

Aslı Özyürek, Ph.D., MAE

Radboud University Nijmegen

Multimodal Language and Cognition Lab

CONTACT INFORMATION

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MISSION STATEMENT

In my research I aim to understand our ability to use human language and its role in communication and cognition. To do so I look beyond the spoken or written language, and investigate ways language is expressed through multiple modalities, such as visual (e.g., gestures used by hearing communities and sign languages created by Deaf communities) as well as auditory (speech) modalities and interactions between them.

I use a *multimodal approach* as a window to understand what this reveals about our language ability, how it is used flexibly and adaptively in embodied, social and situated contexts and interacts with other domains of (neuro) cognition (spatial cognition, action, memory, intention); that is, its neural, cognitive and social foundations.

More specifically, my aim is to understand how a multimodal approach to language enhances our understanding of

Language Universals and Diversity: What is the design space for linguistic variation versus universality, considering variations in sign and spoken languages (both in speech and gesture) as well as in (bimodal) bilingual contexts

Language and (Neuro)Cognitive Processing: How does cognitive and neural substrates of language and its processing mechanisms shape multimodal language and vice-versa, considering individuals in typical and diverse conditions (e.g., hearing impairment, blindness, autism)

Language in Interaction: How is language used to manage social and interactive coordination such as in dialogue or in groups, and how this in turn shapes language.

Language Evolution and Emergence: How did language evolve and can adapt, and emerge a-new when language is not accessible from birth or later in life (e.g., in older or newly formed deaf communities, in individuals with hearing impairment or aphasia)

Learning Mechanisms of Language: How can language be learned by hearing or deaf children (exposed to language early versus late in life) and adults (as L2) and their consequences for cognitive and social development.

I use a variety of methods such as linguistic description, cross-linguistic comparisons, corpus analysis, developmental, psycholinguistic methods such as reaction times, eye tracking, as well as neurolinguistic methods (EEG, MEG, fMRI).

I am also dedicated to bridging the gap between science, technology (e.g., AI, motion tracking), society and education and making scientific practices and new communication technologies (e.g. online platforms) inclusive and available for people with diverse backgrounds and languages, as well as for immigrants, women, and deaf and blind individuals across the globe and in developing countries.

EDUCATION AND EMPLOYMENT

- 2020-present: Full Professor, Faculty of Social Sciences, Donders Center for Cognition, Radboud University Nijmegen
 PI Dutch Science Foundation (NWO) VICI Grant (2015-2021)
 PI at Donders Institute for Brain, Cognition, and Behavior
 Research Associate and Group Leader, MPI for Psycholinguistics
 Affiliated PI at Center for Language Studies (CLS)
 Director, Multimodal Language and Cognition Lab
 (<http://www.ru.nl/mlc/>)
- 2010 - 2020: Full Professor, Department of Linguistics, Center for Language Studies (CLS), Radboud University Nijmegen
 from April 1, 2016 also at Faculty of Social Sciences, Donders Center for Cognition (.2 fte)
- 2007 - 2010: Associate Professor (UHD), Department of Linguistics, Center for Language Studies (CLS), Radboud University Nijmegen
- 2003 - 2007: Post-doctoral Researcher, Donders Center for Cognitive Neuroimaging, Radboud University Nijmegen
- 2000 - 2003: Assistant Professor, Department of Psychology, Koç University, Istanbul, Turkey
- 2000: Joint Ph.D. in Psychology (Developmental) and Linguistics, The University of Chicago (with Honors), USA (Thesis Advisors: Prof. David McNeill; Prof. Tom Trabasso; Prof. Bill Hanks; Prof. Susan Goldin-Meadow)
Thesis title: The role of social context on spatial language and gesture: A comparison between adults and children

- 1997 - 2000: Visiting Research Fellow at the Max Planck Institute for Psycholinguistics, Nijmegen
- 1994: M.A. in Psychology (Developmental): The University of Chicago, USA
- 1991: B.A. in Psychology, Boğaziçi University, Istanbul, Turkey (with Honors)
- 1985: Robert College, American High School, Istanbul, Turkey

RESEARCH FUNDING

(TOTAL ~ €6,3 Million)

§ EU Commission Twinning Grant (Co-PI with Lead Prof. Virve Vihman , Tartu University Estonia; MPI Nijmegen and Birmingham University, UK)
 MEDAL Grant: Methodological Excellence in Data-Driven Linguistics
 Time Period: 2022-2025 (Radboud share : €250, 000)

§ Radboud University Interfaculty Seed Funding (CoPI- with PI Prof. James McQueen and Dr. Vitoria Piai)
 Adaptive Language Consortuim for Healthy Brain and Society
 Time Period: 2020-2023 (€150, 000)

§ IMPRS PhD Student, Max Planck Institute for Psycholinguistics
 Title : Interactive language use and processing in virtual communications (together with Dr. Mark Dingemanse and Prof. Antje Meyer)
 Time Period: 2022-2026 (€ 250,000)

§ NWO VICI Grant
 Title: Giving Cognition a Hand: Linking spatial cognition to linguistic expression in native and late learners of sign language and bimodal bilinguals
 Time period: 2015-2021 (€ 1.5 million)

§ NWO Gravitation Excellence Grant
 Title: Language in Interaction (co-PI together with 20 others)
 Time Period: 2013-2023 (€ 27.6 million)
 3 PhD Positions obtained (€ 750,000)

§ Turkish Science Foundation, (TUBITAK) PhD visiting grant (Host)
 Demet Ozer (2019 November- 2020-May) doctoral student at Koc University,
 Individual variability in spatial language processing from speech and gesture

§ Marie Curie Intra-European Fellowship FP7-PEOPLE-2011-IEF (Main Host)
 Training fellow: Dr. Kazuki Sekine
 Title: Neural correlates of multimodal integration in children
 Time Period: 2015-2017(€180,000)

§ Funding for PhD project Ezgi Mamus from Radboud University internal competition (CLS)
 Title: Effect of loss of sensory modality in blind and sighted individuals' speech and gesture(together with Prof. Asifa Majid)

Time Period: 2017-2022 (€250,000)

§ Marie Curie Intra-European Fellowship FP7-PEOPLE-2011-IEF (Host)

Training fellow: Dr. Emanuela Campisi

Title: Multimodal demonstrations for adults and children in two cultures: Italian and Dutch

Time Period: 2013-2015 (€180,000)

§ Funding for PhD project Zeynep Azar from Radboud University internal competition (CLS)

Title: Multimodal language use in languages in contact (Dutch and Turkish)

Time Period: 2014-2019 (€250,00)

§ Funding for PhD project Louise Schuboz, Max Net Aging Funding Scheme and MPI for Psycholinguistics

Title : Multimodal language production and comprehension in context in aging (together with Dr. Judith Holler)

Time Period: 2014-2019 (€250,00)

§ Marie Curie Intra-European Fellowship FP7-PEOPLE-2009-IEF (Co-Host)

Title: From action to communication: the role of intention and social cues in the perception of gestures as communicative acts

Training fellow: Dr. Judith Holler (hosting in collaboration with Prof. Peter Hagoort)

Time period: 2010-2013 (€180,000)

§ European Research Council (ERC) Starting Grant (PI)

Title: Language in our hands: The role of modality in shaping development of spatial language in deaf and hearing children

Time period: 2010-2015 (€1.2 million)

