Nagarajan, S., **Poepfel, D.**, Miyauchi, S., Fujimaki, N., Koizumi, H., Miyashita, Y. Estimating Neural Sources from Each Time-Frequency Component of Magnetoencephalographic Data (2000). *IEEE Trans Biomed Eng.* **47** (5): 642-653.
23. Stufflebeam SM, **Poepfel D**, Roberts TPL (2000). Temporal encoding in auditory evoked neuromagnetic fields: stochastic resonance. *Neuroreport* 11(18): 4081-4085.
24. Phillips, C., Pellathy, T., Marantz, A., Yellin, E., Wexler, K., **Poepfel, D.**, McGinnis, M. and Roberts, TPL (2000). Auditory Cortex Accesses Phonological Categories: An MEG Mismatch Study. *J. Cogn. Neurosci.* 12: 1038-1055.
25. Disbrow, E., Roberts, T, **Poepfel, D.**, Krubitzer, L. (2001). Evidence for interhemispheric processing of inputs from the hands in the human S2 and PV. *Journal of Neurophysiology.* 85(5): 2236-2244.
26. Sekihara, K., Nagarajan, S., **Poepfel, D.**, Marantz, A., Miyashita, Y. (2001). Reconstructing spatio-temporal activities of neural sources using an MEG vector beamformer technique. *IEEE Transactions on Biomedical Engineering* **48** (7): 760-771.
27. **Poepfel, D.** (2001). New approaches to the neural basis of speech sound processing: Introduction to special issue on Brain and Speech. *Cognitive Science.* **21** (5): 659-661.
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30. Sekihara, K., Nagarajan, S., **Poepfel, D.**, Marantz, A., Miyashita, Y. (2002). Application of an MEG eigenspace beamformer to reconstructing spatio-temporal activities of neural sources. *Human Brain Mapping* 15: 199-215.



31. Lakshminarayanan K, Ben Shalom D, van Wassenhove V, Orbelo D, Houde J, **Poeppe** **D.** (2003). The effect of spectral manipulations on the identification of affective and linguistic prosody. *Brain and Language* **84**: 250-263.
32. **Poeppe** **D.** (2003). The analysis of speech in different temporal integration windows: cerebral lateralization as 'asymmetric sampling in time'. *Speech Communication* **41**: 245-255.
33. Gennari, S. and **Poeppe** **D.** (2003) Processing correlates of lexical semantic complexity. *Cognition*. **89** (1): 27-41.
34. **Poeppe** **D.**, Wharton, C., Fritz, J., Guillemin, A., San Jose, L., Thompson, J., Bavelier, D., and Braun, A. (2004). FM sweeps, syllables, and word stimuli differentially modulate left and right non-primary auditory areas. *Neuropsychologia* **42** (2), 183-200.
35. **Poeppe** **D.** and Hickok, G. (2004). Towards a new functional anatomy of language. *Cognition* **92**, 1-12.
36. Hickok, G. and **Poeppe** **D.** (2004). Dorsal and ventral streams: a framework for understanding aspects of the functional anatomy of language. *Cognition* **92**, 67-99.
37. Flöel, A., **Poeppe** **D.**, Buffalo, E., Braun, A., Wu, C., Seo, HJ, Stefan, K., Knecht, S., Cohen, L. (2004). Frontal cortex asymmetry for memory encoding of words and pictures. *Cerebral Cortex* **14**, 404-409.
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48. Chait M, **Poeppe**l D, de Cheveigne A, Simon JZ. (2005) Human auditory cortical processing of changes in interaural correlation. *J Neuroscience* 25(37), 8518-27.
49. Luo H, Husain FT, Horwitz B, **Poeppe**l D. (2005) Discrimination and categorization of speech and non-speech sounds in an MEG delayed-match-to-sample study. *Neuroimage* 28(1):59-71.
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51. Luo H, Wang Y, **Poeppe**l D, Simon JZ. (2006). Concurrent Encoding of Frequency and Amplitude Modulation in Human Auditory Cortex: MEG Evidence. *J Neurophysiol* **96(5)**:2712-2723.
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59. Fiorentino, R. & **Poeppel, D.** (2007). Compound Words and Structure in the Lexicon. (2007). *Language and Cognitive Processes*. 22: 953-1000.
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173. Assaneo, M. F., Rimmele, J. M., Perl, Y. S., & **Poeppe**, D. (2020). Speaking rhythmically can shape hearing. *Nature Human Behaviour*, 1-12.
174. Dikker, S., Wan, L., Davidesco, I., Kaggen, L., Oostrik, M., McClintock, J., ... & **Poeppe**, D. (2017). Brain-to-brain synchrony tracks real-world dynamic group interactions in the classroom. *Current Biology*, 27(9), 1375-1380.

## Under Review/bioRxiv

I Davidesco, E Laurent, H Valk, T West, S Dikker, C Milne, D **Poeppe**. Brain-to-brain synchrony predicts long-term memory retention more accurately than individual brain measures. *bioRxiv*, 644047

B Gagl, J Golch, S Hawelka, J Sassenhagen, K Gregorova, D **Poeppe**, C Fiebach. Reading at the speed of speech: Alignment of eye-movement sampling in reading with the speech production rate. *bioRxiv*, 391896

JM Rimmele, Y Sun, G Michalareas, O Ghitza, D **Poeppe**. Dynamics of functional networks for syllable and word-level processing. *bioRxiv*, 584375

- Inhoff M, Bemis D, Yahil S, **Poeppe D**. The perception of multiple faces: MEG evidence for rapid assessment of communicative intent.
- Jenkins III J, Idsardi W, Simon JZ, **Poeppe D**. Timbre.
- Binstock B & Poeppe D. The Controversy over Rembrandt's Self-portrait in a Gorget: Technical Art History versus Digital Art History

## Monographs, Reports

1. **Poeppe, D.** (1994). A review of PET studies of language. MIT Center for Cognitive Science Occasional Paper #49, June 1994, Cambridge, MA.
2. **Poeppe, D.** (1995). The neural basis of speech perception. Ph.D. dissertation, MIT.

## Book Reviews, Other Articles, and Notes

1. **Poeppe, D.** (1994). Good bone stories but no good theory. Review of C. Wills, *The Runaway Brain: The Evolution of Human Uniqueness*. *Boston Book Review*, 1(2), 21.
2. **Poeppe, D.** and Johnson, S. (1995). Neuroimaging studies of language must connect with (psycho)linguistic theories. *Behavioral and Brain Sciences* 18(2): 369-370.
3. **Poeppe, D.** (1995). In defense of Pinker. Response to Sean Greenberg, *Language: Hardware & Software*. *Boston Book Review*, 2 (3), 3.
4. **Poeppe, D.** (1995). Verso una biologia della parola e del linguaggio. *KOS*, 119/120, 34-37. [Towards a biology of speech and language]

