

List of Publications

**A. Articles in peer-reviewed journals**

In press

542. Eichner, C., Paquette, M., Müller-Axt, C., Bock, C., Gräßle, T., Jaeger, C., Kirilina, E., Lipp, I., EBC Brain Sourcing Consortium, Morawski, M., Weiskopf, N., Wittig, R.M., Crockford, C., Friederici, A.D. & Anwander, A. (in press).

Detailed mapping of the complex fiber structure and white matter pathways of the chimpanzee brain. *Nature Methods*.

2024

541. Amunts, K., Axer, M., Bitsch, L., Bjaalie, J.G., Brauner P., Brovelli, A., Calarco, N., Caspers, S., Charvet, C., Cichon, S., Cools, R., Changeux, J.-P., Costantini, I., D'Angelo, E., De Bonis, G., Deco, G., DeFelipe, J., Destexhe, A., Dickscheid, T., Diesmann, M., Duqué, J., Düzel, E., Eickhoff, S.B., Gaute E., Eke, D., Engel, A.K., Evans, A.C., Evers, K., Fousek, J., Friederici, A.D., ... & Zaborszky, L. (2024).

The coming decade of digital brain research: A vision for neuroscience at the intersection of technology and computing. *Imaging Neuroscience*, 2, 1-35. doi: 10.1162/imag\_a\_00137

540. Eichner, C., Berger, P., Klein, C.C. & Friederici, A.D. (2024).

Lateralization of dorsal fiber tract targeting Broca's area concurs with language skills during development. *Progress in Neurobiology*, 236, 102602. doi: 10.1016/j.pneurobio.2024.102602

539. Friederici, A.D., Wittig, R.M., Anwander, A., Eichner, C., Gräßle, T., Jäger, C., Kirilina, E., Lipp, I., Dux, A., Edwards, L., Girard-Buttoz, C., Jauch, A., Kopp, K.S., Paquette, M., Pine, K., Unwin, S., Haun, D.B.M., Leendertz, F.H., McElreath, R., Morawski, M., Gunz, P., Weiskopf, N., Crockford C. & EBC consortium (2024).

Brain structure and function: A multidisciplinary pipeline to study hominoid brain evolution. *Frontiers in Integrative Neuroscience*, 17:1299087. doi: 10.3389/fnint.2023.1299087.

538. Mueller, J.L., Weyers, I., Friederici, A.D. & Männel, C. (2024).

Individual differences in auditory perception predict learning of non-adjacent tone sequences in 3-year-olds. *Frontiers in Human Neuroscience*, 18:1358380. doi: 10.3389/fnhum.2024.1358380

537. Papitto, G., Friederici, A.D. & Zaccarella, E. (2024).

Distinct neural mechanisms for action access and execution in the human brain: insights from an fMRI study. *Cerebral Cortex*, 34(4), bhae163. doi: 10.1093/cercor/bhae163

536. Wei, X., Gunter, T.C., Adamson, H., Schwendemann, M., Friederici, A.D., Goucha, T., & Anwander, A. (2024).

White matter plasticity during second language learning within and across hemispheres. *PNAS*, 121(2), e2306286121. doi: 10.1073/pnas.2306286121

535. Wu, J., Cheng, Y., Qu, X., Kang, T., Cai, Y., Wang, P., Zaccarella, E., Friederici, A.D., Hartwigsen, G. & Chen, L. (2024).

Continuous theta-burst stimulation on the left posterior inferior frontal gyrus perturbs complex syntactic processing stability in Mandarin Chinese. *Neurobiology of Language*. [https://doi.org/10.1162/nol\\_a\\_00140](https://doi.org/10.1162/nol_a_00140)