§ VIDI Grant, Dutch Science Foundation (NWO) (PI)

Title: Role of modality in shaping sign language structure

Time period: 2007-2012 (€600,000)

§ Dutch Science Foundation (NWO) ASPASIA award

Time period: 2007-2012 (€100,000)

§ Turkish Academy of Sciences, Young Scientist Award (TUBA-GEBIP)

Time period: 2001-2004 (30,000 \$)

§ US National Institutes of Health (NIH), Major Grant (co-PI)

Title: The development of spontaneous gesture systems in deaf children (continuation) (with Prof. Susan Goldin-Meadow)

Time period: 2006-2011 (250,000 \$)

§ US National Institutes of Health (NIH), Major Grant (co-PI)

Title: The development of spontaneous gesture systems in deaf children in four cultures (with Prof. Susan Goldin-Meadow)

Time period: 2000-2005 (250,000 \$)

§ US National Science Foundation (NSF), Major Grant (co-PI)
Linguistics Program and Child Learning and Development Program,
Title: A cross-linguistic developmental study of spatial thinking and speaking: What do spontaneous gestures reveal? (with Dr. Shanley Allen & Dr. Sotaro Kita)
Time period: 2000-2003 (35,000 \$)

§ Fellowship for the promotion of scientific cooperation
Max Planck Institute for Psycholinguistics, The Netherlands
Time period: Summer 2001

§ Visiting Fellowship (Prof. Stephen Levinson)
Max Planck Institute for Psycholinguistics, The Netherlands
Time period: 1997-2000

§ Irving Harris Developmental Psychology Grant, University of Chicago
Time period: 1996-1997

AWARDS AND ACADEMIC STANDING

- Elected member Academia Europea (2019)
- ASPASIA AWARD (Dutch Science Foundation) (2007)
- Turkish Academy of Sciences, Young Scientist Award (TUBA-GEBIP) (2001)
- John Dewey Lectureship award, University of Chicago (1996)
- **Google Scholar: 7800+ h-index =38 10! Index= 98**

ACADEMIC AND PUBLIC SERVICE

MEMBERSHIPS

- *Scientific Board Member*, Donders Institute for Brain Cognition and Behavior, Radboud University Nijmegen (2018-)
- *Leader*, Language and Communication Theme - Donders Institute for Brain Cognition and Behavior, Radboud University Nijmegen (2017 –)
- *Chair* Donders Sessions Organizing Committee (2019-2020)
- *Program Committee Member* International Max Planck Graduate Research School, IMPRS, (2018-)
- *Selection Committee Member (BAC) for Mohrmann Diversity Fellowship* (Radboud University) (2019 and 2021)
- *Scientific Evaluation Committee member* for accreditation of University of Vienna Cognitive Science Graduate Programme (transfer of Central European University (CEU) from Hungary to Vienna) (2020)
- *Advisory Board Member* for RU interfaculty/MPI *Nijmegen Child Language Festival (Kletsoppen)* (2020-)
- *Scientific Board Member*, NWO Gravitation Consortium Grant, *Language in Interaction* (2012 -2023)
- *Jury Member*, Dutch Science Foundation NWO Veni Talent Scheme (Social Sciences-Humanities Section) (2017-2018)
- *Chair*, International Conference Sign Language Acquisition Conference, Istanbul, Turkey (June 27-29- 2018)

- *Chair*, Jury for best Msc Thesis in Cognitive Neuroscience in Netherlands (2016)
- *Jury Member*, NWO Humanities, Linguistics, PhD Selection Committee (2015)
- *President*, International Society of Gesture Studies (ISGS) (2014-2016)
- *Advisor* for Dutch-Kentalis deaf education implementation in a preschool for the deaf in Istanbul (Child Education Center- Cocuk Egitim Dernegi-CED) (2013- 2017)
- *Chair* of Scientific Board for bimodal bilingual education implementation in a preschool for the deaf in Istanbul (CEV: -Child Education Center- Cocuk Egitim Dernegi) (2015- 2017)
- *Advisory Board Member*: DCAL (Deafness, Cognition and Language) Center, University College London (2010-2015)
- *Coordinator* of Sign and Gesture Topic Meetings, Donders Institute for Brain, Cognition and Behavior (2010-2013)
- *Jury member* LOT Dissertation Prize
- *Coordinator* of Nijmegen Gesture Center (with dr. Judith Holler) (2005-)
- Editorial Board Member: Scientific Reports (2022-)
- Editorial Board Member: Topics in Cognitive Science (2020-2022)
- Editorial Board Member: Language and Cognition (2019-)
- Editorial Board Member: Journal Gesture (2000-)
- Review Editorial Board Member: Frontiers in Language Sciences (2005-)
- Editorial Board Member: Frontiers in Multimodal Communication (2021-)
- Editorial Board Member: WIREs in Cognitive Science (2010-)
- Editorial Board Member: Language, Interaction, Acquisition (LIA) (2010-)
- Member of Advice Commission, NWO Dutch Science Foundation MOZAIK
- *General Secretary* of International Society of Gesture Studies (2000-2007)
- *Chair/Reader* PhD Dissertation committees $N=20$ (Radboud University (CLS, MPI, DCC, Donders Institute), Tilburg University, University Gronigen, Erasmus University, University of NewZealand, University of Grenoble, Koc University, Istanbul)
- Recognition of Leadership: Invited to apply
 - Scientific Directorship position DCAL (Deafness, Cognition and Language Research Center) UCL London (2015)
 - Scientific Primary Investigator position : ARC Center of Excellence for Dynamics of Language, Australian National University (2019)

REVIEWING (CONTINUOUS)

- **International Journals:** Autism Research; Brain and Language; Brain Research; Cerebral Cortex; Cognition; Cognitive Linguistics; Developmental Psychology; Child Development; Gesture; Journal of Applied Psycholinguistics; Journal of Bilingualism and Cognition; Journal of Child Language; Journal of Cognitive Neuroscience; Journal of Cognitive Science; Journal of Experimental Psychology: General; Journal of Experimental Psychology: Learning and Memory; Journal of Language and Development; Journal of Memory and Language; Language and Cognitive Processes Linguistics; Neuropsychologia; Psychological Science; Cross-Cultural Psychology; Language; International Journal of Language and Communication Disorders; Topics In Cognitive Science, Philosophical

Transactions of the Royal Society, J of Neuroscience, Discourse Processes, Memory and Cognition

- **Funding Agencies:** National Science Foundation (NSF) (Perception, Action, Cognition Program and Linguistics), USA; Endangered Languages Documentation Program, SOAS, UK; ESRC, UK; British Academy Small Grants; NWO (Dutch Science Foundation) Mozaik, Rubicon, VENI and VIDI programs; European Research Council (ERC Advanced, Starting Grants); Wellcome Trust Foundation, UK; NIAS, NL; Paris Institute for Advanced Study, France, Swiss National Foundation
- **Conferences:** Evolution of Language Conference; Cognitive Science Society Conference (regular and meta reviewer); International Society for Gesture Studies (ISGS) Conference; International Child Language Conference (IASCL); Boston University Language Development Conference (BUCLD); Experimental Pragmatics; International Conference for Turkish Linguistics; GESPIN

ACADEMIC NETWORKS

- Scientific Partner in European University on *Neurotechnology* (2020-2025) (headed by Prof. Tansu Celikel)
- Scientific Partner in (ViCom) Visual communication: Theoretical, empirical, and applied perspectives (2021-2027) Priority Program, funded by German Science Foundation (DFG) (headed by C. Ebert , M. Steinbach)