5. **Poeppel, D.** and Rowley, H.A. (1996). Magnetic source imaging and the neural basis of dyslexia. Editorial, *Annals of Neurology* **40** (2): 137-138.
6. **Poeppel, D.** (1996). Neurobiology and linguistics are not yet unifiable. *Behavioral and Brain Sciences* **19**(4): 642-643.
7. **Poeppel, D.** (1997). Mind over chatter. Review of T. Deacon, *The Symbolic Species: The Co-evolution of Language and the Brain*, *Nature* **388**: 734.
8. **Poeppel, D.** (1999). Review of R. Ivry and L. Robertson, *The Two Sides of Perception*, MIT Press, Cambridge, 1998. *J Cognitive Neuroscience* 11:130-132.
9. **Poeppel, D.** (2000). An instinct for the past tense. Review of S. Pinker, *Words and Rules: The Ingredients of Language*, *Nature* 403: 361-362.
10. Horwitz B & **Poeppel D** (2002). How can EEG/MEG and fMRI/PET data be combined? *Human Brain Mapping* 17: 1-3.
11. **D. Poeppel**, "Ihr Heulsusen - Die Deutsche Depression und Ihre Folgen", *Frankfurter Allgemeine Zeitung*, Vol 183 p31, 9. August 2005). A piece discussing what American universities have to offer that German universities lack.
12. **Poeppel, D.** (2006). Language: Specifying the Site of Modality-Independent Meaning. *Current Biology* 16, 930-932.
13. **Poeppel, D.** & Bergelson, E. (2008). Sounds we say, play, and hear. Review of A. Patel, *Music, Language, and the Brain*. Oxford University Press 2008. *Nature* 452, 695-696.
14. **Poeppel, D.** (2009). Review for: *In Praise of Idleness: And Other Essays* by Bertrand Russell. *Nature*.
15. **Poeppel D** & Moss M (2011). Coburn wrong on research. Politico. <http://dyn.politico.com/printstory.cfm?uuid=310ACFE5-299E-4EDF-8815-E9CAC290C0E3>
16. **Poeppel D.** (2015). On Giacometti's sculpture Chariot. In *Gilded Birds*.

## Invited Talks

### 1993

- Observations on particles. Triest Encounters in Cognitive Science, Scuola Internazionale Superiore di Studi Avanzati, Triest, Italy, July, 1993.
- What we can and can't learn from PET studies of language. Merrill Advanced Studies Institute: Toward a Genetics of Language. University of Kansas, Lawrence, Kansas, November, 1993.

### 1995

- MEG studies of speech perception. Paper presented at the McDonnell-Pew Foundation Annual Symposium, Tucson, Arizona, January, 1995.
- Neuroimaging phonological processing: controversies and prospects. Dipartimento di Scienze Cognitive, Istituto San Raffaele, Milano. January, 1995.
- A brain's-eye-view of speech perception. Wellesley College, Department of Psychology, February, 1995.
- Magnetic source imaging studies of speech perception. RLE Speech Group Colloquium, Department of Electrical Engineering and Computer Science, MIT, February, 1995.
- Functional neuroimaging of speech processing: problems and prospects. Harvard Medical School, Beth Israel Hospital, Department of Neurology, Human Neurobiology Seminar Series, March, 1995.
- Functional neuroimaging of phonological processing and speech perception. UCLA, Department of Psychology, March, 1995.
- A brain's-eye-view of speech sound processing. Section of Neurobiology, Yale University School of Medicine, April, 1995.
- Magnetic source imaging of speech perception. Department of Psychology, UC Berkeley, October, 1995.

### 1996

- The neural basis of speech perception. Georgetown Institute of Cognitive and Computational Sciences (GICCS), Georgetown University Medical Center, March, 1996.
- Brain imaging and the neural basis of speech perception. Department of Psychology, San Francisco State University, March 1996.
- Developing the functional neuroanatomy of speech perception. Department of Cognitive Science, University of California Irvine, May 1996.
- Magnetoencephalography studies of speech sound processing. Berkeley Ear Club, University of California Berkeley, October 1996.

## 1997

- MEG studies of speech perception. Winter Conference on Brain Research, Breckenridge, January, 1997.
- The contribution of language acquisition to linguistic theory. Department of Linguistics, University of California Irvine, March 1997.
- Latency-based temporal coding in the auditory system: MEG evidence. Department of Cognitive Science, University of California Irvine, March 1997.
- Functional neuroimaging of speech and language processing: prospects and controversies. Department of Psychology, University of Massachusetts Amherst, March 1997.
- Reassessing the functional neuroanatomy of speech perception. Departments of Linguistics and Zoology, University of Maryland College Park, April 1997.
- Reassessing the functional neuroanatomy of speech perception. Department of Psychology, University of Pennsylvania, April 1997.
- Latency-based coding in hearing and speech perception. Department of Psychology, University of Pennsylvania, April 1997.
- Functional neuroimaging of speech sound processing. School of Human Development, University of Texas at Dallas, April 1997.
- Latency-based coding in hearing and speech perception. NTT Basic Research Laboratories, Kanagawa, Japan, May 1997.
- Language and MEG. JST Mind Articulation Project Workshop, Tokyo, Japan, May 1997.
- Neuroscience and language. Department of Linguistics, University of Maryland at College Park, November 1997.

## 1998

- University of Maryland, Baltimore County, "Functional brain imaging of speech and hearing", April 23, 1998.
- MIT Health Sciences and Technology Program, "Functional Imaging of Language, April 28, 1998
- University of Maryland, College Park, "Magnetic source imaging of human auditory cortex", First Annual Joint Workshop UMD-GICCS, Evolutionary perspectives on audition, May 21, 1998.
- Neural Coding Symposium. James S. McDonnell Foundation Annual Meeting, Montreal, Canada, June 14, 1998.
- Max-Planck-Institut for Cognitive Neuroscience, Leipzig, Germany. "MEG studies of speech and hearing." August 25, 1998.
- JST Symposium, Tokyo, Japan, November 16, 1998. "Cognitive neuroscience of speech sound processing" University of Maryland Baltimore, "MEG studies of speech and language", December 2, 1998.
- RTG Colloquium Series, MIT. "Timing in brain imaging", December 11, 1998.



## 1999

- Acoustical Society of America & European Acoustical Society Joint Meeting, Berlin, “Magneto-encephalographic evidence for temporal representations in human auditory cortex”, March 18
- Southern Society for Philosophy and Psychology. “The role of timing for brain imaging studies of speech and language”, Louisville KY, April 1, 1999.
- Brown University, Neuroscience Colloquium. “ The role of timing in the cortical processing of speech”, April 22, 1999.
- MIT, Department of Brain and Cognitive Sciences Colloquium, April 27, 1999.
- University of Pennsylvania, Brain and Language Colloquium, April 29, 1999.
- University of Rochester, BCS Colloquium, September 17, 1999 “Two ideas about timing in hearing and speech”

## 2000

- University of Kansas, Dept. Psychology and Human Development Center, February 18, 2000, “Timing mechanisms for speech and language”
- Utrecht University, Holland, Psychophysics of Speech Meeting, July 2000, “MEG studies of speech”
- North Eastern Linguistic Society, Georgetown University, October 7, 2000, “The functional anatomy of phonology”
- NIH-NIDCD Colloquium, October 10, 2000, “The cortical basis of speech processing”
- Japanese Science and Technology Agency, Tokyo, Nov 3 2000, “Functional neuroanatomy of speech perception: spatial and temporal considerations.”

