

Curriculum Vitae

Prof. Dr. Sonja A. Kotz Cimon

Contact

Maastricht University
Faculty of Psychology & Neuroscience
Department of Neuropsychology &
Psychopharmacology
P.O. Box 616
6200 MD Maastricht
The Netherlands
Tel: +31 43 3881653
Fax: +31 43 3884560
Email: sonja.cimon@gmail.com
Web: <https://band-lab.com>

Academic Qualifications

- | | |
|------|---|
| 2006 | University of Leipzig, Germany: Doctor Rerum Naturalium Habilitatus (Psychology) |
| 1996 | Tufts University, USA: Ph.D. (Psychology) |
| 1991 | Tufts University, USA: M.Sc. (Psychology) |
| 1986 | University of Tübingen, Germany: M.A. (Psycholinguistics, Literary, and Political Sciences) |

Professional Experiences

- | | |
|-------------|---|
| 2017 - | Research Associate/Guest Researcher
Department of Neuropsychology, Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany |
| 2015 - | Chair in Neuropsychology and Translational Cognitive Neuroscience
Head of Section: Neuropsychology
Department of Neuropsychology and Psychopharmacology
Maastricht University, Maastricht, The Netherlands |
| 2014 - 2017 | Research Associate
Université de Montpellier, EuroMov Center, Movement to Health (M2H) laboratory, Montpellier, France |
| 2013 - 2015 | Head of Section: Cognitive Neuroscience & Experimental Psychology, School of Psychological Sciences, University of Manchester, Manchester, United Kingdom |
| 2012 - 2015 | Chair in Cognitive and Affective Neurosciences, School of Psychological Sciences, University of Manchester, Manchester, United Kingdom |

- 1996 - 2016 Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany:
 2012 – 2016: Research Professor
 2007 – 2011: Max Planck Minerva Research Professor
 2000 – 2006: Tenured Senior Research Scientist
 1996 – 2000: Research Scientist
- 1996 - University of Leipzig, Faculty of Biological Sciences, Pharmacy and Psychology, Leipzig, Germany:
 2010 – : Honorary Professor
 1996 – 2009: Reader
- 1997 – 2004 German Society of Neuropsychology:
 Reader
- 1989 – 1996 Tufts University, Department of Psychology, USA:
 1992 – 1996: Lecturer
 1989 – 1996: Research Assistant
- 1987 – 1988 Children's Hospital, Boston, USA:
 Research Fellow
- 1987 – 1996 Tufts University, Department of German and Asian Languages, USA:
 1987 – 1996: Senior Lecturer
 1992 – 1996: Reader
- 1986 – 1987 University of Tübingen, Dept. of Linguistics, Germany:
 Research Assistant

Research Expertise

Cognitive, Affective, & Translational Neuroscience

- Verbal and non-verbal (social) communication
- Time and rhythm perception
- Predictive coding in auditory, visual, and multimodal emotion perception
- Cognitive and affective control
- Learning and neuroplasticity

Methods

- s/fMRT (3 and 7T); Parcellation, VBM, Lesion-Symptom Mapping, Connectivity, Multivariate pattern classification
- M/EEG and TFA
- Integration of neuroimaging methods (EEG/fMRI; EEG/Lesion mapping)

Awards, Fellowships & Professional Recognitions

- 2019 - 2020 Fellowship of the Comisión Nacional de Investigación Científica y Tecnológica de Chile (Conicyt) - PCI Programa de Cooperación I Internacional, Universidad de Valparaíso, Chile
- 2017 – 2019 Visiting Professor in Neuroscience and Psychology
 University of Glasgow, Institute of Neuroscience and Psychology
 Glasgow, United Kingdom

- 2018 – Honorary Professor, Faculty of Psychology, University of Lisbon (FPUL) Lisbon, Portugal
- 2017 – Associated Member of the International Laboratory for Brain, Music, and Sound Research (BRAMS) Montreal, Canada
- 2015 – Honorary Chair in Cognitive and Affective Neuroscience, Division of Neuroscience and Experimental Psychology, University of Manchester, United Kingdom
- 2015 – Research Fellow, Georgetown University, Department of Neuroscience, Laboratory of Integrative Neuroscience and Cognition, Washington D.C., USA
- 2010 – Honorary Professor in Experimental Psychology, University of Leipzig, Germany
- 2007 – 2012 Max Planck Society Award: "Excellence Support for Female Scientists - Minerva Program"; supported the leading of an independent senior research group: "Neurocognition of Rhythm in Communication"
- 1996 Dissertation Award, Dean of the Graduate School, Tufts University, Medford, Massachusetts, USA
- 1994 – 1996 Yearly Conference Awards, Dean of the Graduate School and Department of Psychology, Tufts University, Medford, Massachusetts, USA
- 1989 – 1991 Yearly Conference Awards, Dean of the Graduate School and Department of Psychology, Tufts University, Medford, Massachusetts, USA
- 1988 – 1996 Ph.D. Fellowship, Dean of the Graduate School, Tufts University, Medford, Massachusetts, USA

Professional Advancements

- 2008 Reading University, Department of Psychology, Chair in Psychology (Declined)
- 2008 Free University of Berlin, Languages of Emotion Cluster, Professor in Psychology (Secundo Loco)
- 2011 Trinity College Dublin, Dept. of Psychology, Chair in Psychology (Secundo Loco)
- 2012 Basque Center for Cognition, Brain and Language, Senior Research Scientist (Declined)
- 2013 Chair in Neuro- and Psycholinguistics, University of Salzburg (Declined)

Grants

- 2003 – 2006 German Research Foundation (DFG): Interdisciplinary Research Group: "Emotion in acoustic communication"; PI: "*Perception of emotional prosody in the cortico-striatal network: fMRI and ERP investigations of healthy and patient populations*" (€101.000).
- 2004 – 2007 DFG International Science Network "*The structure of the left periphery in Germanic languages: CP- and IP-related elements in normal and impaired language*": Network participant (€300.000).
- 2006 – 2009 DFG Graduate School "On the Function of Attention in Cognitive Processes"; PI: "*Executive control and emotion*" (€84.000)
- 2006 – 2009 DFG Grant extension: Interdisciplinary Research Group: "Emotion in acoustic communication"; PI: "*Perception of emotional prosody in the cortico-striatal network: fMRI and ERP investigations of healthy and patient populations*" (€210.000).
- 2006 – 2011 Canadian Institutes of Health Research; Co-PI with PI Marc Pell, School of Communication Sciences & Disorders, McGill University, Montréal, Canada: "*Effects of Parkinson's disease on communication and language perception*" (CAN\$ 410.000).
- 2008 – 2010 Berlin Excellence Cluster "Languages of Emotion"; PI with Co-PIs: Martin von Koppenfels University of Bielefeld, Germany), Winfried Menninghaus (Free University of Berlin, Germany): "*Aesthetic evaluation of metered language in poetry*" (€151.600).
- 2008 – 2009 Berlin Excellence Cluster "Languages of Emotion"; Co-PI with PIs Lars Kuschinke and Artur Jacobs (Free University of Berlin, Germany): "*Processing of emotional prosody in Asperger Syndrome*" (€11.000).
- 2010 – 2013 EU-FP7 Initial Training Network Grant (238157): "Europe, Brain, and Music: New perspectives for stimulating cognitive and sensory processes (EBRAMUS); PI: "*Speech and music rhythm – what is the common denominator?*" and Co-PI with PI Peter Keller (Max Planck Junior Research Group: Music Cognition and Action, Leipzig, Germany) and Co-PI with Simone Dalla Bella (University of Finance and Management in Warsaw, Department of Cognitive Psychology, Warsaw, Poland): "*Compensation of speech and motor behavior – the role of rhythm*" (€256.000).
- 2009 – 2014 DFG Graduate School "On the Function of Attention in Cognitive Processes", University of Leipzig, Germany; PI: (1) "*Joint emotional attention*" and (2) "*The impact of emotion on attention*" (€168.000).
- 2009 – 2013 European Concerted Research Action designated as COST Action 2009: Network Participant: "*Time In Mental Activity: theoretical, behavioral, bioimaging, and clinical Perspectives*" (TIMELY) (€350.000).
- 2010 – 2013 Berlin Excellence Cluster "Languages of Emotion"; Co-PI with PIs Markus Conrad and Oliver Lubrich (Free University of Berlin, Germany): "*On the role of sound physiognomy in language processing and artistic speech production*" (€154.000).
- 2011 – 2013 Extension Grant Canadian Institutes of Health Research; Co-PI with PI Marc Pell, School of Communication Sciences & Disorders, McGill University, Montréal, Canada: "*Effects of Parkinson's disease on communication and*

language perception" (CAN\$ 150.000).