534. **Bortolato, T., Friederici, A.D., Girard-Buttoz, C., Wittig, R.M., & Crockford, C. (2023).** Chimpanzees show the capacity to communicate about concomitant daily life events. *iScience*, 26, 108090. <https://doi.org/10.1016/j.isci.2023.108090>
533. **Chen, L., Gao, C., Li, Z., Zaccarella, E., Friederici, A.D. & Feng, L. (2023).** Frontotemporal effective connectivity revealed a language-general syntactic network for Mandarin Chinese. *Journal of Neurolinguistics*, 66, 101127. doi:10.1016 /j.jneuroling.2023.101127
532. **Cheung, V.K.M., Harrison, P.M.C., Koelsch, S., Pearce, M.T., Friederici, A.D. & Meyer, L. (2023).** Cognitive and sensory expectations independently shape musical expectancy and pleasure. *Philosophical Transactions of the Royal Society B*, 379: 20220420. doi: 10.1098/rstb.2022.0420.
531. **Friederici, A.D. (2023).** Evolutionary neuroanatomical expansion of Broca's region serving a human-specific function. *Trends in Neuroscience*, 46(10), 786-796. doi: 10.1016/j.tins.2023.07.004
530. **Gallardo, G., Eichner C., Sherwood, C.C., Hopkins, W.D., Anwander, A. & Friederici, A.D. (2023).** Morphological evolution of language-relevant brain areas. *Plos Biology*, 21(9): e3002266. <https://doi.org/10.1371/journal.pbio.3002266>
529. **Graessner, A., Duchow, C., Zaccarella, E., Friederici, A.D., Obrig, H. & Hartwigsen, G. (2023).** Electrophysiological correlates of basic semantic composition in people with aphasia. *NeuroImage: Clinical*, 40: 103516. <https://doi.org/10.1016/j.nicl.2023.103516>
528. **Gräßle, T., Crockford, C., Eichner, C., Girard-Buttoz, C., Jäger, C., Kirilina, E., Lipp, I., EBC Brain Sourcing Consortium, Düx, A., Edwards, L., Jauch, A., Kopp, K.S., Paquette, M., Pine, K., Haun, D.B.M., McElreath, R., Anwander, A., Gunz, P., Morawski, M., Friederici, A.D., Weiskopf, N., Leendertz, F.H. & Wittig, R. (2023).** Sourcing high tissue quality brains from deceased wild primates with known socio-ecology. *Methods in Ecology & Evolution*, 14(8), 1906-1924. doi: 10.1111/2041-210X.14039
527. **Krause, C.D., Fengler, A., Pino, D., Sehm, B., Friederici, A.D. & Obrig, H. (2023).** The role of left temporo-parietal and inferior frontal cortex in comprehending syntactically complex sentences: A brain stimulation study. *Neuropsychologia*, 180, 108465. doi: 10.1016/j.neuropsychologia.2022.108465
526. **Liu, Y., Gao, C., Peng, W., Friederici, A.D., Zaccarella, E. & Chen, L. (2023).** Exploring the neurobiology of Merge at a basic level: Insights from a novel artificial grammar paradigm. *Frontiers in Psychology*, 14:1151518. doi:10.3389/fpsyg.2023.1151518
525. **Schaadt, G., Werwach, A., Obrig, H., Friederici, A.D. & Männel, C. (2023).** Maturation of consonant perception, but not vowel perception, predicts lexical skills at 12 months. *Child Development*, 00, 1-15. doi: 10.1111/cdev.13892
524. **Schroen, J.A.M., Gunter, T.C., Numssen, O., Kroczeck, L.O.H., Hartwigsen, G. & Friederici, A.D. (2023).** Causal evidence for a coordinated temporal interplay within the language network. *PNAS*, 120(47): e2306279120. <https://doi.org/10.1073/pnas.2306279120>

523. **van der Burght, C.L., Friederici, A.D., Maran, M., Papitto, G., Pyatigorskaya, E., Schroën, J.A.M., Trettenbrein, P.C. & Zaccarella, E. (2023).**  
Cleaning up the brickyard: How theory and methodology shape experiments in cognitive neuroscience of language. *Journal of Cognitive Neuroscience*. doi: 10.1162/jocn\_a\_02058
522. **Wei, X., Adamson, H., Schwendemann, M., Goucha, T., Friederici, A.D. & Anwander, A. (2023).**  
Native language differences in the structural connectome of the human brain. *NeuroImage*, 119955. doi: 10.1016/j.neuroimage.2023.119955