PUBLICATIONS

Peer-reviewed international journal publications (last position indicating leading author) (N=85)

85. Ünal, E., Manhardt, F., & **Özyürek**. (2022). Speaking and gesturing guide event perception during message conceptualization: Evidence from eye movements. *Cognition*. 225: 105127. doi:10.1016/j.cognition.2022.105127.
84. Slonimska, A., **Özyürek** & Capirci, O. (2022). Simultaneity as an emergent property of efficient communication in language: A comparison of silent gesture and sign language. *Cognitive Science*. 46(5): 13133. doi: 10.1111/cogs.13133.
83. Manhardt, F., **Özyürek** & Brouwer, S. (2022). Word order preference in sign influences speech in hearing bimodal bilinguals but not vice versa: Evidence from behavior and eye-gaze. *Bilingualism: Language and Cognition*. Advance online publication. doi:10.1017/S1366728922000311.
82. Rasenberg, M., **Özyürek** Bögels, S., & Dingemans, M. (2022). The primacy of multimodal alignment in converging on shared symbols for novel referents. *Discourse Processes*, 59(3), 209-236. doi:10.1080/0163853X.2021.1992235.
81. Sumer, B., & **Özyürek**. (2022). Language use in deaf children with early-signing versus late-signing deaf parents. *Frontiers in Communication*, 6: 804900. doi:10.3389/fcomm.2021.804900.
80. Sumer, B., & **Özyürek** (2022). Cross-modal investigation of event component

- omissions in language development: A comparison of signing and speaking children. *Language, Cognition and Neuroscience*. Advance online publication. doi:10.1080/23273798.2022.2042336.
79. Karadöller, D. Z., Sumer, B., Ünal, E., & **Özyürek, A** (2022). Late sign language exposure does not modulate the relation between spatial language and spatial memory in deaf children and adults. *Memory & Cognition*. Advance online publication. doi:10.3758/s13421-022-01281-7.
 78. Trujillo, J. P., **Özyürek, A** Kan, C., Sheftel-Simanova, I., & Bekkering, H. (2022). Differences in functional brain organization during gesture Recognition between autistic and neurotypical individuals. *Social Cognitive and Affective Neuroscience*. Advance online publication. doi:10.1093/scan/nsac026.
 77. Trujillo, J. P., **Özyürek, A.**, Kan, C.C., Sheftel-Simanova, I., & Bekkering, H. (2021). Differences in the production and perception of communicative kinematics in autism, *Autism Research*. Advance online publication.
 76. Trujillo, J. P., **Özyürek, A**, Holler, J., Drijvers, L. (2021) Speakers exhibit a multimodal Lombard effect in noise. *Scientific Reports*, 11:16721.
 75. **Özyürek, A** (2021). Considering the nature of multimodal language from a crosslinguistic perspective. *Cognition*, 4 (1):42.
 74. Slonimska, A., **Özyürek, A.**, & Capirci, O. (2021). Using depiction for efficient communication in LIS (Italian Sign Language). *Language and Cognition*, 13(3), 367-396 (currently in Most Read list)
 73. Manhardt, F., Brouwer, S., **Özyürek, A.** (2021) A tale of two modalities: Sign and speech influence in each other bimodal bilinguals. *Psychological Science*, 32(3), 424-436.
 72. Karadöller, D., Sumer, B. & **Özyürek, A.**(2021). Effects and non-effects of late language exposure on spatial language development: Evidence from deaf adults and children *Language Learning & Development*, 17(1),1-25
 71. Rasenberg, M., **Özyürek, A.** Dingemans, M (2020). Alignment in multimodal Interaction: An integrative framework. *Cognitive Science*, 44(11): e12911.
 70. Schubotz, L., Holler, J., Drijvers, L., & **Özyürek, A.**(2020). Aging and working memory modulate the ability to benefit from visible speech and iconic gestures during speech-in-noise comprehension. *Psychological Research*.
 69. Manhardt, F., **Özyürek, A.**, Sumer, B., Mulder, K., Karadöller, D. Z., & Brouwer, S. (2020). Iconicity in spatial language guides visual attention: A comparison between signers' and speakers' eye gaze during message preparation. *Journal for Experimental Psychology: Learning, Memory, and Cognition*. 46(9), 1735-1753.
 68. Sekine, K., Schoechl, C., Mulder, K., Holler, J., Kelly, S., Furman, R., & **Özyürek, A.** (2020). Evidence for children's online integration of Simultaneous information from speech and iconic gestures: An ERP study. *Language, Cognition and Neuroscience*. 35(10), 1283-1294
 67. Slonimska, A., **Özyürek, A.**, & Capirci, O. (2020). The role of iconicity and simultaneity for efficient communication: The case of Italian Sign Language (LIS). *Cognition*, 200: 104246. 66.
 66. Sumer, B., & **Özyürek, A** (2020). No effects of modality in development of locative expressions of space in signing and speaking children. *Journal of Child Language* 47(6), 1101-1131.
 65. Macuch Silva, M., Holler, J., **Özyürek, A.** Sean, R. (2020). Multimodality and the

- origin of a novel communication system in face-to-face interaction. *Royal Society Open Science*, 7: 182056.
64. Trujillo, J. P., Simanova, I., **Özyürek, A.** & Bekkering, H. (2020). Seeing the unexpected: How brains read communicative intent through kinematics. *Cerebral Cortex*, 30(3), 1056-1067. doi:10.1093/cercor/bhz148.
63. Ortega, G., **Özyürek, A.** & Peeters, D. (2019). Iconic gestures serve as manual cognates in hearing second language learners of a sign language: An ERP study. *Journal of Experimental Psychology: Learning, Memory, and Cognition*. Advance online publication. doi:10.1037/xlm0000729.
62. Trujillo, J. P., Vaitonyte, J., Simanova, I., & **Özyürek, A.** (2019). Toward a markerless and automatic analysis of kinematic features: A toolkit for gesture and movement research. *Behavior Research Methods*, 51(2), 769-777. doi:10.3758/s13428-018-1086-8.
61. Trujillo, J. P., Simanova, I., Bekkering, H., & **Özyürek, A.** (2019). The communicative advantage: How kinematic signaling supports semantic comprehension. *Psychological Research*. Advance online publication. doi:10.1007/s00426-019-01198-y.
60. Ortega, G., & **Özyürek, A.** (2019). Types of iconicity and combinatorial strategies distinguish semantic categories in silent gesture. *Language and Cognition*. Advance online publication. doi:10.1017/langcog.2019.28.
59. Ortega, G., Schiefner, A., & **Özyürek, A.** (2019). Hearing non-signers use their gestures to predict iconic form-meaning mappings at first exposure to sign. *Cognition*. Advance online publication. doi:10.1016/j.cognition.2019.06.008.
58. Ortega, G., & **Özyürek, A.** (2019). Systematic mappings between semantic categories and types of iconic representations in the manual modality: A normed database of silent gesture. *Behavior Research Methods*. Advance online publication. doi:10.3758/s13428-019-01204-6.
57. Schubotz, L., **Özyürek, A.** & Holler, J. (2019). Age-related differences in multimodal recipient design: Younger, but not older adults, adapt speech and co-speech gestures to common ground. *Language, Cognition and Neuroscience*, 34(2), 254-271. doi:10.1080/23273798.2018.1527377.
56. Drijvers, L., Vaitonyte, J., & **Özyürek, A.** (2019). Degree of language experience modulates visual attention to visible speech and iconic gestures during clear and degraded speech comprehension. *Cognitive Science*, 43: e12789. doi:10.1111/cogs.12789.
55. Drijvers, L., Van der Plas, M., **Özyürek, A.** & Jensen, O. (2019). Native and non-native listeners show similar yet distinct oscillatory dynamics when using gestures to access speech in noise. *NeuroImage*, 194, 55-67. doi:10.1016/j.neuroimage.2019.03.032.
54. Drijvers, L., & **Özyürek, A.** (2019). Non-native listeners benefit less from gestures and visible speech than native listeners during degraded speech comprehension. *Language and Speech*. Advance online publication. doi:10.1177/0023830919831311.
53. Azar, Z., **Özyürek, A.** & Backus, A. (2019). Turkish-Dutch bilinguals maintain language-specific reference tracking strategies in elicited narratives. *International Journal of Bilingualism*. Advance online publication. doi:10.1177/1367006919838375.
52. Azar, Z., Backus, A., & **Özyürek, A.** (2019). Language contact does not drive gesture transfer: Heritage speakers maintain language specific gesture patterns in each language. *Bilingualism: Language and Cognition*. Advance