- 2011 – 2014 DFG-Agence national de recherche (ANR); PI with Co-PI Michel Hoen, CNRS, Lyon, France: "*On the origins of grammar: from structural complexity in auditory sequences to syntactic structure*" (€204.000).
- 2012 – 2015 Fundação para a Ciência e a Tecnologia (FCT); Co-PI with PI Ana Pinheiro, University of Minho, Portugal: "*Examining abnormalities in auditory emotional processing in schizophrenia: an electrophysiological investigation with high-risk, early-stage and chronic patients*" (PTDC/MHN-PCN/3606/2012; €76.932).
- 2013 – 2015 National Science Foundation (NSF); Co-PI with PI Cyrille Magne, Middle Tennessee State University, USA: "*Examining Neural Markers of Implicit Speech Rhythm during Silent Reading*" (US\$121.339).
- 2014 University of Manchester Faculty of Medical and Human Sciences - *Capital Bids Award* to build up an EEG center (£830.000).
- 2014 – 2015 Feder Compétitivité Regionale et Emploi France sud; Co-PI with PI Dr. Simone Dalla Bella, EuroMov Center and Université de Montpellier, France: "*Online implementation of BAASTA- Battery for the Assessment of Auditory Sensorimotor and Timing Abilities*" (€219.000).
- 2014 – 2015 Medical Research Council Confidence in Concept (MRC-CiC) Award; PI with Co-PIs Ellen Poliakoff, Tim Coots, Allan Ramsey, Simon Harper, Caroline Jay, & Ira Leroi, University of Manchester, United Kingdom: "*Towards a mobile health device for day-to-day behavioral monitoring of Parkinson's Disease*" (£113.000).
- 2014 – 2017 President's Award International PhD Studentship, University of Manchester, United Kingdom; "*The role of subcortical structures in multimodal emotion processing*" (£101.000).
- 2014 – 2017 Erasmus Mundus Student Exchange Network: *Auditory Cognitive Neuroscience* (ACN) funded by the European Commission; Co-PI with Coordinators Rudolf RübSamen, University of Leipzig, Germany & Marc Schönwiesner, McGill University, Montréal, Canada (€1.450.000).
- 2015 Scientific Exchange Fellowship – Erasmus Mundus program: *Auditory Cognitive Neuroscience* (€7.000).
- 2015 – 2016 Medical Research Council Proximity to Discovery (MRC-P2D) Award – Industry secondment scheme; PI with Co-PIs Ellen Poliakoff, Simon Harper, Tim Coots, & Allan Ramsey, University of Manchester, UK "*Development of a smartphone app for monitoring Parkinson's disease progression*" (£53. 000)
- 2015 – 2018 Biotechnology and Biological Science Research Council (BBSRC); PI with PI Pascal Belin and Co-PIs Joachim Gross, Philipp Schyns, Bruno Giardano, Emilia Salvia, University of Glasgow, UK; Nickolaus Kriegeskorte, MRC-CBU, Cambridge, UK; Stefano Panzeri, University of Trento, Italy, & Didier Grandjean, University of Geneva, Switzerland: "*Neural representation of voice emotion*" (own amount £93.000).
- 2016 – 2017 British Academy grant – funded Mentor to PI Dr. Rachel Smith, University of Glasgow, UK "*Investigating natural connected speech rhythm using EEG*" (£4.000).

- 2016 – 2019 FCT & COMPETE H2020; Co-PI with PI Ana Pineiro, University of Minho, Portugal and Co-PI Michael Schwartz, Maastricht University, The Netherlands: *“I predict, therefore I do not hallucinate: a new protocol for testing the neurocognitive underpinnings of auditory hallucinations”* (€194.000).
- 2016 – 2018 EU – MARIE SKŁODOWSKA-CURIE ACTIONS – PI on incoming individual fellowship of Rachel Brown, McGill University, Montréal, Canada. *“Forming temporal expectancies: Subcortical structures in sensory and sensorimotor temporal learning across the lifespan”*. (€165.599).
- 2016 – 2018 EU – MARIE SKŁODOWSKA-CURIE ACTIONS – PI on incoming individual fellowship of Emmanuel Biau, Pompei Fabro, Barcelona, Spain. *“Audiovisual speech segmentation and oscillations”*. (€165.599).
- 2016 – 2018 EU – MARIE SKŁODOWSKA-CURIE ACTIONS – PI on incoming individual fellowship of Nelson Trujillo-Baretto, University of Manchester, Manchester, United Kingdom. *“Brain State Dynamics”*. (€177.599).
- 2017 – 2019 SATT AXER (FRANCE) – Co-PI with PI Simone Dalla Bella, EuroMov Center, Montpellier, France. *“YourRhythm – Evaluation and training of rhythmic skills”*. (€500.000).
- 2016 SEO incentive, Maastricht University, The Netherlands in support of a cooperative EU action, coordination Maastricht University; PEARL – *“Program Enhancing Resilience in Adolescence for Life”* (€10.000).
- 2017 – 2019 Bial Foundation – Co-PI with PI Ana Pinheiro, University of Lisbon, Portugal and Co-PI Michael Schwartz, Maastricht University, The Netherlands. *“When prediction errs: Examining the brain dynamics of altered saliency in self-voice perception”* (€29.500).
- 2018 – 2020 EU – MARIE SKŁODOWSKA-CURIE ACTIONS – PI on incoming individual fellowship of Katerina Danae Kandylaki, Imperial College, London, United Kingdom *“The Neurobiology of rhythm effects of musical expertise on natural speech comprehension”* (€165.598).
- 2018 - 2020 Programa de Cooperación Internacional de CONICYT, la Universidad de Valparaíso, Chile: Código MEC80180080 – PIs Wael El-Derdy, la Facultad de Ingeniería, la Universidad de Valparaíso, Chile & Sonja Kotz, Department of Neuropsychology and Psychopharmacology, Maastricht University, The Netherlands. *“Detección de la dinámica de microestados cerebrales en la enfermedad de parkinson y su relación con los síntomas clínicos”* (€18.000).
- 2019 NIAS Lorentz Workshop 2019 – Coordinator with Andrea Ravignani, Sealcenter Pieterbouren, Groningen, Netherlands, Henkjan Honig, University of Amsterdam, Netherlands, Patrica Blackwell, The Australian National University, Australia, & Michael Greenfield, CNRS, Tours, France *“Synchrony and interactive rhythms: Group timing behaviors from neurons to ecology”*. (€25.000).
- 2019 - 2023 NWO-SGW open call grant – PI *“Motor-auditory oscillatory coupling in human beat- and rhythm perception”*. (€766.000).
- 2020 – 2024 FWO grant collaborator – PI Bart de Boer (Vrije Universiteit Brussel, Belgium) *“Interactive vocal rhythms”*. (€387.598)

2020 - 2022 EU – MARIE SKŁODOWSKA-CURIE ACTIONS – PI on incoming individual fellowship of Tjeerd Boonstra, Maastricht University, NL, “POSTURENET”. (€186.000).