## 2022

521. **Berger, P., Friederici, A.D. & Grosse Wiesmann, C. (2022).**  
Maturational indices of the cognitive control network are associated with inhibitory control in early childhood. *The Journal of Neuroscience*, 42(32) 6258-6266.
520. **Friedrich, M., Mölle, M., Born, J. & Friederici, A.D. (2022).**  
Memory for non-adjacent dependencies in the first year of life: Sleep changes the nature of representation. *Nature Communications*. doi: 10.1038/s41467-022-35558-x
519. **Girard-Buttoz, C., Zaccarella, E., Bortolato, T., Friederici, A.D., Wittig, R.M. & Crockford, C. (2022).** Chimpanzees produce vocal sequences with ordered and recombinatorial properties. *Communications Biology*, 5:410. doi:10.1038/s42003-022-03350-8
518. **Klein, C.C., Berger, P., Goucha, T., Friederici, A.D. & Grosse Wiesmann, C. (2022).**  
Children's syntax is supported by the maturation of BA44 at 4 years, but of the posterior STS at 3 years of age. *Cerebral Cortex*, bhac430. doi: 10.1093/cercor/bhac430
517. **Maran, M., Friederici, A.D. & Zaccarella, E. (2022).**  
Syntax through the looking glass: A review on two-word linguistic processing across behavioral, neuroimaging and neurostimulation studies. *Neuroscience and Biobehavioral Reviews*, 142, 104881. doi: 10.1016/j.neubiorev.2022.104881
516. **Papadimitriou, C.H. & Friederici, A.D. (2022).**  
Bridging the gap between neurons and cognition through assemblies of neurons. *Neural Computation*, 34(2), 291–306. doi: 10.1162/neco\_a\_01463
515. **Sánchez, S.M., Schmidt, H., Gallardo, G., Anwander, A., Brauer, J., Friederici, A.D. & Knösche, T.R. (2022).**  
White matter brain structure predicts language performance and learning success. *Human Brain Mapping*, 1-11. doi: 10.1002/hbm.26132
514. **Schell, M., Friederici, A.D. & Zaccarella, E. (2022).**  
Neural classification maps for distinct word combinations in Broca's area. *Frontiers in Human Neuroscience*. doi: 10.3389/fnhum.2022.930849
513. **Wang, P., He, Y., Maess, B., Yue, J., Chen, L., Brauer, J., Friederici, A.D. & Knösche, T.R. (2022).**  
Alpha power during task performance predicts individual language comprehension. *NeuroImage*, 260, 119449. doi: 10.1016/j.neuroimage.2022.119449 .
512. **Werwach, A., Männel, C., Obrig, H., Friederici, A.D. & Schaadt, G. (2022).**  
Longitudinal trajectories of electrophysiological mismatch responses in infant speech discrimination differ across speech features. *Developmental Cognitive Neuroscience*, 56: 101127. doi: 10.1016/j.dcn.2022.101127

511. **Chen, L., Goucha, T., Männel, C., Friederici, A.D. & Zaccarella, E.** (2021). Hierarchical syntactic processing is beyond mere associating: fMRI evidence from a novel artificial grammar. *Human Brain Mapping*, 42(10), 3253–3268. doi: 10.1002/hbm.25432
510. **Chien, P.-J., Friederici, A.D., Hartwigsen, G. & Sammler, D.** (2021). Intonation processing increases task-specific fronto-temporal connectivity in tonal language speakers. *Human Brain Mapping*, 42, 161–174. doi: 10.1002/hbm.25214
509. **Graessner, A., Zaccarella, E., Friederici, A.D., Obrig, H. & Hartwigsen, G.** (2021). Dissociable contributions of frontal and temporal brain regions to basic semantic composition. *Brain Communications*, 3(2), fcab090. doi: 10.1093/braincomms/fcab090.
508. **Kuhl, U., Sobotta, S., Legascreen Consortium\*, & Skeide, M.A.** (2021). Mathematical learning deficits originate in early childhood from atypical development of a frontoparietal brain network. *PLoS Biology*, 19(9): e3001407. doi: 10.1371/journal.pbio.3001407 (\*Friederici, A.D. is member of the LEGASCREEN Consortium)
507. **Marimon, M., Hofmann, A., Veríssimo, J., Männel, C., Friederici, A.D., Höhle, B. & Wartenburger, I.** (2021). Children’s learning of non-adjacent dependencies using a web-based computer game setting. *Frontiers in Psychology*, 12:734877. doi: 10.3389/fpsyg.2021.734877
506. **Paul, M., Männel, C., van der Kant, A., Mueller, J.L., Höhle, B., Wartenburger, I. & Friederici, A.D.** (2021). Gradual development of non-adjacent dependency learning during early childhood. *Developmental Science*, 50:100975. doi: 10.1016/j.dcn.2021.100975
505. **Qi, T., Schaadt, G. & Friederici, A.D.** (2021). Associated functional network development and language abilities in children. *NeuroImage*. doi: 10.1016/j.neuroimage.2021.118452
504. **van der Burght, C.L., Friederici, A.D., Goucha, T. & Hartwigsen, G.** (2021). Pitch accents differentially establish syntactic and semantic expectations during sentence processing. *Cognition*, 212. doi: 10.1016/j.cognition.2021.104702
503. **Wang, P., Knösche, T.R., Chen, L., Brauer, J., Friederici, A.D. & Maess, B.** (2021). Functional brain plasticity during L1 training on complex sentences: changes in gamma-band oscillatory activity. *Human Brain Mapping*. doi: 10.1002/hbm.25470
502. **Zaccarella, E., Papitto, G. & Friederici, A.D.** (2021). Language and action in Broca’s area: Computational differentiation and cortical segregation. *Brain and Cognition*, 147: 105651.