- online publication. doi:10.1017/S136672891900018X.
51. Trujillo, J. P., Simanova, I., Bekkering, H., & **Özyürek, A.** (2018). Communicative intent modulates production and perception of actions and gestures: A Kinect study. *Cognition*, 180, 38-51. doi:10.1016/j.cognition.2018.04.003.
 50. Drijvers, L., **Özyürek, A.** & Jensen, O. (2018). Alpha and beta oscillations index semantic congruency between speech and gestures in clear and degraded speech. *Journal of Cognitive Neuroscience*, 30(8), 1086-1097. doi:10.1162/jocn_a_01301.
 49. Azar, Z., Backus, A., & **Özyürek, A.** (2018). General and language specific factors influence reference tracking in speech and gesture in discourse. *Discourse Processes*. Advance online publication. doi:10.1080/0163853X.2018.1519368.
 48. Drijvers, L., **Özyürek, A.** & Jensen, O. (2018). Hearing and seeing meaning in noise: Alpha, beta and gamma oscillations predict gestural enhancement of degraded speech comprehension. *Human Brain Mapping*, 39(5), 2075-2087. (**Editors Choice Award**)
 47. Drijvers, L., & **Özyürek, A.** (2018). Native language status of the listener modulates the neural integration of speech and iconic gestures in clear and adverse listening conditions. *Brain and Language*, 177-178
 46. Peeters, D., Snijders, T. M., Hagoort, P., & **Özyürek, A.** (2017). Linking language to the visual world: Neural correlates of comprehending verbal reference to objects through pointing and visual cues. *Neuropsychologia*, 95, 21-29.
 45. Ortega, G., Sumer, B., & **Özyürek, A.** (2017). Type of iconicity matters in the vocabulary development of signing children. *Developmental Psychology*, 53(1), 89-99.
 44. Drijvers, L., & **Özyürek, A.** (2017). Visual context enhanced: The joint Contribution of iconic gestures and visible speech to degraded speech comprehension. *Journal of Speech, Language, and Hearing Research*. 60, 212-222.
 43. Peeters, D., & **Özyürek, A.** (2016). This and that revisited: A social and multimodal approach to spatial demonstratives. *Frontiers in Psychology*, 7: 222.
 42. Dimitrova, D. V., Chu, M., Wang, L., **Ozyurek, A.**, & Hagoort, P. (2016). Beat that word: How listeners integrate beat gesture and focus in multimodal speech discourse. *Journal of Cognitive Neuroscience*, 28(9), 1255-1269.
 41. Azar, Z., & **Özyürek, A.** (2015). Discourse Management: Reference tracking in speech and gesture in Turkish narratives. *Dutch Journal of Applied Linguistics*, 4(2), 222-240
 40. Perniss, P. M., Zwitserlood, I., & **Özyürek, A.** (2015). Does space structure spatial language? A comparison of spatial expression across sign languages. *Language*, 91(3), 611-641.
 39. Peeters, D., Chu, M., Holler, J., Hagoort, P., & **Özyürek, A.** (2015). Electrophysiological and kinematic correlates of communicative intent in the planning and production of pointing gestures and speech. *Journal of Cognitive Neuroscience*, 27(12), 2352-2368. doi:10.1162/jocn_a_00865.
 38. Peeters, D., Hagoort, P., & **Özyürek, A.** (2015). Electrophysiological evidence for the role of shared space in online comprehension of spatial demonstratives. *Cognition*, 136, 64-84.
 37. Holler, J., Kokal, I., Toni, I., Hagoort, P., Kelly, S. D., & **Özyürek, A.** (2015). Eye'm talking to you: Speakers' gaze direction modulates co-speech gesture

- processing in the right MTG. *Social Cognitive & Affective Neuroscience*, 10, 255-261.
36. **Özyürek**, A., Furman, R., & Goldin-Meadow, S. (2015). On the way to language: Event segmentation in home sign and gesture. *Journal of Child Language*, 42, 64-94.
35. Slonimska, A., **Özyürek**, A., & Campisi, E. (2015). *Ostensive signals: markers of communicative relevance of gesture during demonstration to adults and children*. In G. Ferré, & M. Tutton (Eds.), *Proceedings of the 4th GESPIN - Gesture & Speech in Interaction Conference* (pp. 217-222). Nantes: University of Nantes.
34. Perniss, P. M., **Özyürek**, A., & Morgan, G. (2015). [Introduction Special Issue] . The Influence of the visual modality on language structure and conventionalization: Insights from sign language and gesture. *Topics in Cognitive Science*, 7(1), 2-11.
33. Kelly, S., Healey, M., **Özyürek**, A., & Holler, J. (2015). The processing of speech, gesture and action during language comprehension. *Psychonomic Bulletin & Review*, 22, 517-523.
32. Goldin-Meadow, S., Namboodiripad, S., Mylander, C., **Özyürek**, A., & Sancar, B. (2015). The resilience of structure built around the predicate: Home sign gesture systems in Turkish and American deaf children. *Journal of Cognition and Development*, 16, 55-80.
31. Perniss, P. M., & **Özyürek**, A. (2015). Visible cohesion: A comparison of reference tracking in sign, speech, and co-speech gesture. *Topics in Cognitive Science*, 7(1), 36-60.
30. Furman, R., Kuntay, A., & **Özyürek**, A. (2014). Early language-specificity of children's event encoding in speech and gesture: Evidence from caused motion in Turkish. *Language, Cognition and Neuroscience*. Advance online publication. doi:10.1080/01690965.2013.824993.
29. Holler, J., Schubotz, L., Kelly, S., Hagoort, P., Schuetze, M., & **Özyürek**, A. (2014). Social eye gaze modulates processing of speech and co-speech gesture. *Cognition*, 133, 692-697.
28. Kelly, S., Healey, M., **Özyürek**, A., & Holler, J. (2014). The processing of speech, gesture and action during language comprehension. *Psychonomic Bulletin & Review*. Advance online publication. doi:10.3758/s13423-014-0681-7.
27. **Özyürek**, A. (2014). Hearing and seeing meaning in speech and gesture: Insights from brain and behaviour. *Philosophical Transactions of the Royal Society of London. Series B, Biological Sciences*, 369(1651)
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- Özyürek, A., & Kita, S. (1999). Expressing manner and path in English and Turkish: Differences in speech, gesture, and conceptualization. In M. Hahn, & S. C. Stoness (Eds.), *Proceedings of the Twenty-first Annual Conference of the Cognitive Science Society* (pp. 507-512). London: Erlbaum.
- Özyürek, A. (1998). *An analysis of the basic meaning of Turkish demonstratives in face-to-face conversational interaction*. In S. Santi, I. Guaitella, C. Cave, & G. Konopczynski (Eds.), *Oralité et gestualité: Communication multimodale, interaction: actes du colloque ORAGE 98*.
- Trabasso, T., & Özyürek, A. (1997). *Communicating evaluation in narrative understanding*. In T. Givon (Ed.), *Conversation: Cognitive, communicative and social perspectives* (pp. 268-302). Philadelphia, PA: Benjamins.
- Özyürek, A. (1994). *How children talk about a conversation*. In K. Beals, J. Denton, R. Knippen, L. Melnar, H. Suzuki, & E. Zeinfeld (Eds.), *Papers from the Thirtieth Regional Meeting of the Chicago Linguistic Society: Main Session* (pp. 309-319). Chicago, Ill: Chicago Linguistic Society.
- Özyürek, A. (1994). How children talk about conversations: Development of roles and voices. In E. V. Clark (Ed.), *Proceedings of the Twenty-Sixth Annual Child Language Research Forum* (pp. 197-206). Stanford: CSLI Publications.