## 2001

- DeLange Conference, Rice University, Houston, March 4-6 2001
- Invited Symposium (co-chair), Cog Neurosci Soc. Annual Meeting, New York, March, 2001
- LOT Summer School Amsterdam/Utrecht, July 16-20, 2001 (5 lectures)
- Experimental Linguistics Symposium, Tokyo, Japan, November 9, 2001
- Human Information Systems Laboratory, KIT, Kanazawa Japan, November 12
- Universidad Federal Rio de Janeiro, “Neuroscience & Language” (“Neurociencia e linguagem”, 4 lectures), December 2001

## 2002

- MIT, IAP Symposium on MEG Research, January 18, 2002.
- Georgetown University, Department of Linguistics, March 22, 2002
- University of Chicago, Department of Neurology, May 30, 2002
- The Science of Aphasia, EURESCO Conference, Acquafredda di Maratea, Italy, June 15
- University of Edinburgh, Language and Motor Integration: Neuroimaging and

- Computational Modeling UK, September 26, 2002.
- Provost's Seminar, Georgetown University, October 21, 2002, Washington DC.
- Psychonomics Neuroimaging in Language Workshop, November 21-23, Kansas City
- Language and Brain Workshop, Kanazawa Institute of Technology, Dec 12-13, Kanazawa, Japan

## 2003

- University of Pennsylvania, Institute for Research in Cognitive Science, Feb
- Max-Planck Institute for Psycholinguistics, Nijmegen, Holland, February 2003.
- Johns Hopkins University, Center for Hearing Research, March 2003.
- University of Maryland, Department Human Development, April 2003
- Mathematical Biosciences Institute, Ohio State University May 5-9, 2003.
- University of Delaware, Department of Linguistics, May 2003
- Science of Aphasia, Trieste, August 2003.
- EuroSpeech 2003, Geneva, September 4, 2003.
- University of Potsdam, Department of Linguistics, November 11, 2003.
- University of Stuttgart, Graduiertenkolleg Linguistik, November 13, 2003.
- Humboldt Universität Berlin, Department of Art History, "Das technische Bild"

## 2004

- University of Konstanz, Department of Psychology, 15 January 2004.
- Bressanone Cognitive Neuropsychology Meeting, January 30, 2004.
- Max Planck Institute for Molecular Neurobiology, Berlin, February 9, 2004
- University of Zürich, Department of Neuropsychology, February 11, 2004.
- Leibniz Center for Neurobiology, Magdeburg, February 17, 2004.
- Max Planck Institute for Cognitive Neuroscience, Leipzig, Feb 25, 2004
- Brown University, Department of Cognitive and Linguistic Sciences, March 2
- Invited Plenary Lecture: German Audiology Congress, Leipzig, March 10.
- Invited lecture: Wissenschaftskolleg zu Berlin Abendkolloquium, March 17, 2004.
- University College London, March 26, 2004.
- Zentrum für Literaturforschung Berlin, May 10, 2004
- Universität Tübingen, Department of Neurology, May 17.
- University of Zürich, Switzerland, 5/22/04
- Plenary address: Nordic Conference on Psychology, Turku, Finland, 8/30/04.
- American Academy Berlin, Abendkolloquium, 9/23/04.
- University of Newcastle, UK, Department of Neuroscience Colloquium, 10/13/04.
- Universität Hamburg Klinikum Eppendorf, Department of Neurology, 10/27/04.
- Rundfunk Berlin-Brandenburg: Wandert Deutschland's Elite ab? Brain Drain. 11/10
- Technische Universität Berlin, Department of Linguistics Colloquium, 11/17/04.
- Humboldt University Berlin, Department of Neurology Colloquium, 11/18/04.
- Humboldt University Berlin, The Symbolic Mind, 12/1/04.
- Kanazawa Institute of Technology, Kanazawa Japan, 12/8/04.

- Volkswagen Foundation Symposium “Das Bild in der Wissenschaft”, Berlin, 12/17/04

## 2005

- University of California Irvine, Department of Cognitive Science Colloquium, March 25
- Johns Hopkins University, Cognitive Science Colloquium, March 3
- Univ Southern California, Department of Linguistics Colloquium, March 21
- NYU Department of Linguistics Colloquium, April 22
- NYU Department of Psychology Colloquium, April 21
- Hunter College-CUNY Colloquium, May 11
- Wake Forest University Department of Neuroscience Colloquium May 26
- MIT, LSA, Lectures on the neural basis of speech and phonology, July 6 & 8, 2005
- Science of Aphasia, Helsinki Finland, August 26, plenary lecture
- Johns Hopkins University, Grand Rounds Pediatric Neurology, September 14, 2005.
- New York University, Image & Imagination: Face recognition in neuroscience and art, 10/5
- Parmenides Foundation, Invited Lecture, October 23 2005, Starnberg.
- Humboldt Universität Berlin, Department of Linguistics Colloquium, 10/26/.05.
- Zentrum für Literaturforschung Humboldt Universität Berlin, Imaging in Neuroscience, 10/29
- Zentrum für Kunst und Medientechnologie, Karlsruhe, ‘mental engineering. von den vorstellungsbildern bis zur gehirnforschung’, 10/30

## 2006

- Michigan State University, Cognitive Science Distinguished Lecture, Feb 13
- Kanazawa Institute of Technology Symposium on Brain and Language, Tokyo, March 6
- Ecole Normale Superieure, Paris, *3 Lectures on Brain and Language*, May 2006
- Human Brain Mapping International Conference, Florence Italy, June 2006
- International Neuropsychological Symposium, Portugal, June 24
- EALING IV, Ecole Normale Superieure, Paris, September 22-26, 2006 (4 lectures)
- Max Planck Institute for Cognitive and Brain Sciences, Nov 15, 2006.
- McGill University, Centre for Research on Language, Mind and Brain, Dec. 2006

## 2007

- ARO, Invited Speaker, Symposium “Neurobiology of Vocal Communication”, Feb. 13
- Bilingualistic Investigations, Invited Speaker, Santo Domingo, February 23-25.
- University of Michigan, Colloquium in Linguistics and Psychology, March 16
- NIH-NIDDK Workshop on Neuroimaging, Invited speaker, April 30
- Schweizerischer Nationalfonds, Switzerland. *Lectures on speech and language*. August 19-26.

- University of South Carolina, Linguistics Department Colloquium, September 14.
- SUNY Stony Brook, Department of Linguistics, Seminar & Colloquium, October 1.
- Max Planck Institute for Psycholinguistic Research, Nijmegen. October 12.
- Kansas University, Mid-America Linguistics Conference, Keynote address, Oct. 26.
- University of Pennsylvania, Brain & Language Colloquium, November 28.
- University of Pennsylvania, Colloquium in Linguistics, November 29.

## 2008

- AAAS Annual Meeting, Boston MA, Feb 14-18. Session Organizer.
- Deutsche Gesellschaft für Sprachforschung, Bamberg, February 29-29.
- New York University, Department of Psychology C&P Colloquium, Feb 21.
- University of Arizona, Psychology Department Colloquium, April 25.
- Boston University, Hearing Research Center, May 1.
- Harvard Medical School, Martinos Center for Biomedical Imaging, May 2.
- Rio de Janeiro, ISBRA: 5 Lectures on Brain and Language, September 9-12.
- Durham University, UK. October 3, 2008.
- Duke University, Linguistics Program, October 6/7, 2008. Two lectures on cognition.
- NIH, Neuroimaging in Obesity, October 27.
- National Academy of Sciences: Science & Entertainment Exchange, LA, Nov. 19
- Johns Hopkins, Center for Language and Speech Processing, December 2

## 2009

- AAAS Annual Meeting, Chicago IL, February 15
- University of Missouri, Columbia, March 5
- United States Congress, Congressional Briefing: SBE Sciences in a Federal Context, July 16
- Yale University Mind-Brain-behavior-Culture Colloquium, September 15
- NYU, CNS Colloquium, October 5
- Paris, CEA, October 9
- Northwestern University, Department of Speech and Communication, October 25.
- NIH: NIDCD Colloquium, November 18
- Cornell University Medical Center, December 10

## 2010

- Auditory Cognitive Neuroscience, Tucson AZ, January 7
- UT San Antonio Biology Department, March 11
- CUNY Conference tutorial lecture, March 17
- BRAMS, McGill University, Montreal, April 16
- Columbia University Language & Mind Series, April 29
- Gordon Conference: Auditory Neuroscience, June 15
- Montreal Cognitive Science of Language Conference, June 24
- Science of Aphasia Conference, Potsdam, Germany, plenary speaker, August 28

- UC Davis, Center for Mind and Brain, October 7
- Max Planck Institute for Cognitive and Brain Sciences, October 29
- Max Planck Institute for Evolutionary Anthropology, Phonetic Universals, Keynote, Oct. 30
- Merrill Conference, Phoenix Arizona, December 8-10.