501. **Balezeau, F., Wilson, B., Gallardo, G., Dick, F., Hopkins, W., Anwender, A., Friederici, A.D., Griffiths, T.D. & Petkov, C.I.** (2020). Primate auditory prototype in the evolution of the arcuate fasciculus. *Nature Neuroscience*, 23(5), 611-614. doi: 10.1038/s41593-020-0623-9

500. Chien, P.-J., Friederici, A.D., Hartwigsen, G. & Sammler, D. (2020). Neural correlates of intonation and lexical tone in tonal and non-tonal language speakers. *Human Brain Mapping*, 41(7), 1842-1858.
499. Eichner, C., Paquett, M., Mildner, T., Schlumm, T., Pléh, K., Samuni, L., Crockford, C., Wittig, R.M., Jäger, C., Möller, H.E., Friederici, A.D. & Anwender, A. (2020). Increased sensitivity and signal-to-noise ratio in diffusion-weighted MRI using multi-echo acquisitions. *NeuroImage*, 221:117172. doi: 10.1016/j.neuroimage.2020.117172
498. Enge, A., Friederici, A.D. & Skeide, M.A. (2020). A meta-analysis of fMRI studies of language comprehension in children. *NeuroImage*, 215: 116858. doi: 10.1016/j.neuroimage.2020.116858.
497. Ekerdt, C.E.M., Kühn, C., Anwender, A., Brauer, J. & Friederici, A.D. (2020). Word learning reveals white matter plasticity in preschool children. *Brain Structure and Function*, 225(2), 607-619.
496. Finkl, T., Hahne, A., Friederici, A.D., Gerber, J., Mürbe, D. & Anwender, A. (2020). Language without speech: segregating distinct circuits in the human brain. *Cerebral Cortex*, 30(2), 812-823.
495. Friederici, A.D. (2020). Hierarchy processing in human neurobiology: How specific is it? *Philosophical Transactions of the Royal Society B*, 375(1789): 20180391. doi: 10.1098/rstb.2018.0391.
494. Friedrich, M., Mölle, M., Friederici, A.D. & Knoesche, T.R. (2020). Sleep-dependent memory consolidation in infants protects new episodic memories from existing semantic memories. *Nature Communications*, 11(1):1298. doi: 10.1038/s41467-020-14850-8
493. Grosse Wiesmann, C., Friederici, A.D., Steinbeis, N. & Singer, T. (2020). Two systems for thinking about other's thoughts in the developing brain. *PNAS*, 117(2), 6928-6935.
492. Kuhl, U., Friederici, A.D., LEGASCREEN consortium\* & Skeide, M.A. (2020). Early cortical surface plasticity relates to basic mathematical learning. *NeuroImage*, 204: 116235. doi: 10.1016/j.neuroimage.2019.116235 (\*Friederici, A.D. is also a member of the LEGASCREEN Consortium)
491. Kuhl, U., Neef, N., Kraft, I., Schaadt, G., Dörr, L., Brauer, J., Czepezauer, I., Müller, B., Wilcke, A., Kirsten, H., Emmrich, F., Boltze, J., Friederici, A.D. & Skeide, M.A. (2020). The emergence of dyslexia in the developing brain. *NeuroImage*, 211: 116633. doi: 10.1016/j.neuroimage.2020.116633
490. Liebig, J., LEGASCREEN Consortium, Friederici, A.D. & Neef, N.E. (2020). Auditory brainstem measures and genotyping boost the prediction of literacy: A longitudinal study on early markers of dyslexia. *Developmental Cognitive Neuroscience*, 46. doi: 10.1016/j.dcn.2020.100869
489. Papitto, G., Friederici, A.D. & Zaccarella, E. (2020). The topographical organization of motor processing: An ALE meta-analysis on six action domains and the relevance of Broca's region. *NeuroImage*. doi: 10.1016/j.neuroimage.2019.116321