Administration

- 2019 – Board of Governance, Italian Institute of Technology, Genoa, Italy
- 2019 – Board of Examiners MSc Program ‘Brain and Mind Science’, University College London, London, UK
- 2019 – President and board member of the Society for the Neurobiology of Language (SNL)
- 2018 – Chair of the Faculty of Psychology and Neuroscience Research Council, Maastricht University, The Netherlands
- 2018 NWO research panel member for replication studies
- 2018 – Chair-elect and board member of the Society for the Neurobiology of Language (SNL)
- 2018 – SH Chair of the ERC Synergy Grant Scheme
- 2018 – External advisory board member at Centro de Investigação e Intervenção Social (CIS-IUL), Instituto Universitário de Lisboa (ISCTE), Lisbon, Portugal
- 2017 – Advising professor for the Studienstiftung des Deutschen Volkes at Maastricht University
- 2017 Chair-elect of the ERC Synergy Grant Scheme
- 2016 Nederlandse Organisatie voor Wetenschappelijk Onderzoek (NWO) research panel member of Top Talent scheme
- 2016 SH4 Chair of the ERC qualitative evaluation of completed STG, COG, and Advanced Grant (AdG) projects
- 2016 – External advisory board member of the Institute of Language Communication and the Brain (ILCB) and Brain & Language Research Institute (BLRI) LPL-CNRS & Université d’Aix-Marseille, France
- 2016 – 2018 President of the European Society for Cognitive and Affective Neuroscience (ESCAN)
- 2015 –2017 Research Panel Chair, Academy of Finland, Cognitive Neuroscience Section
- 2015 – 2018 Advisory board member of the Faculty of Psychology and Neuroscience Research Council, Maastricht University, The Netherlands
- 2014 – 2017 Board member of the Erasmus Mundus Student Exchange Network in Auditory Cognitive Neuroscience
- 2014 – 2016 President-elect of the European Society for Cognitive and Affective Neuroscience (ESCAN)
- 2014 – 2016 SH 4 Chair of the ERC Starter Grant Scheme

- 2013 – 2016 External advisory board member of the EU-FP7 funded project “*Beat Health*” EuroMov Center, Montpellier, France
- 2013 – 2016 Board member of the Society for the Neurobiology of Language (SNL)
- 2012 – 2018 Board member of the European Society for Cognitive and Affective Neuroscience (ESCAN)
- 2012 – 2014 Research panel chair and member, Academy of Finland, Cognitive Neuroscience Section
- 2012 – 2014 Research panel member, Danish Academy of Sciences, Cognitive Neuroscience Section
- 2012 – 2015 Research panel member, Semaphore (FRS-FNRS), Fund for Scientific Research, Belgium
- 2012 – 2016 External advisory board member of the Brain and Language Research Institute (BRLI) & Université d’Aix-Marseille, France
- 2011 – 2012 Society for the Neurobiology of Language (SNL), Chair and Chair-Elect, nomination committee
- 2011 – 2014 Board member of the Erasmus Mundus Student Exchange Network in Auditory Neuroscience
- 2011 Founding member of the European Society for Cognitive and Affective Neuroscience (ESCAN)
- 2010 – 2016 SH4 panel member of the European Research Council (ERC) Starter (STG) and Consolidator Grant (COG) Scheme –*The Human Mind and its complexity*
- 2008 – 2013 Member of IT commission at the MPI for Human Cognitive and Brain Sciences, Leipzig, Germany
- 2008 – 2016 Conceptualization, realization, and coordination of the module "Verbal Communication" of the International Max Planck Research School (IMPRS), MPI for Human Cognitive and Brain Sciences, Leipzig, Germany
- 2006 – 2008 Consultant for the development of early bilingual day care education, Leipzig, Germany
- 2000 – 2007 Deputy of Angela D. Friederici, Director of the Department of Neuropsychology, MPI for Human Cognitive and Brain Sciences, Leipzig, Germany
- 1996 – 2016 Representation of the MPI for Human Cognitive and Brain Sciences, Leipzig, Germany (Neuropsychology) and research interests on public local radio, national radio and TV, in newspapers as well as at local science fairs

Editorial Experience

- 2019 - Editorial Board: Neurobiology of Language
- 2015 - Editorial Board: *Frontiers in Emotion Science*; *Frontiers in Auditory Neuroscience*

- 2014 – Editorial Board: *Time and Time Perception Reviews*
- 2014 – Editorial Board: *Cortex*
- 2013 – Editorial Board: *PLoS ONE*
- 2010 – Editorial Board: *Frontiers in Language Sciences, Frontiers in Psychology*
- 2012 – 2018 Editorial Board: *Applied Psycholinguistics*
- 2007 – 2014 Editorial Board: *The Open Applied Linguistics Journal*
- 2004 – Editorial Board: *Neuroimage*

Commission of Trust

Journals:

Affective and Behavioural Neuroscience, Acta Psychologica, Biological Psychology, Biological Psychiatry, BMC Neuroscience, Brain, Brain and Behavioural Sciences, Brain and Cognition, Brain and Language, Clinical Linguistics and Phonology, Clinical Neurophysiology, Cognition, Cognitive, Affective, and Behavioural Neuroscience, Cognitive Brain Research, Cognitive and Behavioural Neurology, Cognitive Linguistics, Cerebral Cortex, Cortex, Current Biology, Developmental Science, Emotion, Experimental Psychology, Frontiers Journals, Human Brain Mapping, International Journal of Psychophysiology, Journal of Cognitive Neuroscience, Journal of Memory and Language, Journal of Neurolinguistics, Journal of Neuroscience, Journal of Psycholinguistic Research, Nature, Nature Neuroscience, Neurobiology of Aging, NeuroImage, Neuron, Neuropsychologia, Neuroscience Letters, Perceptual and Motor Skills, Psychophysiology, PLoS Biology, PLoS Medicine, PLoS One, Science, Scientific Reports; Social Neuroscience, Proceedings of the National Academy of Sciences, Quarterly Journal of Experimental Psychology.

Scientific Organizations:

German Science Foundation (DFG); Carl-Zeiss-Foundation, Germany; The Netherlands Organization for Scientific Research (NWO); Research Foundation-Flanders, Belgium (FOW); Medical Research Council, UK; The Wellcome Trust, UK; Economic and Social Research Council (ESRC), UK; Biotechnology and Biological Science Research Council (BBSRC), UK; Swiss Science Foundation (SSF); National Science Foundation (NSF); Canadian Agencies (CIHR; FQRSC; SSHRC); Israel Science Foundation (ISF); Danish Council for Independent Research (DCIR); The Leverhulme Trust, Hungarian Science Research Fund (OTKA); Agence National de la Recherche (ANR), France; Fund for Scientific Research (FNRS), Belgium.