## 2011

- Army Research Office, Washington DC, January 5.
- Rutgers University Perception Science Talk, RUCCS, Feb 7.
- Carnegie Mellon University CNBC Colloquium, March 10
- Univ College London, FIL Colloquium, March 18.
- BrainForum, Plenary Speaker Milano Italy, April 4.
- San Sebastian Lectures, Public-April 14 (Spanish) and Keynote-15 (English).
- Princeton, Department of Psychology, May 6.
- Frankfurt, Ernst Strüngmann Forum, May 8-13.
- Cambridge UK. MRC Cognition and Brain Sciences, July 1.
- Cognitive Science Society, Governor's Symposium Plenary, July 20
- UCSD, Department of Psychology Colloquium, October 4
- Neurobiology of Language, Plenary Debate, Nov 10

## 2012

- Keynote: UCSD, NSF Temporal Dynamics of Learning Center, Keynote, Jan 27.
- University of Pennsylvania, Institute for Research in Cognitive Science, Colloquium, Feb. 10
- Rutgers Newark, Center for Behavioral and Molecular Neuroscience, Feb. 15
- Bard College, Brain imaging and cognitive neuroscience, Feb 23
- Johns Hopkins, Biomedical Engineering Colloquium, Apr. 12
- MIT, McGovern Institute MEG Symposium, Keynote, Apr. 27
- Cochlear Implant 2012, Baltimore, Keynote, May 5
- Leiden Conference on Core Domains, May 29
- Gordon Research Conference Neurobiology of Cognition, Lucca Italy, July 12
- Federation of European Neuroscience Societies (FENS), Barcelona, Jul. 17
- Biomag, Paris, August 29
- Auditory Cortex, Lausanne, September 1
- Society for Neuroscience, Towards a New Neurobiology of Language, Plenary Lecture, Oct 15.
- SUNY Biomedical Engineering Albany Colloquium, November 8
- CUNY Speech and Hearing Department Colloquium, Nov 14.

## 2013

- Max-Planck Institute für Bildungsforschung, Berlin, January 23.
- AAAS Plenary lecture, Feb 14-18, Boston.
- CUNY Linguistics Department, Psycholinguistics Supper Talk, March 12

- Duke University, April 18-20, Making Meaning: Origins of Communication.
- McGill University, BRAMS, May 2.
- National Science Foundation, Workshop organization and lecture. May 23/24.
- New York Institute for the Humanities: Vermeer's Daughter. May 18, 2013.
- BlueMind, Block Island, May 30, Talk and Panel Discussion.
- National Academies of Science: Science & Entertainment Exchange, Sept. 25, NYC.
- Johns Hopkins University, Cognitive Science colloquium, Oct. 25.
- NIH, Neuroscience colloquium, Oct. 28.

## 2014

- University of Geneva, Feb 6, Workshop on Oscillations and Predictions
- Mt Sinai Hospital, Grand Rounds Neurology, Mar 6
- University of Rochester, Brain and Cog Sci Colloquium, April 24
- Acoustical Society Annual Meeting, Providence RI, May 5
- Gordon Research Conference, Neurobiology of Cognition, Sunday River ME, Jul 23
- Cold Spring Harbor, Genetics and Neurobiology of Language, Jul 31
- University of Edinburgh. Workshop on New Directions in Language Research.
- AmLAP, Edinburgh, Keynote, Sep 5
- Auditory Cortex Keynote, Magdeburg, Germany, Sep 16
- ECOG Satellite Meeting, Washington DC, Keynote
- Maquarie University, Sydney, Australia, November
- MARCS, University of Western Sydney, November

## 2015

- Keynote: Linguistic Society of America annual meeting, January 9, Portland OR
- Symposium Talk: Association for Research in Otolaryngology (ARO), February 23, Baltimore MD
- Invited Lecture: Language Music Emotion Conference (LaMERG), SUNY Stony Brook, , March 6, Stony Brook NY
- Invited Lecture: Neural Basis of Speech Production Workshop, UCSF, March 27, San Francisco CA
- Mini-Symposium Lecture: Cognitive Neuroscience Society Annual Meeting, March 28, San Francisco CA
- Cognitive Science Colloquium, University of Maryland College Park, March 9, College Park, MD
- Neuroscience Speaker Series, Columbia University Teachers College, May 4, New York
- Distinguished Lecture: Harvard Program in Speech and Hearing Bioscience and Technology, Mass Eye and Ear Infirmary, May 18, Boston MA
- Invited Lecture: The Music/Language Connection, NYU, May 21, New York
- Invited Lecture: Memory Mechanisms, NYU, May 28-29, New York
- Max-Planck-Institut für Bildungsforschung Kolloquium, September 2, Berlin, Germany
- Keynote: Science of Aphasia annual meeting, September 17-22, Aveiro, Portugal.
- Invited Lecture: Klinisch-neurowissenschaftliches Seminar, Universitätsklinik Heidelberg, September 30, Heidelberg, Germany

- Invited Lecture: Max-Planck Institut for Biophysics, October 7, Frankfurt
- Invited Lecture: Rhein-Main Neuroimaging Retreat, October 8, Hohensolms
- Invited Lecture: Duke University Neuroscience October 20-21, Durham, NC
- Invited Lecture: Emory Center for Mind, Brain, and Culture (CMBC), October 22-23, Atlanta GA
- Invited Lecture: Maastricht, November 9
- Invited Lecture: Israeli Ambassador's residence, New York, Nov 30.
- Invited Lecture: Goethe Universität, Department of Linguistics, Dec 8
- Keynote: Global LangEdu Conference, University of Eichstätt, December 11

## 2016

- FENS Winterschool. January 3-9, Obergurgl, Austria
- Center for Mind in Society Annual Lecture, Queen Mary University, Jan 14, London.
- The Nijmegen Lectures. January 20-22, MPI and Donders Center, Nijmegen, The Netherlands
- Universität Marburg, Neurowissenschaftliches Kolloquium, Feb 22.
- Keynote: Deutsche Gesellschaft für Sprachforschung, February 26, Konstanz, Germany.
- Sonova-Phonak Kolloquium, March 29, Zürich
- Universität Zürich, Neuropsychologisches Kolloquium, Mar 2
- MacMaster University Linguistics Colloquium, March 23, Toronto.
- University of Connecticut Linguistics Colloquium, March 25, Storrs
- NYU Cognition and Perception Colloquium series, March 31, New York
- CNS Annual Meeting, Debate Chair and Introductions, April 4, New York
- Georgetown University Neuroscience Colloquium, Apr 8, Washington DC
- MIT, Festschrift for Prof. Kenneth Wexler, April 28, Cambridge MA
- NYU-Shanghai, Shanghai, China, May 4
- Zhejiang University, Hangzhou China, May 6
- BryCoCo China, Beijing University, May 9, Beijing
- McGovern Seminar, University of Beijing, May 10, Beijing China
- International Neuropsychological Society, June 24, Baiona Spain
- Keynote: Organization of Human Brain Mapping, June 24, Geneva
- Technology Open Air Berlin, July 13
- Beyond Language Learning Workshop September 29, Barcelona
- Keynote: BIOMAG, October 5, Seoul Korea
- Invited Symposium: Oscillations, BIOMAG, October 3, Seoul Korea
- Sage Scholar in Residence lectures. October 17-28, Santa Barbara.