488. **Schaadt, G., Paul, M., Muralikrishnan, R., Männel, C. & Friederici, A.D.** (2020). Seven-year-olds recall non-adjacent dependencies after overnight retention. *Neurobiology of Learning and Memory*, 171: 107225.
487. **Skeide, M.A., Wehrmann, K., Emami, Z., Kirsten, H., Hartmann, A.M., Rujescu, D. & Legascreen Consortium\*** (2020). Neurobiological origins of individual differences in mathematical ability. *PLoS Biology*, 18(10): e3000871. doi: 10.1371/journal.pbio.3000871 (\*Friederici, A.D. is member of the LEGASCREEN Consortium)
486. **Trettenbrein, P.C., Papitto, G., Friederici, A.D. & Zaccarella, E.** (2020). Functional neuroanatomy of language without speech: An ALE meta-analysis of sign language. *Human Brain Mapping*, 42(3), 699-712. doi: 10.1002/hbm.25254
485. **van der Kant, A., Männel, C., Paul, M., Friederici, A.D., Höhle, B. & Wartenburger, I.** (2020). Linguistic and non-linguistic non-adjacent dependency learning in early development. *Developmental Cognitive Neuroscience*, 45: 100819. doi: 10.1016/j.dcn.2020.

## 2019

484. **Beese, C., Vassileiou, B., Friederici, A.D. & Meyer, L.** (2019). Age differences in encoding-related alpha power reflect sentence comprehension difficulties. *Frontiers of Aging Neuroscience*, 11:183. doi.org/10.3389/fnagi.2019.00183
483. **Beese, C., Werkle-Bergner, M., Lindenberger, U., Friederici, A.D. & Meyer, L.** (2019). Adult age differences in the benefit of syntactic and semantic constraints for sentence processing. *Psychology and Aging*, 34(1), 43-55.
482. **Cafiero, R., Brauer, J., Anwander, A. & Friederici, A.D.** (2019). The concurrence of cortical surface area expansion and white matter myelination in human brain development. *Cerebral Cortex*, 29(2), 827-837.
481. **Friedrich, M., Mölle, M., Friederici, A.D. & Born, J.** (2019). The reciprocal relation between sleep and memory in infancy: Memory-dependent adjustment of sleep spindles and spindle-dependent improvement of memories. *Developmental Science*, 22(2): e12743. doi: 10.1111/desc.12743
480. **Hahn, G., Skeide, M., Mantini, D., Ganzetti, M., Destexhe, A., Friederici, A.D. & Deco, G.** (2019). A new computational approach to estimate whole-brain effective connectivity from functional and structural MRI, applied to language development. *Scientific Reports*, 9: 8479. doi: 10.1038/s41598-019-44909-6
479. **Jeon, H.-A., Kuhl, U. & Friederici, A.D.** (2019). Mathematical expertise modulates the architecture of dorsal and cortico-thalamic white matter tracts. *Scientific Reports*, 9:6825. doi: 10.1038/s41598-019-43400-6
478. **Kroczeq, L.O.H, Gunter, T.C., Rysop, A.U., Friederici, A.D. & Hartwigsen, G.** (2019). Contributions of left frontal and temporal cortex to sentence comprehension: Evidence from simultaneous TMS-EEG. *Cortex*, 115, 86-98.
477. **Mamashli, F., Khan, S., Obleser, J., Friederici, A.D. & Maess, B.** (2019). Oscillatory dynamics of cortical functional connections in semantic prediction. *Human Brain Mapping*, 40(6), 1856-1866.

476. **Mueller, J.L., Friederici, A.D. & Männel, C.** (2019). Developmental changes in automatic rule-learning mechanisms across early childhood. *Developmental Science*, 22(1), e12700. doi: 10.1111/desc.12700
475. **Qi, T., Schaadt, G., Cafiero, R., Skeide, M.A., Brauer, J. & Friederici, A.D.** (2019). The emergence of long-range language network structural covariance and language abilities. *NeuroImage*, 191, 36-48.
474. **Qi, T., Schaadt, G. & Friederici, A.D.** (2019). Cortical thickness lateralization and its relation to language abilities in children. *Developmental Cognitive Neuroscience*, 39:100704. doi: 10.1016/j.dcn.2019.100704
473. **Regel, S., Opitz, A., Müller, G. & Friederici, A.D.** (2019). Processing inflectional morphology: ERP evidence for decomposition of complex words according to the affix structure. *Cortex*, 116, 143-153.
472. **Strotseva-Feinschmidt, A., Schipke, C.S., Gunter, T.C., Brauer, J. & Friederici, A.D.** (2019). Young children's sentence comprehension: Neural correlates of syntax-semantic competition. *Brain and Cognition*, 116, 143-153.
471. **van der Burght, C.L., Goucha, T., Friederici, A.D., Kreitewolf, J. & Hartwigsen, G.** (2019). Intonation guides sentence processing in the left inferior frontal gyrus. *Cortex*, 117, 122-134.
470. **Wu, C.-Y., Zaccarella, E. & Friederici, A.D.** (2019). Universal neural basis of structure building evidenced by network modulations emerging from Broca's area: The case of Chinese. *Human Brain Mapping*, 40(6), 1705-1717.