Professional promotion committees:

- 2019 Shirley-Ann Rüschemeyer, Faculty of Psychology, University of York, UK (Reader)
- 2018 Arjan Blockland, Faculty of Psychology and Neuroscience, Maastricht University, Netherlands (Promotion to Personal Chair in Comparative Neuroscience)
- 2018 Benjamin Kreifelts, Medizinische Fakultät, Eberhard Karls Universität Tübingen, Germany (Habilitation)
- 2017 Milene Bonte, Faculty of Psychology and Neuroscience, Maastricht University, Netherlands (Promotion to full professor)
- 2017 Anne Roefs, Faculty of Psychology and Neuroscience, Maastricht University, Netherlands (Promotion to Personal Chair in Cognitive Psychology and Neuroscience of Food disorders)
- 2017 John Iversen, Institute for Neural Computation at the University of California, USA

(Tenure)
 2017 Jonathan Peelle, University of Washington, St.Louis, Missouri, USA (Associate Professor)
 2017 Caroline Palmer, McGill University, Montreal, Canada (Canada Research Chair in Cognitive Neuroscience and Performance, Tier 1)
 2016 Jessica Grahn, Western University, London, Ontario, Canada (Tenure)
 2016 John Iversen, Institute for Neural Computation at the University of California, USA (Tenure)
 2016 Jennifer Coull, University Aix-Provence, Marseille, France (Habilitation)
 2016 Emily Cross, Bangor University, Bangor, UK (Full Professor)
 2015 Laurence Casini, University Aix-Provence, Marseille, France (Habilitation)
 2015 Edward Large, University of Connecticut, Mansfield, USA (Promotion)
 2015 Nicole Wetzell, University of Leipzig, Leipzig, Germany (Habilitation)
 2015 Jonas Obleser, University of Leipzig, Leipzig, Germany (Habilitation)
 2014 Durk Talsma, Ghent University, Ghent, Belgium (Associate Professor)
 2014 Julie Peron, University of Geneva, Geneva, Switzerland (Promotion)
 2012 Cyrille Magne, Middle Tennessee State University, Murfreesboro, USA (Tenure)
 2009 Karsten Steinhauer, McGill University, Montreal, Canada (Chair Tier 2).

Dissertation committees:

Since 2004 approximately 100 committee member contributions (evaluations, defenses) of PhDs across Europe, North America, and Australia

Professional Mentorships

2017 - Member of the Lifebrain project gender initiative, University of Oslo, Norway
 2017 - 2019 Dr. Nicole Angenstein, Leibnitz-Institut für Neurobiologie, Magdeburg, Germany (Leibnitz-Mentoring Program)
 2015 - 2017 Dr. Deborah Talmi, University of Manchester, Manchester, UK
 2015 - Dr. Luca Ticini, University of Manchester, UK
 2015 - Dr. Bo Yao, University of Manchester, UK
 2011 - 2014 Dr. Juliane Mühlhaus, Universitätsklinikum Aachen (RWTH Aachen Tandem Programm)

Affiliations

Cognitive Neuroscience Society
 European Society for Cognitive and Affective Neuroscience
 Germany Society for Neuroscience
 International Society for Women in Cognitive Neuroscience
 Society for the Neurobiology of Language
 Society for Neuroscience

Journal Articles

Forthcoming

1. *Amorin, M., Anikin, A., Mendes, A.J., Lima, C.F., **Kotz, S.A.**, & Pinheiro, A.P. Changes in Vocal Emotion Recognition Across the Life Span. *Emotion*.
2. Pinheiro, A.P., Schwartz, M., & **Kotz, S.A.** Real and imagined sensory feedback have comparable effects on action anticipation. *Cortex*.
3. *Schwartz, M., *Brown, R., *Biau, E., & **Kotz, S.A.** Timing the „magical number seven“: Effects of temporal structure on working memory. *Journal of International Psychology*. doi: 10.1002/ijop.12588.
4. Whiting, C.M., Giordano, B.L., **Kotz, S.A.**, Gross, J., & Belin, P. The perception of emotion in caricatured vocalisations. *Cognition*.

2020

5. *Duggirala, S.X., *Schwartz, M., Pinheiro, A.P., & **Kotz, S.A.** (2020). Emotion and cognitive control interface along the psychosis continuum: a critical review. *International Journal of Psychophysiology*, 147, 156-175. doi: 10.1016/j.ijpsycho.2019.11.004.
6. *Schwartz, M., & **Kotz, S.A.** (2020). Decreased sensitivity to changing durational parameters of monosyllabic speech sequences in people who stutter. *Language, Cognition, & Neuroscience*, 35 (2), 179-187. doi.org/10.1080/23273798.2019.1642499
7. *Zinchenko, A., **Kotz, S.A.**, Schröger, E., & Kanske, P. (2020). Moving towards dynamics: emotional modulation of cognitive and emotional control. *International Journal of Psychophysiology*, 147, 193-201. doi:10.1016/j.ijpsycho.2019.10.018.

2019

8. *Belyk, M., *Schultz, B.G., Correia, J., Beal, D.S., & **Kotz, S.A.** (2019). Whistling shares a common tongue with speech: Bioacoustics from real-time MRI of the human vocal tract. *Royal Society Open Science*, 286: 20191116. dx.doi.org/10.1098/rspb.2019.1116
9. *Devos, J.V.P., Smit, J.V., Ackermans, L., *Schwartz, M., **Kotz, S.A.**, Temel, Y., & Janssen, M.L.F. (2019). Deep brain stimulation for refractory tinnitus. *ClinicalTrials.gov*
10. Harding, E.E., Sammler, D., Henry, M., Large, E., **Kotz, S.A.** (2019). Cortical tracking of temporal structure differs in music and speech. *NeuroImage*, 185, 96-101. doi:10.1016/j.neuroimage.2018.10.037
11. *Harding, E. E., Sammler, D., & **Kotz, S.A.** (2019). Individual differences and pragmatic strategy in German relative clause attachment. *Frontiers in Psychology – Language Science*, 10:1357. doi: 10.3389/fpsyg.2019.01357
12. *Jarret, T., *Stockert, A., **Kotz, S.A.**[#], & Tillmann, B.[#] #shared senior authorship. (2019). Implicit learning of artificial grammatical structures after inferior frontal cortex lesions. *PLoS ONE*, 4(9):e0222385. doi: 10.1371/journal.pone.0222385

13. *Johnson, J.F., *Belyk, M., *Schwartz, M., Pinheiro, A.P., & **Kotz, S.A.** (2019). The role of the cerebellum in adaptation: ALE meta-analyses on sensory feedback error. *Human Brain Mapping, 40*(13), 3966-3981. doi: 10.1002/hbm.24681.
14. *Knolle, F., Schröger, E., *Schwartz, M., & **Kotz, S.A.** (2019). Auditory predictions and prediction errors to self-initiated vowels. *Frontiers in Neuroscience, 13*:1146. doi: 10.3389/fnins.2019.01146
15. **Kotz, S.A.** (2019). Multimodal emotion perception: Implications for art appreciation. In *Le jeu et la règle* (Eds. Françoise Lavocat, Catherine Courtet, Mireille Besson, & Alain Viala). @CNRS Editions.
16. Pauligk, S., **Kotz, S.A.**, & Kanske, P. (2019). Differential Impact of Emotion on Semantic Processing of Abstract and Concrete Words: ERP and fMRI Evidence. *Scientific Reports, 9*(1): 14439. Doi:10.1038/s41531-019-0092-6
17. Pinheiro, A.P., *Schwartz, M., Gutierrez, F., & **Kotz, S.A.** (2019). When temporal prediction errs: ERP responses to delayed action-feedback onset. *Neuropsychologia, 134*, doi: 10.1016/j.neuropsychologia.2019.107200
18. Pinheiro, A.P., Fernandes, A.F., Roberto, M.S. & **Kotz, S.A.** (2019). Self-voice perception and its relationship with hallucination predisposition. *Cognitive Neuropsychiatry, 24*(4), 234-255. doi: 10.1080/13546805.2019.1621159
19. Puyjarinet, F., Begel, V., Geny, C., Cuartero, M-C., **Kotz, S.A.**, Pinto, S., & Dalla Bella, S. (2019). Heightened orofacial, manual, and gait variability in Parkinson's disease results from a general rhythmic impairment. *NPJ Parkinson's Disease, 5*:19. doi.org/10.1038/s41531-019-0092-6
20. Ravnani, A, Kello, C., de Reus, K., **Kotz, S.A.**, Dalla Bella, S., Méndez Aróstegui, M., Rapado-Tamarit, B., Rubio-Garcia, A., & de Boer, B. (2019). Ontogeny of vocal rhythms in harbour seal pups. *Current Zoology, 65*(1), 107-120. doi: 10.1093/cz/zoy55.
21. Ravnani, A., Dalla Bella, S., Falk, S., Kello, C., Noriega Romero Vargas, M.F., & **Kotz, S.A.** (2019). Rhythm in speech and animal vocalizations: a cross-species perspective. *Annals of the New York Academy of Sciences, 1451*(1):79-89. doi: 10.1111/nyas.14166
22. *Tavano, A., Schröger, E., & **Kotz, S.A.** (2019). Flexible encoding of event probability in the human brain by Beta 1 power (15-19 Hz). *PLoS ONE, 14*(9): e0222420. [https://doi.org/ 10.1371/journal.pone.0222420](https://doi.org/10.1371/journal.pone.0222420)
23. *Trauer, S., Müller, M.J., & **Kotz, S.A.** (2019). Expectation gates neural facilitation of emotional words in early visual areas. *Frontiers in Human Neuroscience, 13*, 281. doi: 10.3389/fnhum.2019.00281.
24. *Verga, L. & **Kotz, S.A.** (2019). Putting language back into ecological communication context. *Language, Cognition, and Neuroscience, 34*(4), 536-544. doi: 10.1080/23273798.2018.1506886.
25. *Verga, L. & **Kotz, S.A.** (2019). Visuo-spatial attention underpins social word learning in the right fronto-parietal network. *Neuroimage, 195*, 165-173. [doi:10.1016/j.neuroimage.2019.03.071](https://doi.org/10.1016/j.neuroimage.2019.03.071).