INVITED LECTURES, COLLOQUIA AND KEYNOTES (N=67)

- Özyürek, A (upcoming, June 2023). Invited **Keynote and Organizer for Multimodal Language Session at 21st International Congress of Linguistics 2023, Kazan Russia**
- Özyürek, A (upcoming, August 2022). Invited **Keynote and teaching for Institute on Multimodality Summer School Bielefeld Germany**
- Özyürek, A. (upcoming July 2022) Teaching at Radboud Summer School Trends in Cognitive Neuroscience of Language

- Özyürek, A. (upcoming,2022). Abralin Talk, Brazilian Linguistics Society
- Özyürek, A (February, 2022). York Linguistics Department Colloquim, UK
- Özyürek, A. (January, 2022).Invited talk for CocoDev LabTalks, U of Marseille, Institute for Language, Communication and the Brain (ILCB)
- Özyürek, A. (January, 2022). UCL Psychology Dept Colloquim Speaker
- Özyürek, A. (December, 2021). University of Edinburgh, Linguistics Department Colloquim Talk, UK
- Özyürek, A. (December, 2021) Abralin Talk, Discussant, for Dr. Neil Cohn, Brazilian Linguistics Society
- Özyürek, A.(2021). *Not only origins but also future of language is likely to be multimodal. **Keynote Lecture.*** Protolange 7, University of Dusseldorf
- Özyürek, A. (September, 2021) **Keynote Lecture.** *Can language typologies be multimodally construed? Evidence from language use, processing and acquisition.* Workshop on Cross-Linguistic Perspectives on Processing and Learning, XPPL2021, University of Zurich, Switzerland (organized by S. Stoll and B. Bickel et al.)
- Özyürek, A.(June, 2021).Invited Lecture. *Multimodal language as key to its adaptivity, but how?* Invited Lecture, Bremen-Gronigen Talks on Multimodality
- Özyürek, A. (April, 2021) Invited lecture. *General and specific strategies in reference tracking in speech and gesture discourse: Insights from Turkish.* for Cognitive Science students , Middle East Technical University, Ankara
- Özyürek, A. (March, 2021) Participation in Growing up in Science, organized by CogIst, Turkey.
- Özyürek, A. (February, 2021). **Keynote Lecture.** *How to use multimodal language efficiently in online video-mediated communication.* Radboud Into Languages Professionals Day, Radboud University
- Özyürek, A.(February, 2021). Invited Lecture, *Multimodal language as flexible and adaptive.* Future of Linguistics Workshop, MPI
- Özyürek, A. (November, 2020). **Keynote Lecture** Institute 2020, Nordic Chapter, Human and Artificial Intelligence, Formal and Cognitive Foundations for Human Centered Computing, Sweden (postponed to 2021/22)
- Özyürek, A. (July, 2020) Invited Speaker Workshop Speech Accompanying Gestures: Current Empirical and Theoretical Perspectives , The 4th Crete Summer School of Linguistics (organized by P. Grosz and S. Zobel), Crete, Greece (postponed) 2021/22)
- Özyürek, A. (June, 2020). Invited Speaker Workshop on The Role of Iconicity in Language . Max Planck Institute for Empirical Aesthetics Frankfurt, Germany (organized by C. Ebert and D. Poeppel) ((postponed to 2021/22)
- Özyürek, A. (October, 2020) **Keynote Lecture** *From hands to brains: How does the human body talk, think and interact in face-to-face language use?* 22nd ACM International Conference on Multimodal Interaction, (ICMI2020) Utrecht Netherlands
- Özyürek, A. (May,2020). **Keynote Lecture** . 4th International Symposium on Brain and Cognition,Bilkent University, Ankara, Turkey (virtual)
- Özyürek, A (June, 2019) **Keynote Lecture.** Multimodality Conference, LinCologne2019, University Cologne,Germany
- Özyürek, A (May, 2019) Colloquim Talk, Psychology Department, University of Davis, USA

- Özyürek, A. (January, 2019) Invited Lectures on *Methods in Multimodal Language and Communication Research*. Invited course lectures (5) given at LOT Winter School, University Amsterdam
- Özyürek, A. (May, 2018) Invited Panel Talk, *How do children learn with their hands*. Piaget Society Conference, Amsterdam
- Özyürek, A. (January, 2018) Colloquim Talk, *How does communicative intent modulate action and gesture?: Implications for social interaction and cultural transmission*. Cognitive Science Colloquim, Central European University
- Özyürek, A. (November, 2017) **Keynote Lecture**. *You see what I mean? What language in our hands reveals about language, cognition and communication* 62nd StuTs Nijmegen Student German Student Conference of Linguistics
- Özyürek, A. (July, 2017). **Keynote Lecture**, *Multimodal approaches to language development*. Congress for International Association for Child Language, IASCL, Lyon, France
- Özyürek, A. (July 2017) Invited speaker, *The role of gestures in spoken language comprehension*. 4th International Conference on Cognitive Hearing Science for Communication, Lipkoping University, Sweden, organized by Linneaus Center HEAD
- Özyürek, A. (January, 2016) Invited Lecture. *Giving speech a hand: A multimodal view on language and processing*. Auditory Seminar, Cochlear Implant Unit, University Medical Center Groningen
- Özyürek, A. (January, 2016). Invited lecture. *Comprehending visible utterances*. In Symposium on visual information in language comprehension, convened by Patti Adank, Experimental Psychology Society Conference, London
- Özyürek, A. (May, 2016). Invited Speaker. 3rd International Symposium on Brain and Cognition, Yeditepe University, Istanbul
- Özyürek, A. (May, 2016). Invited Speaker. Divided Metacognition ERC Workshop, Institute Jean Nicod, Paris
- Özyürek, A. (November, 2016) **Keynote Lecture** Xth Language Acquisition National Conference and the IVth International Conference on Language Acquisition, Brazil (given through video connection)
- Özyürek, A. (October, 2015). **Keynote Lecture**. *Neural and Cognitive Infrastructure of Multimodal Language Processing and Learning: Implications for Multimedia Technology*. Symposium on Embodied Design in Education, University of Utrecht.
- Özyürek, A. (September, 2015). **Keynote Lecture**. *Neural and Cognitive Infrastructure of Multimodal Language Processing and Learning: Implications for Multimedia Technology* Embodied Cognition and Multimedia Learning Symposium. Erasmus University, Rotterdam,
- Özyürek, A. (September, 2015). **Keynote Lecture** *Situating language in face-to-face communication: Multimodal language use, typology and insights from the brain*. 48th Annual Meeting of the Societas Linguistica Europaea, Leiden University, NL.
- Özyürek, A. (July, 2015). *Early links between action and language: Evidence from gesture, sign and "verby" spoken languages*. Invited lecture in Gesture in Language Development Workshop, Warwick University Psychology Department, UK.
- Özyürek, A. (March, 2015). Invited Lecture. *The role of visual modality in language evolution*. SMART lectures in Cognitive Science on Language Evolution. University of Amsterdam, NL.