## 2017

- MIT Center for Brains Minds Machines Symposium, February 2, Cambridge MA
- Department of Psychology, Bristol Univ. UK, March 1
- rmn2 network lecture, March 13, Frankfurt
- Rotary Club Frankfurt, March 15, Frankfurt
- College de France Lecture, March 20, Paris
- CNS Annual Meeting, Symposium (chair and speaker), March 25, San Francisco CA

- Keynote: Biological and environmental factors that impact multilingual/literacy acquisition, UCSF March 29, San Francisco CA
- Michigan State University Distinguished Lecturer, April 3, East Lansing MI
- Northeastern University, April 6, Boston MA
- Boston University, April 7, Boston MA
- Frankfurt Institute for Advanced Studies (FIAS), May 9, Frankfurt, Germany
- Universität Wien, June 9, Wien, Austria
- University of Maryland, September 23, College Park MD, USA
- CiMEC, Rovereto. October 20, Rovereto, Italy
- Max-Planck-Institute Florida, November 17, Jupiter FL, USA
- New York University Neuroscience, November 27, New York, USA
- Columbia University, Department of Psychology, December 7, New York USA

## 2018

- Johns Hopkins University, Keynote Speaker, Science of Learning, Jan 22.
- Oxford University, Linguistics Department, February 5.
- AAAS Plenary Lecture, Austin Texas, Feb 16
- German Society for Neurology and Physiology (DGKN), Keynote Speaker, Mar 15
- Universität Marburg, Symposium on Neurophonetics, April 20
- Dartmouth College, Colloquium Speaker, Dept. Psych & Brain Sciences, May 8
- World Science Festival, plenary, New York, June 2
- Gordon Conference on Brain and Cognition, Maine, July 25
- Swiss Neurology Society (Webinar), September 5
- Trinity College, Dublin, October 4
- Marseilles Department of Neuroscience, October 11
- The University of Tokyo Institutes for Advanced Study, Tokyo, December 17

## 2019

- Language & Music in Cognition, Univ Köln. February 4
- Max Planck Institute Florida Colloquium Speaker, Feb 12
- Science Meets Music, West Palm Beach FL, Feb 13
- Cognitive Neuroscience Society Annual Meeting, Plenary, Mar 23
- International Winter Neuroscience Conference, Sölden, April 2
- Language in Interaction Keynote, Nijmegen, April 9
- Städel Museum, Frankfurt. Kunst im Kopf. April 14
- TEAP London Invited Speaker, London, April 16
- NYU Abu Dhabi Neurolinguistics Conference Keynote, April 23
- The Brain Produces Mind Sackler-NAS Symposium, Irvine CA, May 2
- University of Amsterdam ABC Lecture, May 14
- University of Edinburgh Invited Lecture, Online, May 20
- Killam Lecture, McGill University, June 4
- SAMBA Invited lecture, Salzburg, July 11
- Brain Rhythms and Cortical Computation Minerva Symp., Tel Aviv, September 18
- Leopoldina Halle, Invited Lecture, September 21 (Zeit im Kopf)
- Science of Aphasia, Keynote, Rome, September 23
- Paul Baltes Memorial Lecture, Berlin, October 29



## **2020 (*italics: rescheduled for 2021*)**

- Max Planck School of Cognition, Berlin, January 8
- Alpine Brain Imaging Meeting, Champéry, January 12
- Bristol University UK, January 24
- *NIH Neuroscience Colloquium, Bethesda, March 16*
- *University of Michigan Invited Lecture, March 27*
- *MIT Linguistics Lectures, April 15, 16, 17*
- *University of Memphis, April 22*
- *University of Maryland College Park Mayfest, May 1*
- 20 Years of the Dual Stream Model, Hickok and Poeppel, Zoom+Youtube, May 12
- *University of Connecticut Invited Speaker, May 13*
- *University of Birmingham UK, May 21-22*
- Abrialin Lecture, Speech Rhythms and Brain Rhythms, Zoom+Youtube, May 26
- Dare to Know Podcast: The Chomsky Series, June 10
- *MPG Neuroscience Symposium, Berlin, June 15*
- *RIKEN Tokyo, Invited Lecture, June 25*
- *CSHL Lectures, Cold Spring Harbor, July 26-August 2 (DP Lec Aug 1)*
- The Linguistics Wars, Poeppel versus Moro, Zoom+Youtube, Sept 10

## **Conference Proceedings**

300+ between 1993-2019, list available upon request.

## **Contracts and Grants**

### **Completed Funding**

NSF, Program in Learning and Intelligent Systems, “From sound to meaning: an integrative, interdisciplinary approach to the processing of spoken language”  
Steven Greenberg, David Poeppel, Christoph Schreiner, Lokendra Shastri, Co-PIs  
10/97-9/00, \$247,000

Center for Comparative Neuroscience, University of Maryland College Park,  
“Electrophysiologic correlates of verb classes” D. Poeppel and J. Uriagereka, co-PIs  
1/99-12/99, \$10,000

General Research Board Research Award, University of Maryland College Park,  
“Non-native speech sound processing: behavioral and electrophysiologic evidence”,  
David Poeppel PI, 7/99-9/99, \$7,450

Center for Comparative Neuroscience, University of Maryland College Park,  
“Electrophysiologic correlates of verb classes” Weinberg, Crain, D. Poeppel, co-PIs  
1/00-12/00, \$10,000

James S. McDonnell Foundation, Program in Cognitive Neuroscience, “MEG studies of temporal and spatial coding in speech perception”, David Poeppel PI, 9/98-8/01, \$105,000

NIDCD, R03 “A timing basis for auditory processing asymmetry” David Poeppel PI, 8/00-8/03, \$222,000

Center for Comparative Neuroscience, University of Maryland College Park, “Architectural complexity of lexical meaning”, D. Poeppel PI, 01/02-06/02, \$6,000

NIH R21 AG025505 “Age, Physical Activity, Genotype and Cognitive Function”, Bradley Hatfield and David Poeppel, co-PIs, 09/06 - 08/07, \$181,983

NIH 2R01DC005660 – 06: NIH Director’s Bridge Award, “Cortical mechanisms in speech perception: MEG studies”, David Poeppel PI, 8/1/07-7/30/08, \$ 675,000

Sensimetrics Corporation, “Decoding Speech Using Neural Rhythmicity and Synchrony”, David Poeppel, co-PI (O. Ghitza, Boston University, PI), 10/10-04/11, \$56,000

NSF BCS 112 4124, “WORKSHOP: Cognitive, computational, and neural processing – Constraints on theories of language production” Adam Buchwald, Alec Marantz, David Poeppel co-PIs, 9/15/11-2/28/13, \$23,189

Grammy Foundation, “A neural pathway for music perception and production”, David Poeppel, PI, Jean Zarate, 03/01/11-06/01/13, \$20,000.

NIH - NIDCD, 2R01 DC 5660, “Cortical mechanisms in speech perception: MEG studies”, David Poeppel, PI, 8/08-07/13, \$2,483,781

NSF BCS-1249922, “WORKSHOP: Linking Language and Cognition to Neuroscience via Computation”, David Poeppel, PI, 9/1/12-8/31/13, \$49,495

MURI: Army Research Office #43301, “Silent spatialized communication among dispersed forces”, David Poeppel, co-PI (D’Zmura, UCI, PI), 5/08-6/13 \$643,000 (direct costs \$100,173/year)

New York University – Abu Dhabi, “The neuroscience of language lab at NYU-AD”, David Poeppel, co-PI, 06/10-05/15, \$9,143,423

Charles H. Revson Foundation. A new framework for cortical asymmetries in processing speech. David Poeppel, PI; Adeen Flinker, co-PI. 9/1/15-8/31/17. (\$90,908.00)

NSF BCS- INSPIRE. Crowd-sourcing neuroscience: Neural oscillations and human social dynamics. David Poeppel, PI. 10/13-9/16. (\$1,000,000).