26. Virhia, J., **Kotz, S.A.**, & Adank, P. (2019). Emotional State Dependence Facilitates Automatic Imitation of Visual Speech. *Quarterly Journal of Experimental Psychology*, 72(12), 2833-2847. doi: 10.1177/1747021819867856.

2018

27. Bégel, V. #, Verga, L.#, Benoit, C-E., **Kotz, S.A.**, & Dalla Bella S. (2018). Test-retest reliability of the Battery for the Assessment of Auditory Sensorimotor and Timing Abilities (BAASTA). #shared first authorship. *Annals Physical and Rehabilitation Medicine*, 61(6), 395-400.
28. *Belyk, M., *Johnson, J.F., **Kotz, S.A.** (2018). Poor neuro-motor tuning of the human larynx: Comparison of sung and whistled pitch imitation. *Royal Society Open Science*, 5: 171544.
29. *Belyk, M., *Johnson, J.F., **Kotz, S.A.** (2018). Why you're better at whistling than singing. *The Conversation*, May 1.
30. *Biau, E., & **Kotz, S.A.** (2018). Lower beta: a central coordinator of temporal prediction in multimodal speech. *Frontiers in Human Neuroscience*, 12:434. doi: 10.3389/fnhum.2018.00434.
31. Chronaki, G., Wigelsworth, M., Pell, M.D., & **Kotz, S.A.** (2018). The development of cross-cultural recognition of emotion during childhood and adolescence. *Scientific Reports*. 8(1):8659. doi: 10.1038/s41598-018-26889-1.
32. Garrido-Vasquez, P., Pell, M.D., Paulmann, S., & **Kotz, S.A.** (2018). How dynamic facial expressions prime the processing of emotional prosody. *Frontiers in Human Neuroscience*, 12:244. Doi: 10.3389/fnhum.2018.00244.
33. **Kotz, S.A.**, Ravignani, A., & Fitch, W.T. (2018). The evolution of rhythm processing. *Trends in Cognitive Science*, 22(10), 896-910. doi.org/10.1016/j.tics.2018.08.002.
34. *Kube, J., Mather, D., Horstmann, A., **Kotz, S.A.**, Villringer, A., & Neumann, J. (2018). Altered monetary loss processing and reinforcement-based learning in individuals with obesity. *Brain Imaging and Behaviour*, 12, 1431-1449.
35. *Marzecová, A., Schettino, A., Widman, A., SanMiguel I., **Kotz, S.A.**, & Schröger, E. (2018). Is attentional gain modulated by perceptual expectations? ERP evidence from a spatial cueing task. *Scientific Reports*, 8(1):54. doi: 10.1038/s41598-017-18347-1.
36. Pinheiro, A.P., Schwartze, M., & **Kotz, S.A.** (2018). Voice-selective prediction alterations in nonclinical voice hearers. *Scientific Reports*. 8:14717. DOI:10.1038/s41598-018-32614-9.
37. Schwartz, R., Rothermich, K., **Kotz, S.A.**, & Pell, M.D. (2018). Unaltered emotional experience in Parkinson's disease: Pupillometry and behavioral evidence. *Journal of Experimental and Clinical Neuropsychology*, 40:3, 303-316. DOI: [10.1080/13803395.2017.1343802](https://doi.org/10.1080/13803395.2017.1343802).
38. Vega, J., Couth, S., Poliakoff, E., **Kotz, S.A.**, Sullivan, M., Jay, C., Vigo, M., & Harper, S. (2018). Back to Analogue: Self-Reporting for Parkinson's Disease Progression. *ACM Proceedings - CHI 2018 April 21–26, 2018, Montreal, QC, Canada*. doi.org/10.1145/3173574.3173648.

39. *Zinchenko.A., Kanske, P., *Obermeier, C., Schröger, E., Villringer, A., & **Kotz, S.A.** (2018). Modulation of cognitive and emotional control in age-related mild-to-moderate hearing loss. *Frontiers in Neurology: Applied Neuroimaging*, 9:783. doi: 10.3389/fneur.2018.00783.

2017

40. Alkemade, A., de Hollander G., Keuken, M.C., Ott, D., Schwarz, J., Weise, D., Schäfer, A., Forstmann, B.#, & **Kotz, S.A.#** (2017). Comparison of T2* and QSM contrasts in Parkinson's disease to visualize the STN with MRI. #shared senior authorship. *PLoS ONE*, 12(4): e0176130. doi: 10.1371/journal.pone.0176130.
41. Bégel, V., *Benoit, C.-E., Correa, A., Cutanda, D, **Kotz, S.A.** & Dalla Bella, S. (2017). Moving to the beat despite poor beat perception. *Neuropsychologia*, 94, 129-138.
42. *Belyk, M. Brown, S., Lim, J., & **Kotz, S.A.** (2017). Convergences of semantics and emotion expressions in the IFG pars orbitalis. *NeuroImage*, 156, 240-248.
43. *Belyk, M., Brown, S., & **Kotz, S.A.** (2017). Demonstration and validation of kernel density estimation (KDE) for spatial meta-analyses of neuroimaging data. *Data in Brief*, 13, 346-352.
44. Bestelmeyer, P.E.G., **Kotz, S.A.**, & Belin, P. (2017). Effects of emotional valence and arousal on the voice perception network. *Social Cognitive and Affective Neuroscience*, 12(8), 1351-1358.
45. Dalla Bella, S., *Benoit, C.-E., *Farrugia, N., Keller, P., Obrig, H., Mainka, S., **Kotz, S.A.** (2017). Gait improvement via rhythmic stimulation in Parkinson's disease is linked to rhythmic skills. *Scientific Reports*, 7: 42005. doi:10.1038/srep42005.
46. Dalla Bella, S., *Farrugia, N., *Benoit, C-E., Bégel V., *Verga, L., *Harding, E., & **Kotz, S.A.** (2017). BAASTA: A Battery for the Assessment of Auditory Sensorimotor and Timing Abilities. *Behavioral Research Methods*, 49(3), 1128-1145.
47. *Kokinous, J., Tavano, A., **Kotz, S.A.**, & Schröger, E. (2017). Audiovisual facilitation during the perception of dynamic emotion expressions: The role of spatial frequencies. *Biological Psychology*, 123, 155-165.
48. *Marzecova, A., San Miguel, I., Wiedmann, A., **Kotz, S.A.**, & Schroeger, E. (2017). The time course of the interaction between attention and prediction: an ERP study on the effects of task-relevance and stimulus probability. *Biological Psychology*, 125, 76-90.
49. *Mestres-Mise, A, Trampe, R., Turner, R., & **Kotz, S.A.** (2017). Uncertainty and expectancy deviations require cortico-subcortical cooperation. *NeuroImage*, 144, 23-34.
50. Nozaradan, S., *Schwartz, M., *Obermeier, C., & **Kotz, S.A.** (2017). Specific contributions of basal ganglia and cerebellum to the neural tracking of rhythms. *Cortex*, 95, 156-168.