- Özyürek, A. (January, 2015). *Visible action and language as context for each other*. Invited lecture at the Language in Context Workshop, UCL Psychology Department, London, UK.
- Özyürek, A. (November, 2014) Invited talk at the Cognitive Science Talks series, University of Connecticut, USA, Psychology Department.
- Özyürek, A. (July, 2014). **Keynote Lecture**, International Society for Gesture Studies Conference, University of California San Diego, USA Center for Language Studies.
- Özyürek, A. (April, 2013) *Why do we need a multimodal approach to language?* CLS Colloquium, Radboud University Nijmegen.
- Özyürek, A. (April 2013). Invited speaker, *Multiple routes from gesture to sign*. International workshop on the gesture-sign interface in language acquisition, Organized by GDR CNRS 3195 ADYLOC , Université Paris 3 Sorbonne Nouvelle, France.
- Özyürek, A. (June, 2013). *Perspectives on gesture and sign*. Workshop on "Language evolution and emergence" W. Sandler & S. Levinson prep. Minerva-Max Planck Society Workshop, Nijmegen .
- Emmorey, K. & Özyürek, A. (July 2013). *Neural correlates of sign and co-speech gesture*. Invited lecture at Mac Donald Sumer Institute of Cognitive Neuroscience, Lake Tahoe CA, USA.
- Özyürek, A. (2013). Invited talk at the University of Grenoble, France .
- Özyürek, A. (October, 2012). *Moving Language*. **Keynote Lecture** given at the Moving Humanities conference, Radboud University Nijmegen.
- Özyürek, A. (September, 2012). *Cross-linguistic and cross-modal expressions of events*. Invited talk given at ESF workshop on "Thinking for speaking and gesturing", University of Reading, UK.
- Özyürek, A. (January, 2012). *Giving comprehension a hand*. Invited talk given at the workshop "What if .." at University College London (Prof. Gabriela Vigliocco).
- Özyürek, A. (June, 2011). Invited talk for the Brain and Cognition Club Colloquium (Prof. Rolf Zwaan), Erasmus University, Rotterdam.
- Özyürek, A. (June, 2011). **Keynote Lecture** given at the Experimental Pragmatics Conference, Barcelona, Spain.
- Özyürek, A. (April, 2011). Colloquium Talk at Lund University, Humanities lab, Sweden.
- Özyürek, A. (February, 2011). *Gesture as an embodied and/or communicative act: Evidence from brain and behavior*. Colloquium Talk at Tilburg Centre for Cognition and Communication (TiCC Colloquium), Tilburg, NL.
- Özyürek, A. (July, 2010). *Multimodal communication: What do gestures reveal about language, culture and cognition?* Talk presented at CLARA Summer School for Advanced Language Resource Creation, Archiving and Usage, MPI, Nijmegen, NL.
- Özyürek, A. (July, 2010). *Where and when of brain's comprehension of speech and gesture*. Invited talk given at the Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany.
- Özyürek, A. (June, 2010). *Gesture as a Communicative Act: Evidence from Brain and Behavior*. Invited talk given at the Deafness, Cognition and Language Research Center (DCAL), University College London, United Kingdom.
- Özyürek, A. (June, 2010). *Gesture, Language and the Brain*. Keynote given at the Augmentative Communication Conference, Kentalis, NL.

- Senghas, A. & Özyürek, A. (April, 2010). *The evolution of segmentation and sequencing in language: Evidence from Nicaraguan sign language and home signers*. Invited lecture at the Evolution of Language Conference, Utrecht, NL.
- Özyürek, A. (February, 2010). *Gesture as a communicative act*. Invited lecture in "Entertaining Interacting Minds" conference in honor of Chris and Utah Frith, Donders Center for Cognition, Radboud University Nijmegen, NL.
- Özyürek, A. (2009). *The role of gesture in production and comprehension of language: Insights from behavior and brain*. **Keynote** lecture at the 8th International Gesture Workshop (GW 2009) Gesture in Embodied Communication and Human-Computer Interaction, ZiF Center for Interdisciplinary Research, Bielefeld, Germany.
- Özyürek, A. (2008). *How does gesture become language?: Expressions of motions and actions in sign and gesture*. Lecture given at the Center for Language Studies Colloquium, Radboud University, Nijmegen, NL.
- Özyürek, A. (2008) *From gesture to sign language*. 5 lectures presented at LOT Winter School, Tilburg University, NL.
- Özyürek, A. (2008). *How does gesture become language?* Talk given at Cognitive Science Lecture Series at Middle Eastern Technical University, Ankara, Turkey.
- Özyürek, A. (2007). *Boundaries between signs and gestures: Insights from cross-linguistic comparisons*. Invited lecture given at the ESF Exploratory Workshop, Rome, Italy.
- Özyürek, A., & Perniss, P. (October, 2006). *From gesture to sign: Is there a continuum?* Talk given at the Nascent Languages Workshop at the Rockefeller Study and Conference Center, Bellagio, Italy.
- Özyürek, A. (July, 2006). *Neural correlates of speech and gesture comprehension*. Talk given at the Neurocognition of Gesture Workshop at the Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany.
- Özyürek, A. (2006). Invited talk *From gesture to language: How did a (sign) language emerge in Nicaragua?* given at the Netherlands Institute for Advanced Studies (NIAS), Wassenaar, NL.
- Özyürek, A. (2005). *From gesture to language: How did a (sign) language emerge in Nicaragua?* A First Scottish-Dutch Workshop on Language Evolution, August, University of Amsterdam, NL.
- Özyürek, A. (2005). *How do our hands talk? Cognitive processes underlying speech and gesture production*. Second International Workshop on Language Production, August, University of Maastricht, NL.
- Özyürek, A. (2005). Invited talk *Processing of multi modal semantic information in comprehension and production of utterances*. given at Communicating Skills of Intention Conference, Kyushu University, Japan.
- Özyürek, A. (2004). Invited Talk. *Relations between gestures and language: How and When?* Workshop on Gestures in Human and non-Human Primates at the Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany.
- Özyürek, A. (2004). *What do co-speech gestures reveal about differences in spatial thinking patterns of English and Turkish speakers during speaking?* Colloquium Talk at the Nijmegen University, Linguistics Department, NL.
- Özyürek, A., & Perniss, P. (2004). *Number quantification and space in Turkish and German Sign Languages*. Mini-conference on sign language, Linguistics Department, Nijmegen University,