United States - Israel Binational Science Foundation, Grant 2013232 , Attention and distraction at a cocktail party, Dr. Zion Golumbic (Bar-Ilan U) co-PI, David Poeppel co-PI, 10/2014-09/2016, annual direct \$75,000.

NSF BCS- INSPIRE – awarded extension. Crowd-sourcing neuroscience: Neural oscillations and human social dynamics. David Poeppel, PI. 10/16-8/18. (\$254,000).

NIH - NIDCD, 5R01 DC 5660, “Cortical mechanisms in speech perception: MEG studies”, David Poeppel, PI, 04/14-03/19, annual direct \$550,979.

United States - Israel Binational Science Foundation, Grant 2015385 , Depth of language processing of unattended speech, 10/2016-10/2020.

### **Current Funding**

NSF, Brain-to-brain synchrony in STEM learning. David Poeppel, PI. 4/1/17-3/31/20 (Total direct costs \$1,485,824).

GRAMMY Foundation (Total direct costs \$20,000)

NIH R01 MH074692-13 [Subaward 1(GG015615)]. Medial temporal lobe contributions to episodic memory (PI: Lila Davachi, Columbia University). 4/14/19-3/31/22 (Total direct costs \$72,885)

### **Fellowships, Prizes, and Awards**

McDonnell-Pew Cognitive Neuroscience Predoctoral Award, 1990-1995

Angus McDonald Teaching Award, 1994

BioMag Fellowship Award, 1996

DaimlerChrysler Berlin Prize, American Academy, 2004

Institute for Advanced Studies, Berlin (Wissenschaftskolleg), Fellow, 2003-2004

Cognitive Science Distinguished Lectureship, Michigan State Univ., 2006

Guest Professorship, Ecole Normale Supérieure, Paris, May, 2006

Fellow, American Association for the Advancement of Science, 2007

NYU Postdoc Advisor Award, 2018

### **Reviewing Activities for Journals and Other Learned Publications**

Brain and Language (*Editorial Board Member through 2011*)

Cerebral Cortex

Cognition

Current Biology

Journal of Cognitive Neuroscience

Journal of Neurophysiology

Journal of Neurolinguistics (*Editorial Board Member*)

Journal of Neuroscience  
Language Acquisition  
Language and Cognitive Processes (*Associate Editor, 2009-*)  
Language, Cognition, and Neuroscience (*Editorial Board Member*)  
Language Learning and Development (*Editorial Board Member*)  
Mind & Language  
Nature  
Nature Neuroscience  
Nature Reviews Neuroscience  
Neuroimage  
Neuron  
Neurobiology of Language (*Editorial Board Member, 2019-*)  
Neuropsychologia (*Editorial Board Member through 2011*)  
Neuroscience  
PLoS Biology (*Editorial Board Member*)  
PNAS  
Psychological Review  
Science  
Trends in Cognitive Sciences  
Trends in Neurosciences.

## Teaching and Advising

### Courses

#### General

- BSCI 338A: Cognitive Neuroscience: Human Brain and Behavior, Spring 2000, 2002, 2005; Fall 2007. UMD.
- Linguistic Society of America, Summer 2005, MIT & Harvard University
- Schweizer Studienstiftung, Summer 2007, Engelberg, Schweiz. Lectures on Brain and Language.
- Federal University Rio de Janeiro, September 2008; 5 Lectures on cognitive neuroscience.

#### Specialized

NACS 642: Computational neuroscience, Spring 1998 (enrollment ~15), UMCP/UMAB (interactive video networked class, two sections split over campuses)

LING 889: Introduction to neuroscience for linguists, Spring 1998 (enrollment ~4), UMCP.

LING 889: Neuroscience of language, Fall 1998 (enrollment ~8), UMCP

NACS 728N: Cognitive Neuroscience, Spring 1999 (enrollment), UMCP

NACS 642: Cognitive Neuroscience, Spring 2000, 2001, 2002, 2003, 2005, 2007, 2008 (enrollment 15-25), UMCP.

LING 646: Cognitive Neuroscience of Language, Fall 1999 & Fall 2000, spring 2005 (enrollment 10-15), Spring 2007, UMCP.  
LING 889A: Electrophysiology of Language, Fall 2001 (enrollment ~10), UMCP.  
LING 889A: Cortical basis of speech perception, Fall 2002, Fall 2008UMCP.  
LING 869: Topics in auditory cognition. Fall 2005, Fall 2007.

CSHL Course Genetics and Neurobiology of Language (with Profs. Simon Fisher and Kate Watkins). 2014, 2016, 2018, 2020

### *NYU Teaching*

- Graduate seminar: Auditory Perception and Cognition, Fall 2009, Spring 2013
- Undergraduate laboratory course: Cognitive Neuroscience, Spring 2010, 2012. Fall 2012. Spring 2014.
- Undergraduate seminar: Auditory perception and cognition, Fall 2011
- Graduate seminar: Classic readings in cognitive neuroscience, Fall 2016

### **Teaching Awards and Other Special Recognition**

Angus N. MacDonald Award for Excellence in Teaching, MIT, 1994  
New York University Postdoctoral Mentoring Award, 2017

### **Advising:**

#### Pre-Doctoral Advisees (alphabetically)

Nuria Abdulsabur, Linguistics/Neuroscience and Cognitive Science, PhD, 2007-2009.  
Now advised by Dr Allen Braun, NIH.

Ellie Abrams, NYU Psychology PhD, 2020-

Federico Adolfi. MPIEA. PhD 2018-

Diogo Almeida, Linguistics PhD, 2003-2009, completed. Dissertation: *Form, Meaning, and Context in Lexical Access: MEG and Behavioral Evidence*. Asst. Professor, Michigan State University. Now Asst. Prof NYU Abu Dhabi.

Anthony Boemio, Biology/Neuroscience and Cognitive Sciences, PhD, 1999-2003, completed. Dissertation: *The Perceptual Representation of Acoustic Temporal Structure*. Office of the Director of National Intelligence.

Jeremy Bronheim, Biology/Neuroscience and Cognitive Sciences, 2001-2004.

Maria Chait, Linguistics/Neuroscience and Cognitive Sciences PhD, 2001-2006, completed. Dissertation: *Auditory Edge Detection: The Dynamics of the Construction of Auditory Perceptual Representations*. Professor, Univ College London Ear Institute.

Phoebe Chen, NYU Psychology PhD, 2020-

Greg Cogan, Linguistics/Neuroscience and Cognitive Sciences PhD, 2006-2010, completed. Dissertation: *Temporal Dynamics of MEG Phase Information during Speech Perception: Segmentation and Neural Communication using Mutual Information and Phase Locking*. Assistant Professor, Duke University.

Keith Doelling, Psychology and Neural Science Ph.D., 2013-2018. Dissertation: *Synchronizing Rhythms: Neural oscillations align to rhythmic patterns in sound*. Post-doc, Institute d'Audition, Paris.

Robert Fiorentino, Linguistics PhD, 2001-2006, completed. Dissertation: *Lexical Structure and Lexical Access*. Professor, Univ. Kansas.

Miki Fukui, NYU Psychology, PhD, 2010-2013. Co-advised with Mike Landy, NYU.

Ana Gouvea, Linguistics, PhD, 1999-2003, completed. Dissertation: *Processing Syntactic Complexity: Cross-Linguistic Differences and ERP Evidence*. Asst. Professor, Florida International University

Matthias Grabenhorst, MPIEA, PhD, 2014-2020.

Laura Gwilliams, NYU Psychology, 2015-2020. Postdoc, UCSF.

Natalie Holz, MPIEA, PhD, 2017-

Julian Jenkins, Biology, PhD, 2005-2011, completed. Co-advised with Dr Bill Idsardi and Jonathan Simon, UMD. Dissertation: *Physiological measurement of auditory perceptual and physical space: towards a cognitive neuroscience of ecological signals*. Now Google.