51. Pinheiro, A.P., Dias, M., Pedrosa, J., *Obermeier, C. & **Kotz, S.A.** (2017). Are happy vocalizations better change detectors of the human voice? *Cortex*, 92, 233-248.
52. Pinheiro, A.P., Barros, C., Dias, M. & **Kotz, S.A.** (2017). Laughter catches attention. *Biological Psychology*, 130, 11-21.
53. Ravnani, A., Honing, H., & **Kotz, S.A.** (2017). The evolution of rhythm cognition: Timing in music and speech. *Frontiers in Human Neuroscience*, 11, 303. doi: 10.3389/fnhum.2017.00303.
54. Regel, S., **Kotz, S.A.**, Henseler, I., & Friederici, A.D. (2017). On the function of the left inferior frontal cortex in morphosyntactic processing: ERP evidence from left-hemisphere damaged patients. *Cortex*, 86, 156-171.
55. Scheuermann, M., *Hasting, A.S., Zimmermann, E., & **Kotz, S.A.** (2017). Human novelty response to emotional animal vocalizations: Effects of phylogeny and familiarity. *Frontiers in Behavioral Neuroscience*, 11:204. doi: 10.3389/fnbeh.2017.0020.
56. Ticini L.F., Urgesi C., & **Kotz S.A.** (2017). Modulating mimetic preference with theta burst stimulation of the inferior parietal cortex. *Frontiers in Emotion Science*, 8:2101. doi: 10.3389.
57. *Verga, L. & **Kotz, S.A.** (2017). Help me if I can't: Social interaction effects in contextual adult word learning. *Cognition*, 168, 76-90.
58. *Zinchenko., A., *Obermeier, C., Kanske, P., Schröger, E., & **Kotz, S.A.** (2017). Positive emotion and goal-directed behavior: ERP evidence on cognitive and emotional conflict. *Cognitive, Affective, & Behavioral Neuroscience*, 17(3), 665-677.
59. *Zinchenko, A., Kanske, P., *Obermeier, C., Schröger, E., Villringer, A., & **Kotz, S.A.** (2017). Negative emotion modulates cognitive and emotional control: ERP evidence on healthy aging. *Frontiers in Aging Psychology*, 9:349. doi: 10.3389/fnai.2017.00349/fpsyg.2017.02101.

2016

60. Frühholz, S., Trost, W.J., & **Kotz, S.A.** (2016). A unifying neural network model for affective sound processing. *Neuroscience and Biobehavioral Reviews*, 68, 68-96.
61. *Garrido-Vásquez, P., Pell, M.D., Paulmann, S., Sehm, B., & **Kotz, S.A.** (2016). Impaired structural processing of dynamic faces in left-onset Parkinson's disease. *Neuropsychologia*, 82, 123-133.
62. **Kotz, S.A.**, *Brown, R.M., & *Schwartz, M. (2016). Cortico-striatal circuits and the timing of action and perception. *Current Opinion in Behavioral Sciences*, 8, 42-45.
63. **Kotz, S.A.**[‡], *Obermeier, C.[‡], *Raettig, T., *Jessen, S., von Koppenfels, M., & Menninghaus, W. (2016). Aesthetic appreciation of poetry correlates with ease of processing in ERPs. *Cognitive, Affective, and Behavioral Neuroscience*, 16(2), 362-373. [‡]shared first authorship

64. Meck, W.H., Ivry, R.B., Wiener, M., Kanai, R., Tsilionis, E., Vatakis, A., Coull, J.F., Vidal, F., Burle, B., Merchant, H., Yarrow, K., Raghavan, R.T., Prevosto, V., Sommer, M.A., Linares, D., Cos, D., Roseboom, W., **Kotz, S.A.** et al., (2016). Time in Perception and Action, *Animal Research*, 5, 147-152.
65. *Mestres-Misse, A., Trampel, R., Turner, R., & **Kotz, S.A.** (2016). In favour of general probability distributions: Lateral prefrontal and insular cortices respond to stimulus inherent but irrelevant differences. *Brain Structure and Function*, 221(3), 1781-1786.
66. Mitchell, R.L., Jazdyk, A., Stets, M., & **Kotz, S.A.** (2016). How to express emotions through prosody: Further characterization with fMRI. *Frontiers in Human Neuroscience*, 10: 518. doi: 10.3389/fnhum.2016.00518.
67. Ravnani A., Fitch, W.T., Hanke, F.D., Heinrich, T., Hurgitsch, B., **Kotz, S.A.**, Scharff, C., Stoeger, A.S., & de Boer, B. (2016). What pinnipeds have to say about human speech, music, and the evolution of rhythm. *Frontiers in Human Neuroscience*, 10:274. doi:10.3389/fnins.2016.00274.
68. *Schwartz, M. & **Kotz, S.A.** (2016). Regional interplay for temporal processing in Parkinson's disease: Possibilities and challenges. *Frontiers in Neurology*, 6:270. doi: 10.3389/fneur.2015.00270.
69. *Schwartz, M., Keller, P. & **Kotz, S.A.** (2016). Spontaneous, synchronized, and corrective timing behavior in cerebellar lesion patients. *Behavioural Brain Research*, 312, 285-293.
70. *Schwartz, M., & **Kotz, S.A.** (2016). Cerebellar event-based temporal processing in speech perception and preparatory function to speech perception. *Brain and Language*, 161, 28-32.
71. *Symons, A., El-Deredy, W., *Schwartz, M., & **Kotz, S.A.** (2016). The functional role of neural oscillations in nonverbal emotional communication. *Frontiers in Human Neuroscience*, 10:239. doi:10.3389/fnhum.2016.00239
72. Trapp, S., Lepsien, J., **Kotz, S.A.**, Bar, M. (2016). What is likely to happen next? Neural correlates of the probability of future events. *Cognitive, Affective, and Behavioral Neuroscience*, 16, 135-144.
73. Trapp, S. & **Kotz, S.A.** (2016). Predicting affective information: An evaluation of repetition suppression effects. *Frontiers in Psychology, Emotion Science*, 7: 1365. doi:10.3389/fpsyg.2016.01365.
74. *Ullrich, S., **Kotz, S.A.**, David S. Schmidtke, Arash Aryani & Conrad, M. (2016). Phonological iconicity electrifies: An ERP study on affective sound-to-meaning correspondences in German. *Frontiers in Psychology*, 7:1200. doi: 10.3389/fpsyg.2016.01200

2015

75. Adank, P., McGettigan, C., & **Kotz, S.A.** (2015). The cognitive and neural organization of speech processing. *Frontiers in Human Neuroscience*, 9: 305. doi: 10.3389/fnhum.2015.00305.
76. Bendixen, A., *Schwartz, M., & **Kotz, S.A.** (2015). Temporal dynamics of contingency extraction from tonal and verbal auditory material. *Brain and Language*, 148, 64-73.