- Özyürek, A. (2002). *Relations between gesture and sign language: Insights from Turkey*. Course given at the Netherlands Graduate School for Linguistics Summer School, NL.
- Özyürek, A., & Kita, S. (2001). *Attention manipulation in the situational use of Japanese and Turkish demonstratives*. Invited talk given at the workshop on Deictic conceptualization of space, time and person, Annual Meeting of the German Linguistic Society Conference, Leipzig, Germany.
- Özyürek, A. (2001). *What is the role of gestures in an emerging sign language?: The case of Nicaraguan sign language*. Invited talk given at the Developmental lunch talk series, Department of Psychology, Bogazici University, Istanbul, Turkey.
- Özyürek, A. (2001). *Speech-gesture relationship in second language learners*. Invited paper presentation given at the workshop on "The relationship between verbal and non-verbal behavior", University of Southern Denmark, Odense University, Denmark.
- Kita, S., & Özyürek, A. (2001). *Cross-linguistic variation in the semantic coordination of speech and gesture*. Invited paper presented at the workshop on Meaning and syntax of words. Max Planck Institute for Psycholinguistics, Nijmegen, NL.
- Özyürek, A., & Kita, S. (2000). *Attention manipulation in the situational use of Japanese and Turkish demonstratives*. Department of Anthropology, Northwestern University, Evanston, IL, USA.
- Özyürek, A. (2000). *What do gestures reveal about the way Turkish speakers think, talk and interact: Gesture as a window into culture specific cognition and interaction*. Linguistics Department, Utrecht University, NL.
- Kita, S., & Özyürek, A. (1998). *Spatial frames of reference and representing space by gestures in narrative discourse*. Paper presented at The Semantics and Pragmatics of Everyday Gestures International Symposium, Department of Linguistics, Free University of Berlin and Technical University of Berlin, Germany.
- Özyürek, A. (1998). *The role of gestures in spatial cognition and communication across languages and contexts*. Talk given at the Cognitive Science Colloquium, Department of Psychology, Northwestern University, Chicago, IL, US

ORGANIZATION OF CONFERENCES AND WORKSHOPS

- Broersma, M., McQueen, J., Kidd, E., Özyürek, A., Lemhofer, K., Unsworth, S. (May, 2019). 3rd International Symposium on Bilingual and L2 Processing in Adults and Children (ISBPAC), Nijmegen (postponed to 2021)
- Sumer, B. & Özyürek, A, (Chair) (July, 2018) 3rd International Sign Language Acquisition Conference, (ICSLA) Istanbul, Turkey
- Unal, E., Flecken, M., Özyürek, A. (2017) International workshop on "Event representations in brain language and development", Max Planck Institute for Psycholinguistics
- Ortega, G., Dingemans, M. Özyürek, A. (2017). International workshop on "Type of iconicity in language , processing, development and evolution". Max Planck Institute for Psycholinguistics

- Özyürek, A. (chair), Unsworth, S., Casillas, M., & Simanova, I. (2015) Nijmegen Lectures 2015, *Origin of Abstract Thought; Liz Spelke and Susan Carey*, Max Planck Institute for Psycholinguistics Nijmegen.
- Özyürek, A., Holler, J., Azar, Z., Krahmer, E., Swerts, M., & Masson, I. (2015) *Nijmegen-Tilburg Multimodality Workshop*, Tilburg University.
- Peeters, D. & Özyürek, A. (2015) *Workshop 'Pointing in Spoken and Signed Communication*, Max Planck Institute for Psycholinguistics Nijmegen.
- Vigliocco, G. & Özyürek, A. (2014) Symposium organized at the International Child Language Conference, (IASCL) "*The Role of Iconicity in Language Development across Language Modalities and Typologies*", Amsterdam.
- Özyürek, A. (2014) *Nijmegen meets London: Recent Advances in Sign Language Acquisition and Processing*, Radboud University Nijmegen.
- Campisi, E., Peeters, D., Holler, J., Özyürek, A. (2014). "*Communicative intention in action and gesture*". 4th Nijmegen Gesture Center Workshop, Max Planck Institute for Psycholinguistics.
- Özyürek, A. et al., (2012). "*Multimodality and Language Learning*" 3rd Nijmegen Gesture Center Spring Workshop Max Planck Institute for Psycholinguistics Nijmegen.
- Özyürek, A. & de Vos, C. (2010). 2nd Nijmegen Gesture Center Spring Workshop. "*Language evolution in our hand*", Max Planck Institute for Psycholinguistics Nijmegen.
- Özyürek, A. (2009). First Nijmegen Gesture Center Spring Workshop. "*Emerging sign languages*", Max Planck Institute for Psycholinguistics Nijmegen.
- Özyürek, A. & Kelly, S. (2005). "*Processes underlying speech and gesture comprehension: Insights from the brain*". 2nd International Society for Gesture Studies Conference, Interacting Bodies, Lyon, France.
- Özçalışkan, S. and Özyürek, A. (2005). "*From non-linguistic to linguistic representations: Children's encoding of motion at the perceptual, gestural and linguistic levels*". 10th International International Child Language Conference, (IASCL)
- Özyürek, A. Levinson, S., Zwitserlood, I, Perniss, P., Bos.H. (2003). "*Space in language and cognition: What do sign languages reveal?*" funded by NWO Cognitie program, Max Planck Institute for Psycholinguistics, Nijmegen.
- Özyürek, A. (2002). "*The role of gestures in language development*" International Congress for the Study of Child Language and Research in Child Language Disorders Wisconsin, Madison.

TEACHING AND SUPERVISION

Courses

- MA Course in "Semantics, Pragmatics and Cognition", in Cognitive Neuroscience Masters Program
- MA Course "Structural Aspects of Language", in Cognitive Neuroscience Masters Program
- MA Course Multimodal Context of Language: Gesture and Sign 2009-present In Cognitive Neuroscience Masters and in Research Master in Language and Communication Programmes Radboud University Nijmegen
- Lecturer, Trends in Cognitive Sciences, Msc Cognitive Neuroscience Research Master Radboud University Nijmegen

- BA Course Neurolinguistics, 2010- present, Dept. of Linguistics, Radboud University Nijmegen
- BA Course Sign Language, Dept of Linguistics , Radboud University Nijmegen (with Dr. Onno Crasborn)
- Writing Course in Cognitive Neuroscience Research Master and Master Programme in Language and Communication
- Gesture, Language and Brain Summer School of International Society for Gesture Studies (July 2010). Frankfurt Oder
- Gesture and Sign Language, LOT Linguistics Winter School Tilburg (2008)
- Research Methods in Multimodal Language, LOT Linguistics Winter School UvA (2019)
- BA course: Introduction to Psychology (2000-2003). Department of Psychology, Koç University, Istanbul
- BA course: Language and Communication (2000-2003). Department of Psychology, Koç University Istanbul
- BA course: Cognitive Psychology (2000-2003). Department of Psychology, Koç University Istanbul
- BA Course: Discourse and Communication. Department of Psychology, John Dewey Lecture , University of Chicago
- BA Course (teaching assistant). Psychology of Language Department of Psychology, University of Chicago
- BA Course (teaching assistant). Discourse and Cognition Department of Psychology, University of Chicago