## 2018

469. **Cheung, V.K.M., Meyer, L., Friederici, A.D. & Koelsch, S.** (2018). The right inferior frontal gyrus processes nested non-local dependencies in music. *Scientific Reports*, 8: 3822. doi:10.1038/s41598-018-22144-9
468. **Friederici, A.D.** (2018). The neural basis for human syntax: Broca's area and beyond. *Current Opinion in Behavioral Sciences*, 21, 88-92.
467. **Grosse Wiesmann, C., Friederici, A.D., Disla, D., Steinbeis, N. & Singer, T.** (2018). Longitudinal evidence for 4-year-olds' but not 2- and 3-year-olds' false belief-related action anticipation. *Cognitive Development*, 46, 58-68.
466. **Müller, B., Boltze, J., Czepezauer, I., Hesse, V., LEGASCREEN Consortium\*, Wilcke, A. & Kirsten, H.** (2018). Dyslexia risk variant rs600753 is linked with dyslexia-specific differential allelic expression of *DYX1C1*. *Genetics and Molecular Biology*, 41(1), 41-49. (\*Friederici, A.D. is member of the LEGASCREEN Consortium)
465. **Neef, N.E., Anwender, A., Bütfering, C., Schmidt-Samoa, C., Friederici, A.D., Paulus, W. & Sommer, M.** (2018). Structural connectivity of right frontal hyperactive areas scales with stuttering severity. *Brain*, 141(1), 191-204.

464. Sammler, D., Cunitz, K., Gierhan, S.M.E., Anwander, A., Adermann, J., Meixensberger, J. & Friederici, A.D. (2018). White matter pathways for prosodic structure building: A case study. *Brain and Language*, 183, 1-10.
463. Skeide, M.A., Bazin, P.-L., Trampel, R., Schäfer, A., Männel, C., von Kriegstein, K. & Friederici, A.D. (2018). Hypermyelination of the left auditory cortex in developmental dyslexia. *Neurology*, 90(6), e492-e497.
462. Vassileiou, B., Meyer, L., Beese, C. & Friederici, A.D. (2018). Alignment of alpha-band desynchronization with syntactic structure predicts successful sentence comprehension. *NeuroImage*, 175, 286-296.
461. Vavatzanidis, N., Mürbe, D., Friederici, A.D. & Hahne, A. (2018). Establishing a mental lexicon with cochlear implants: an ERP study with young children. *Scientific Reports*, 8: 910. doi:10.1038/s41598-017-18852-3.
460. Winkler, M., Mueller, J.L., Friederici, A.D. & Männel, C. (2018). Infant cognition includes the potentially human-unique ability to encode embedding. *Science Advances*, 4(11): eaar8334. doi: 10.1126/sciadv.aar8334.

## 2017

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458. Bonhage, C.E., Meyer, L., Gruber, T., Friederici, A.D. & Mueller, J.L. (2017). Oscillatory EEG dynamics underlying automatic chunking during sentence processing. *NeuroImage*, 152, 647-657.
457. Friederici, A.D. (2017). Evolution of the neural language network. *Psychonomic Bulletin and Review*, 24(1), 41-47.
456. Friederici, A.D. (2017). Neurobiology of syntax as the core of human language. *Biolinguistics*, 11, SI: 325-337.
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Implicit and explicit false belief development in preschool children. *Developmental Science*, 20(5): e12445. doi: 10.1111/desc.12445
450. **Grosse Wiesmann, C., Schreiber, J., Singer, T. Steinbeis, N. & Friederici, A.D.** (2017).  
White matter maturation is associated with the emergence of Theory of Mind in early childhood. *Nature Communications*, 8:14692. doi: 10.1038/ncomms14692.
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