77. Dalla Bella, S., *Benoit, C.-E., *Farrugia, N., *Schwartz, M., & **Kotz, S.A.** (2015). Effects of auditory cuing in Parkinson's disease: beyond a motor benefit. *Annals of the New York Academy of Science*, 1337, 77- 85.
78. Gordon, R.L., Shivers, C.L., Wieland, L., **Kotz, S.A.**, Yoder, P. J., & McAuley, D. (2015). Music rhythm discrimination explains individual differences in grammar skills in children. *Developmental Science*, 18(4), 635-644.
79. *Ho, H.T., Schröger, E., & **Kotz, S.A.** (2015). Attention modulates early human evoked potentials during emotional face-voice perception. *Journal of Cognitive Neuroscience*, 27(4), 798-818.
80. *Jessen, S. & **Kotz, S.A.** (2015). Affect differentially modulates brain activation in uni- and multisensory body-voice perception. *Neuropsychologia*, 66, 134-143.
81. *Kokinous, J., **Kotz, S.A.**, *Tavano, A., Schröger, E. (2015). Early auditory emotion processing is influenced by visual context – An ERP study of face-voice perception. *Social Cognitive and Affective Neuroscience*, 10(5), 713-720.
82. **Kotz, S.A.**, Dengler, R., & Wittfoth, M. (2015). Valence specific conflict moderation in the dorso-medial PFC and the caudate head in emotional speech. *Social Cognitive and Affective Neuroscience*, 10(2), 165-171.
83. **Kotz, S.A.** & Gunter, T.C. (2015). Rhythmic cueing remediates language-related disorders in Parkinson's disease. *Annals of the New York Academy of Science*, 1337, 62-68.
84. **Kotz, S.A.** & *Schmidt-Kassow, M. (2015). Basal ganglia contribution to rule expectancy and temporal predictability in speech. *Cortex*, 68, 48-60.
85. *Max, C., Widmann, A., **Kotz, S.A.**, Schröger, E., & Wenzel, N. (2015). Distraction by emotional sounds: Disentangling arousal benefits and orienting costs. *Emotion*, 15 (4), 428-437.
86. Menninghaus, W., Bohrn, I.C., Knopp, C., **Kotz, S.A.**, Schlotz, W., & Jacobs, A.M. (2015). Rhetorical features facilitate prosodic processing while handicapping ease of semantic comprehension. *Cognition*, 143, 48-60.
87. Pell, M.D., Monetta, L., Rothermich, K., Cheang, H., **Kotz, S.A.**, & McDonald S. (2015). Social Perception in Parkinson's Disease. *Neuropsychology*, 28(6), 905-916.
88. *Roncaglia-Denissen, M.P., Schmidt-Kassow, M., Heine, A., & **Kotz, S.A.** (2015). On the impact of L2 speech rhythm in syntactic ambiguity resolution. *Second Language Research*, 31, 157-178.
89. *Roncaglia-Denissen, M.P., & **Kotz, S.A.** (2015). What does neuroimaging tell us about morphosyntactic processing in the brain of second language learners? *Bilingualism: Language and Cognition*, 1, 1-9.
90. Schröger, E., **Kotz, S.A.**, SanMiguel, I. (2015). Bridging prediction and attention in current research on perception and action. *Brain Research*, 1629, 1-13.

91. *Schwartz, M. & **Kotz, S.A.** (2015).
The timing of regular sequences: production, perception, and covariation. *Journal of Cognitive Neuroscience*, 27 (9), 1697-1707.
92. *Schwartz, M., *Stockert, A., & **Kotz, S.A.** (2015).
Sensory timing dysfunction and the basal ganglia. *Cortex*, 71, 332-340.
93. *Trauer, S., **Kotz, S.A.**, & Müller, M. (2015).
Emotional words facilitate lexical but not early visual processing. *BMC Neuroscience*, 16(1): 89.
94. Van der Steen, M.C., *Schwartz, M., **Kotz, S.A.**, Keller, P.E. (2015).
Modelling the effects of cerebellar and basal ganglia lesions on adaptation and anticipation during sensorimotor synchronization. *Annals of the New York Academy of Science*, 1337, 101-110.
95. *Verga, L., Bigand, E., & **Kotz, S.A.** (2015).
Play along: Temporal coordination in music and social interaction in adult word learning. *Frontiers in Psychology*, 6:1316. doi: 10.3389/fpsyg.2015.01316.
96. *Zinchenko, A., Kanske, P., *Obermeier, C., Schröger, E., & **Kotz, S.A.** (2015).
Emotion and goal-directed behavior: ERP evidence on cognitive and emotional conflict. *Social Cognitive and Affective Neuroscience*, 10(11), 1577- 1587.

2014

97. *Benoit, C-E., Dalla Bella, S., *Farrugia, N., Obrig, H., Mainka, S., & **Kotz, S.A.** (2014).
Musically cued gait training improves both perceptual and motor timing in Parkinson's Disease. *Frontiers in Human Neuroscience*, 8: 494 doi:10.3389/fnhum.2014.00494.
98. Ibanez, A., **Kotz, S.A.**, Barrett, L., Moll, J. & Ruz, M. (2014).
Situated affective and social neuroscience. *Frontiers in Human Neuroscience*, 8:547 doi:10.3389/fnhum.2014.00547.
99. Henseler I, Mädebach, S., **Kotz, S.A.**, & Jescheniak, J. (2014).
Modulating brain mechanisms resolving lexico-semantic interference during word production: A tDCS study. *Journal of Cognitive Neuroscience*, 26(7), 1403-1407.
100. **Kotz, S.A.**, *Stockert, A., & *Schwartz, M. (2014).
Cerebellum, temporal predictability, and the updating of a mental model. *Philosophical Transactions of the Royal Society B*, 369(1658): 20130403.
101. *Ludwig, A. A., Fuchs, M., Kruse, E., Baldauf, J., **Kotz, S.A.**, Rübsamen, R. (2014).
Mismatch of APD diagnosis and the ascertainment of central hearing disorders. *Journal of the Association for Research in Otolaryngology*, 15, 441-446.
102. *Mestres-Misse, A., & Bazin, P-L., Trampel, R, Turner, R., & **Kotz, S.A.** (2014).
Dorsomedial striatum involvement in regulating conflict between current and presumed outcomes. *NeuroImage*, 98(c), 159-167.
103. Salvia E., Bestelmeyer, P., **Kotz, S.A.**, Rousselet, G., Pernet, G., Gross, J., & Belin, P. (2014).
Single-subject analyses of magnetoencephalographic evoked responses to the acoustic properties of affective non-verbal vocalizations. *Frontiers in Neuroscience: Auditory Neuroscience*, 8:422. doi: 10.3389/fnins.2014.00422.
104. Scheumann, M., *Hasting, A.S., **Kotz, S.A.**, & Zimmermann, E. (2014).
Emotional voices across species: How do human listeners recognize affective states? *PLoS ONE*, 12;9(3):e91192.

105. *Spielmann, M.I., Schröger, E., **Kotz, S.A.**, & Bendixen, A. (2014). Attention effects on auditory scene analysis: Insights from event-related brain potentials. *Psychological Research*, 78(3), 361-378.
106. Stahl, B. & **Kotz, S.A.** (2014). Facing the music: Three issues in current research on singing and aphasia. *Frontiers in Human Neuroscience*, 5:1033 doi: 10.3389/fpsyg.2014.01033.
107. *Strauß, A., **Kotz, S.A.**, Scharinger, M. & Obleser, J. (2014). Functional dissociation of alpha and theta brain oscillations in speech processing. *NeuroImage*, 97, 387-395.