Postdocs (past and present)

- Dr Wim Pouw (2019-present) DCC Research Fellow, NWO funded VENI Laurate (from 2022 onwards)
- Dr. Madeleine Long (2021-2022) Postdoc visiting from Oslo University (with Dr. Paula Rubio-Fernandez)
- Dr. Beyza Sumer (NWO-VICI) (now Lecturer UvA Linguistics) completed
- Dr. Inge Zwitterlood (VIDI, ERC) completed
- Dr. Pamela Perniss (VIDI) completed- (now Prof. University of Cologne)
- Dr. Judith Holler (Marie Curie) completed (now Assoc Prof, Donders Institute, Radboud Univ)
- Dr. Emanuela Campisi (Marie Curie) completed (now Assist Prof. U of Catania, Italy)
- Dr. Gerardo Ortega (ERC, VENI) 2014-2018 –completed (now Lecturer U Birmingham)
- Dr. Susanne Brouwer (VICI) 2016 –completed (now Assist Prof Radboud U)
- Dr. Ercenur Unal (VICI) – completed (now Assist Prof. Ozyegin Univ. Istanbul)
- Dr. Kazuki Sekine (Marie Curie) completed– (now Assist Prof. Wadesa University)
- Dr. Kimberley Muelder (VICI)- completed

Doctoral Students

Graduated:

- **Pamela Perniss**, PhD (2007) (co-promotor with Prof. Stephen Levinson)
Department of Linguistics, Radboud University Nijmegen and Max Planck Institute for Psycholinguistics (now Prof., Linguistics, University of Cologne)
Space and iconicity in German Sign Language (DGS)
- **Roel Willems**, PhD *Cumlaude* (2009) (co-promoter with Prof. Hagoort)
Donders Center for Cognitive Neuroimaging, Radboud University Nijmegen
Faculty of Social Sciences, Radboud University Nijmegen (*Cum Laude*)
(Neural reflections of meaning in gesture, language, and action. (now Assoc Prof. Language and Communication Dept, CLS, Radboud University)
- **Reyhan Furman**, (2010) (co-promoter with Prof. Pieter Muysken) Department of Linguistics, Radboud University Nijmegen
Caused motion events in Turkish: Verbal and gestural representations adults and children (now Associate Prof. University of Lanchester, UK)
- **Beyza Sumer** (2015) Department of Linguistics, Radboud University Nijmegen & International Max Planck Research School
Acquisition of spatial language by signing and speaking children: A comparison of Turkish Sign Language (TID) and Turkish (now Assist Prof. in UvA Linguistics)
- **David Peeters** (2015) (co-promoter with Prof. Peter Hagoort) Donders Institute and MPI, IMPRS (International Max Planck Research School) Faculty of Social Sciences (now Assoc. Professor, Language and Comm. Dept. ,Tilburg University)
A social and neurobiological approach to pointing in speech and gesture
- **Linda Drijvers** (2019) (co-promoter with Prof. Ole Jensen. Uni of Birmingham (*CumLaude*) Faculty of Social Sciences (now MPG, Minerva Fast Track Fellow))
On the oscillatory dynamics underlying speech-gesture integration in clear and adverse listening conditions
- **James Trujillo** (2019) (co-promoter with Prof Harold Bekkering) Faculty of Social Sciences (now Postdoc DCC, Radboud University)
Movement speaks for itself: the neural and kinematic dynamics of communicatively intended action and gesture
- **Zeynep Azar** (2020) (co-promoter with Prof Ad Backus, Tilburg University) Department of Linguistics, Radboud University Nijmegen (now Lecturer Rotterdam Hogeschool)
Effect of language contact on speech and gesture: The case of Dutch-Turkish bilinguals
- **Francie Manhardt** (2020) (co- promoter with Dr. Susanna Brouwer, CLS, Radboud) (now Data Steward, Faculty of Business, Radboud Uni)
Dutch Science Foundation (NWO) VICI Grant (2016 - 2020)
A tale of two modalities: How modality shapes language production and visual attention
- **Louise Schubotz** (2021) (co-promoter with Dr. Judith Holler)
Max Net Aging, MPI
The use and adaptation of speech and gestures by young and older speakers in different addressee contexts

- **Dilay Karadöller** (2022) (co-promoter with Dr. Beyza Sumer (UvA) and Dr. Ercenur Unal, Ozyegin University)- (now postdoc Koc University, Psychology Department)
Spatial language, cognition and memory in early and late learners of sign language as a first language

Ongoing:

Ezgi Mamus (co-promoter with Prof. Asifa Majid (U of York) and Dr. Laura Speed (CLS) Semantic representations of blind people as elicited from their speech and gestures CLS Fellowship (2018-2022)

Marlou Rasenberg (co-promoter with Dr. Mark Dingemans, CLS)
Dutch Science Foundation (NWO) Gravitation Programme - Language in Interaction Consortium (2017 - 2022)

Multimodal and pragmatic alignment in dialogue

Anita Slonimska (copromoter with Dr. Olga Capirci, CNR Italy) (external PhD student at CLS)- Manuscript submitted Funded by DCOMM Grant, the European Union's Horizon 2020 research innovation programme under the Marie Skłodowska-Curie Actions Grant

Communicative efficiency shaping iconicity and simultaneity in sign language: The case of Italian Sign Language

Sho Akamine IMPRS PhD Student (MPI funded) with Prof. Antje Meyer and Dr. Mark Dingemans

- Supervised 14 Master students in CNS Master Language and Communication Track, MA Linguistics and Research Master Language and Communication and several interns (including Erasmus plus) and lab rotation students within RU, Europe and abroad

Collaborators (past and present)

- Prof. Aylin Kuntay (Koç University, Istanbul and Utrecht University)
- Prof. Susan Goldin Meadow (University of Chicago, USA)
- Prof. Harold Bekkering (Donders Institute for Brain, Cognition and Behaviour)
- Prof. Ole Jensen (University of Birmingham, UK)
- Prof. Ivan Toni (Donders Center for Cognitive Neuroimaging)
- Prof. Pamela Perniss (University of Cologne, Germany)
- Prof. Spencer Kelly (University of Colgate, USA)
- Prof. Peter Hagoort (Max Planck Institute for Psycholinguistics and Donders Center for Cognitive Neuroimaging)
- Dr. Judith Holler ((Donders Institute for Brain, Cognition and Behaviour)
- Prof. Sotaro Kita (University of Warwick, UK)
- Prof. Dedre Gentner (Northwestern University, USA)
- Prof. Annie Senghas (Columbia University, Teachers College, USA)
- Prof. Karen Emmorey (State University of San Diego, USA)
- Dr. Gerardo Ortega (University of Birmingham, UK)
- Dr. David Peeters (Tilburg University)
- Dr. Tilbe Goksun (Koç University, Istanbul)
- Prof. Asifa Majid (York University, UK)
- Dr. Kazuki Sekine (Waseda University, Tokyo)

- Dr. Ercenur Unal (Ozyegin University, Istanbul)
- Dr. Olga Capirci (CNR Rome)
- Dr. Paula Rubio-Fernandez (University of Oslo)
- Dr. Mark Dingemanse (Radboud University)
- Prof. Antje Meyer (MPI)
- Dr. Laura Speed (Radboud University)