Kala Lakshminarayanan, Biology/Neuroscience and Cognitive Sciences, 2000-2002.

Gwyneth Lewis, Psychology PhD, 2011-2017. Dissertation: *Neural Mechanisms of Conceptual Relations*. Post-doc, University of Memphis.

Huan Luo, Biology/Neuroscience and Cognitive Sciences PhD, 2001-2006, completed. Dissertation: *Tracking Sound Dynamics in Human Auditory Cortex: New Macroscopic Perspectives from MEG*. Associate Professor, Department of Psychology, Beijing University.

Francesco Mantegna, NYU Psychology PhD, 2019-

Philip Monahan, Linguistics PhD, 2004-2009, completed. Co-Advised with Dr Bill Idsardi, UMD. Dissertation: *On the way to linguistic representation: neuromagnetic evidence of early auditory abstraction in the perception of speech and pitch*. Associate Professor, University of Toronto.

Kaori Ozawa, Linguistics PhD, 2001-2006.

Omri Raccach, Psychology PhD, 2018-

Ariane Rhone, Linguistics PhD, 2006-2011, completed. Co-advised with Dr Bill Idsardi, UMD. Dissertation: *Multi-Level Audio-Visual Interactions in Speech and Language Perception*. Now Research Scientist, University of Iowa, Psychology and Neurosurgery.

Xiangbin Teng, Psychology PhD, 2011-2016. Dissertation: *On Multi-Scale Processing in The Auditory System*. Post-doc, Max-Planck-Institute, Frankfurt.

Virginie van Wassenhove, Biology/Neuroscience and Cognitive Sciences PhD, 1999-2004, completed. Dissertation: *Cortical Dynamics of Auditory Visual Speech: A Forward Model of Multi-Sensory Integration*. Director, MEG Center, NeuroSpin, France.

Liudmila Zaytseva, MPI Neuroscience PhD, 2015-

Yue Zhang, NYU Psychology MA., 2007-2013.

#### Post-Doctoral Advisees (chronologically)

Silvia Gennari, Ph.D. 1998, Brown University (2000-2002), Lecturer, Psychology, University of York, UK

Michael Gordon, Ph.D. 1998, University of Rochester (2000-2001), Clinician

Martin Hackl, Ph.D. 2000, MIT (2000-2002), Assoc. Professor, Linguistics, MIT

Lisa Sanders, Ph.D. 2001, University of Oregon (2002-2003), Assoc. Professor, Psychology, UMass Amherst

Anita Bowles, Ph.D. 2002, University of Colorado (2003-2006), Research Scientist, Center for the Advanced Study of Language, University of Maryland

Yadong Wang, Ph.D. 2003, University of Rhode Island (2003-2006), Senior DSP Research Scientist, DitechComm.com, Mountainview, CA

Minna Lehtonen, PhD 2006, University of Turku, Finland (2007-2008). Fellow, Collegium Helsinki.

Mary Howard, Ph.D. 2005, University of Maryland (2006-2009).

Tobias Overath, Ph.D. 2008, Univ College London. (2008-2011). Asst. Prof. Duke University (2014-)

Xing Tian, Ph.D. 2008, University of Maryland (2008-). Asst. Prof. NYU-Shanghai

Jean Zarate, PhD 2009, McGill. (2009-2013). Editor, Nature Neuroscience.  
†Thomas Schofield, PhD 2010, Univ College London. (2010).  
Elana Zion-Golumbic, PhD 2008, Hebrew University Jerusalem, (2010-2013). Co-supervised with Charlie Schroeder. Assistant Prof. Bar Ilan University.  
Luc Arnal, PhD 2010 Ecole Normale Superieure Paris. (2011-2014). Asst. Professor, University of Geneva  
Nai Ding, Ph.D. 2012 University of Maryland (2012-). Assistant Prof. Beijing University  
Adeen Flinker, PhD 2011 University of California Berkeley (2012-2017). Assistant Prof. NYU Medical Center  
Jean-Remi King, PhD 2014 Paris (2015-2018). CNRS and Facebook AI Research Paris.  
Amy Belfi, PhD 2015 Iowa (2015-2018). Assistant Prof. Missouri Technical University.  
Pablo Ripolles, PhD 2016 Barcelona (2016-2020). Assistant Prof. NYU  
Florencia Assaneo, PhD 2014 Buenos Aires (2014-2020). Assistant Prof. UNAM  
Ido Davidesco, PhD 20xx Israel (2014-2017). Assistant Prof. Univ Connecticut  
Suzanne Dikker, PhD 2012 NYU (2014-)  
Arianna Zuanazzi, PhD 2019 Univ Birmingham UK (2019-)  
Joan Orpella, PhD 2019 Barcelona (2019-)  
Andrew Chang, PhD 2019 McMaster (2020-)

Pauline Larrouy-Maestri, post-doc, MPIEA (2014-2020)  
Alessandro Tavano, post-doc, MPIEA (2014-2020)  
Johanna Rimmele, post-doc, MPIEA (2015-2020)  
Tina Roeske. MPIEA (2015-2019)  
Georgios Michalareas, MPIEA (2015-)  
Yue Sun, MPIEA (2015-)  
Xiangbin Teng, MPIEA (2017-)

#### Doctoral Committees: UMD, NYU, and Other Institutions

Sarah Leshner, UMD Biology PhD 1998  
Uri Cohen, MS 2001, NIH/Univ Maryland College Park  
Sean Deeny, PhD 2005, NACS, UMCP  
Nina Kazanina, Linguistics PhD 2005, UMCP.  
Mary Howard, Computer Science PhD 2005, NACS, UMCP  
Kaleb McDowell, Kinesiology PhD 2003, NACS, UMCP  
Kelvin Oie, PhD, NACS & Dept. Kinesiology, UMCP  
Claudia Bonin, PhD, NACS, UMCP  
Serin Atiani, PhD, NACS, UMCP  
Jo Zimmerman, PhD, Dept. Kinesiology, UMCP  
Jin Liang, PhD, Dept Biology, UMCP  
Nayef Elian Ahmar, MS, Dept Electrical & Computer Engineering, UMCP  
Kaiwen He, PhD, Dept Biology, UMCP  
Anubhuti Goel, PhD, Dept. Biology, UMCP



Kim Drnec, PhD, Dept. Animal & Avian Sciences, UMCP  
Ron Goodman, PhD 2008, Dept. Kinesiology, UMCP  
Mark Saffer, PhD, Dept. Kinesiology, UMCP  
Hyuk Oh, PhD, Dept. Kinesiology, UMCP  
Juanjuan Xiang, PhD 2008, Electrical & Computer Engineering, UMCP  
Xing Tian, PhD 2008, Psychology, UMCP  
Nima Mesgarani, PhD 2008, Electrical and Computer Engineering, UMCP

Akiko Ikkai, PhD 2010, Psychology, NYU.  
Krithiga Sekar, PhD 2011, NYU Medical School  
Mordechai Juni, PhD 2012, NYU Psychology  
Doug Bemis, PhD 2012, NYU Psychology  
Alex White, PhD 2013, NYU Psychology.  
William Finley, PhD 2013, NYU Medical School  
Shannon Tubridy, PhD 2014, NYU Psychology  
Joseph Fruchter, PhD 2014, NYU Psychology  
Andy Haeusser, PhD 2015, NYU Psychology  
Christian Brodbeck, PhD 2016, NYU Psychology and Linguistics  
Teon Brooks, PhD 2017, NYU Psychology and Linguistics  
Aenne Brielmann. PhD 2019, NYU Psychology

Diana Orbelo, PhD 2001, Communication Disorders, Oklahoma U. Health Sc. Center  
Jennifer Feeney Elswick, PhD 2003, Univ Maryland Baltimore  
Tiina Parviainen, PhD 2007, University of Jyväskylä, Finland  
Stuart Washington, PhD 2008, Georgetown University  
Kala Lakshminarayanan, PhD 2007, Neuroscience, Rutgers University Newark.  
Nicolas Bourguignon, PhD 2013, University of Montreal, Linguistics  
Anne Kösem, PhD 2014, Ecole Normale Superieure, Paris  
Huizhen Tang, PhD 2015, Macquarie University, Sydney Australia

### Undergraduate

Angela Downes, Dept. Biology (honors), 2001-2003  
Dana Ritter, Dept. Biology, 2002-2003  
Seema Ahmed, Dept. Biology, 2002-2003  
Chris Hidey, Dept. Linguistics, 2004-2005  
Thomas McGhann, Dept. Linguistics, 2006.  
Paul Hines, Dept. Linguistics, 2006-2008.  
Kevin Woods, NYU CNS, 2010-2012  
Caroline Ritson, NYU Gallatin, 2010-2011.  
Alyse Wexler, NYU Psychology, 2013-2014.  
Jeremy Goodman, Montgomery Blair Science/Math Magnet, high school lab intern  
  
Rob Mettrowski, (MA Thesis), MPIEA, Spring 2016  
Craig Thorburn, (MIT MISTI Program), Summer 2016

## **Non-University committees, commissions, panels, and other activities.**

NIH-NIDCD Special Emphasis study section, 1999-2000  
NIH-NICHHD Special Emphasis Panel, 2000  
NIH-NIDCD Special Emphasis Panel, 2004/2005  
NIH LCOM Study Section Ad Hoc member, 2005  
The Wellcome Trust, ad hoc reviewer  
The Dana Foundation, ad hoc reviewer  
The Wellcome Trust, Peer Review College, 2012-2015  
NIH-NIDCD, Reviewer, Intramural Research Program, 2013.

Editorial Board, *Language Learning and Development*  
Editorial Board, *Brain and Language*, 2004-2010  
Editorial Board, *Neuropsychologia*, 2004-2011  
Editorial Board, *Journal of Neurolinguistics*  
Editorial Board and Associate Editor, *Language and Cognitive Processing*  
Editorial Board, *Frontiers in Auditory Cognitive Neuroscience*  
Editorial Board, *Frontiers in Language Sciences*  
Editorial Board, *PLoS Biology* 2016-.  
Editorial Board, *OpenMind* 2016-.  
Editorial Board, *Neurobiology of Language* 2019-

Member, European Science Foundation “Multilingual multidisciplinary studies on brain and language (MMSBL)”  
Program Committee, Science of Aphasia, 2003, 2004, 2005, 2007, 2010-12  
Member, Advisory Committee, Social, Behavioral, and Economic Sciences, NSF, 2006-2012  
External Advisory Board, IGERT Language and Communication, Univ Pennsylvania. 2007-2010  
Chair, AAAS Session on Speech and Brain, Boston MA, February 2008.  
Committee of Visitors, NSF, Human Social Dynamics Program, May 2008.  
Scientific Advisory Board, The Franklin Institute, Philadelphia PA. 2008.  
Judge, Sundance Film Festival, Park City Utah 2011.  
External Advisory Board, The National Science Foundation and Gallaudet University's Science of Learning Center, Visual Language and Visual Learning, VL2, Gallaudet, Washington DC, 2012-2015.  
Steering committee, Science of Learning NSF workshop 2012  
Chair: NSF-sponsored workshop: Neurobiology and Language: The Linking Hypotheses. 2012-2013.  
LOT Summer School, Utrecht, Holland, August 2001, Neuroscience for linguists, one week course  
Federal University Rio de Janeiro, Brasil, 2001, “Neurociencia e linguagem”, Cortical basis of speech and language, one week course  
Schweizerische Studienstiftung, Sommerakademie, Engelberg, August 2007

co-Chair (with Dietmar Zaefferer), Deutsche Gesellschaft für Sprachforschung, Bamberg, Feb 2009: "Foundations of Language Comparison: Human Universals as Constraints on Language Diversity"

Chair and organizer, Workshop series *Brain Rhythms and Cortical Computation* (BryCoCo). May 2010, May & November 2011, May 2012.

Chair, Biomag 2012 Paris, Auditory processing and new MEG analysis approaches Auditory Cortex 2012, Lausanne. Program committee and session chair.

Blog (with Greg Hickok, UC Irvine). *TalkingBrains.blogspot.com*

Member, International Advisory Board, Berlin School of Mind and Brain Scientific Advisory Board of the Centre for Research on Brain, Language and Music. McGill University, Montreal, Canada

Scientific Advisory Board, Language in Interaction Consortium, Radboud University & Donders Centre for Cognitive Neuroimaging (DCCN), Nijmegen, The Netherlands.

Member, Board of Electors, Cambridge University UK, Professorship and Chair of Experimental Psychology, 2015-2016

Scientific Advisory Board, Hansa Wissenschaftskolleg, Delmenhorst Germany, 2016-2018

Scientific Advisory Board. NeLLab NYU Abu Dhabi, 2018-

Member, US National Academy of Sciences, Board on Behavioral, Cognitive, and Sensory Sciences (BBCSS), 2021-2023.

## **Departmental committees, commissions, panels, etc.**

### **UMD**

NACS search committee, spring 1998

NACS admissions committee, spring 1998, 2003, 2006-2007, 2007-2008

NACS Graduate Admissions Director, 2007

NACS Executive committee, 1998-2001, 2001-2002, 2004-2006, 2007-2009

NACS Colloquium Committee 1998-1999

Dept Biology Grad Students Admissions and Review, 1999-2000,

Dept Biology Molecular Neurobiology (MN) Search Committee, 2000

Dept Biology Grad Students Admissions and Review, 2000-2001

Dept Biology Grad Students Admissions and Review, 2001-2002

Dept Human Development search committee, 1999-2000, 2000-2001

Dept Linguistics, Phonology search committee, spring 2005

Dept Biology, APT committee, 2006-2007

Dept Linguistics, APT committee, 2007-2008

Dept Psychology, Cognitive Neuroscience Search Committee, 2007-2008

### **NYU**

Personnel Committee, 2009-2011

Graduate Admissions Committee, 2009-2010

Faculty Advisory Committee, 2011-2013

CBI Committee, 2011-2013.  
Personnel Committee, 2014-2016  
Chair, Cognitive Neuroscience Search Committee, 2019-2020

**University committees, commissions, panels, etc.**

**UMD**

Chair, Graduate School Distinguished Lecturer Series Committee, 2001-  
Member, UMD task force on NIH funding, 2005  
Academic Programs Working Group of the 150th Anniversary Celebration Planning  
Committee  
University Middle States Re-Accreditation Committee, 2005-2006  
Search Committee, Vice President for Research, 2006.  
Arts & Humanities Academic Planning Committee (APAC), 2006-

**NYU**

NYU-Abu Dhabi Search Committee, 2010-2012. 2013-2014.  
Neuroscience Advisory Committee, 2009-2010.  
Dean's Advisory Committee on Policy and Planning, 2011-2014 (chair 2013-14).  
Gender Equity Committee, 2011-2014.

**MPG**

Berufungskommission, MPI Leipzig, 2016-2017  
MPG Research Groups, 2016, 2017, 2020  
Berufungskommission, MPI Nijmegen, 2017-2019  
Nomination Committee: Max Planck-Humboldt Research Award 2019  
Berufungskommission, MPI Leipzig EVA, 2020