2013

108. *Garrido-Vásquez, P., Pell, M.D., Paulmann, S., Strecker, K., Schwarz, J., & **Kotz, S.A.** (2013). An ERP study of vocal emotion processing in asymmetric Parkinson's disease. *Social Cognitive and Affective Neuroscience*, 8(8), 918-927. doi: 10.1093/scan/nss094.
109. Hove, M., Fairhurst, M.T., **Kotz, S.A.**, & Keller, P. (2013). Synchronizing with auditory and visual rhythms: An fMRI assessment of modality differences and modality appropriateness. *NeuroImage*, 67, 313-321.
110. *Jakuszeit, M., **Kotz, S.A.**, & *Hasting, A.S. (2013). Generating predictions: Lesion evidence on the role of the left inferior frontal cortex in rapid syntactic analysis. *Cortex*, 49, 2861-2874. doi:10.1016/j.cortex.2013.05.014.
111. *Jessen, S., & **Kotz, S.A.** (2013). On the role of crossmodal prediction in audiovisual emotion perception. *Frontiers in Human Neuroscience*, 7:369. doi: 10.3389/fnhum.2013.00369.
112. *Knolle, F., Schröger, E., & **Kotz, S.A.** (2013). Prediction errors in self- and externally-generated deviants. *Biological Psychology*, 92(2), 410-416.
113. *Knolle, F., Schröger, E., & **Kotz, S.A.** (2013). Cerebellar contribution to the prediction of self-initiated sounds. *Cortex*. 49(9), 2449-2461.
114. **Kotz, S.A.**, Anwander, A., Axer, H., & Knösche, T.R.(2013). Beyond cytoarchitectonics: Fiber-based parcellation of the caudate nucleus refines functional cortico-subcortical loops. *PLoS ONE* 8(7): e70141.
115. **Kotz, S.A.**, Kalberlah, C., Bahlmann, J., Friederici, A.D., & Haynes, J.D. (2013). Predicting emotional vocal expressions from the human brain. *Human Brain Mapping*, 34(8),1971-81.
116. *Obermeier, C., Menninghaus., W., von Koppenfels M, *Raettig, T., *Schmidt-Kassow, M., Otterbein, S., & **Kotz, S.A.** (2013). Aesthetic and emotional effects of meter and rhyme in poetry. *Frontiers in Language Sciences*, 4:10. doi: 10.3389/fpsyg.2013.00010.
117. Paulmann, S., Bleicher, M., & **Kotz, S.A.** (2013). Valence, arousal, and task effects on emotional prosody processing. *Frontiers in Emotion*, 4:345. doi:10.3389/fpsyg.2013.00345.
118. Przybylski, L., Bedoin, N., Kifi-Papoz, S., Herbillon, V., Roch, D., Léculier, L., **Kotz, S.A.** & Tillmann, B. (2013).

Rhythmic auditory stimulation influences syntactic processing in children with developmental language disorders. *Neuropsychology*, 27(1), 121-131.

119. *Roncaglia-Denissen, Schmidt-Kassow, M., & **Kotz, S.A.** (2013). Speech rhythm facilitates syntactic ambiguity resolution: ERP evidence. *PLoS ONE*, 8(2): e56000. doi:10.1371/journal.pone.0056000.
120. *Roncaglia-Denissen, M.P., Schmidt-Kassow, M., Heine A., Vuust, P. & **Kotz, S.A.** (2013). Enhanced musical rhythm perception in Turkish early and late learners of German. *Frontiers in Psychology*, 4:645 doi: 10.3389/fpsyg.2013.00645.
121. *Rothermich, K., & **Kotz, S.A.** (2013). Predictions in speech comprehension: fMRI evidence on the meter-semantic interface. *NeuroImage*, 70, 89-100.
122. *Schwartz, M., *Farrugia, N., & **Kotz, S.A.** (2013). Dissociation of formal and temporal predictability in early auditory evoked potentials. *Neuropsychologia*, 51(2), 320-325.
123. *Schwartz, M. & **Kotz, S.A.** (2013). A dual pathway architecture of prediction in audition. *Neuroscience and Biobehavioral Reviews*, 37, 2587-2596. doi:10.1016/j.neubiorev.2013.08.005.
124. *Spielmann, M., Schröger, E., **Kotz, S.A.**, Pechmann, T., & Bendixen, A. (2013). Using a staircase procedure for the objective measurement of auditory stream integration and segregation thresholds. *Frontiers in Psychology*, 4:534. doi: 10.3389/fpsyg.2013.00534.
125. *Stahl, B., Henseler, I., Turner, R., Geyer, S., & **Kotz, S.A.** (2013). How to engage the right brain hemisphere in aphasics without even singing: evidence for two paths of speech recovery. *Frontiers in Human Neuroscience*, 7:35. doi: 10.3389/fnhum.2013.00035.
126. *Strauß, A., **Kotz, S.A.**, & Obleser, J.(2013). Narrowed expectancies under degraded speech: Revisiting the N400. *Journal of Cognitive Neuroscience*, 25(8),1383-1395.
127. *Verga, L., & **Kotz, S.A.** (2013). How relevant is social interaction in second language learning? *Frontiers in Human Neuroscience*, 7:550. doi:10.3389/fnHum.2013.00550.

2012

128. Flasskamp, A., **Kotz, S.A.**, Schlegel, U., & Skodda, S. (2012). Acceleration of syllable repetition in Parkinson's disease is more prominent in the left-side dominant patients. *Parkinsonism and Related Disorders*, 18(4), 343-347.
129. *Jessen, S., Obleser, J., & **Kotz, S.A.** (2012). How bodies and voices interact in early emotion perception. *PLoS One*, 7(4), e36070.
130. *Kanske, P., & **Kotz, S.A.** (2012). Effortful control, depression, and anxiety correlate with the influence of emotion on executive attentional control. *Biological Psychology*, 91(1), 88-95.
131. *Kanske, P., & **Kotz, S.A.** (2012). Auditory affective norms for German: Testing the influence of depression and anxiety on valence and arousal ratings. *PLoS One*, 7(1), e30086.

132. *Knolle F., Schröger, E., Baess, P., & **Kotz, S.A.** (2012). The cerebellum generates motor-to-auditory predictions: ERP lesion evidence. *Journal of Cognitive Neuroscience*, 24(3), 698-706.
133. *Ludwig, A.A., Rübtsamen R., Dörrscheidt, G.J., & **Kotz, S.A.** (2012). Age-related dissociation of sensory and decision-based auditory motion processing. *Frontiers in Human Neuroscience*, 6:64. doi: 10.3389/fnhum.2012.00064.
134. Opitz, B. & **Kotz, S.A.** (2012). Ventral premotor cortex lesions disrupt learning of sequential grammatical structures. *Cortex*, 48(6), 664-673.
135. Paulmann, S., *Jessen, S., & **Kotz, S.A.** (2012). It's special the way you say it: An ERP investigation on the temporal dynamics of two types of prosody. *Neuropsychologia*, 50(7), 1609-1620.
136. *Rothermich, K., *Schmidt-Kassow, M., & **Kotz, S.A.** (2012). Rhythm's gonna get you: Regular meter facilitates semantic sentence processing. *Neuropsychologia*, 50(2), 232-244.
137. *Schwartz, M., *Rothermich, K. & **Kotz, S.A.** (2012). Functional dissociation of the pre-SMA and SMA-proper in temporal processing. *NeuroImage*, 60(1), 290-298.
138. *Schwartz, M., *Tavano A., Schröger E. & **Kotz, S.A.** (2012). Temporal aspects of prediction in audition: Cortical and subcortical neural mechanisms. *International Journal of Psychophysiology*, 83(2), 200-207.
139. *Trauer, S.M., Andersen S.A., **Kotz, S.A.**, & Müller, M. (2012). Capture of lexical but not visual resources by task-irrelevant emotional words: A combined ERP and steady-state visual evoked potential study. *NeuroImage*, 60(1), 130-138.

2011

140. *Garrido-Vasquez, P., *Jessen, S., & **Kotz, S.A.** (2011). Perception of emotion in psychiatric disorders: on the possible role of task, dynamics, and multimodality. *Social Neuroscience*, 5-6, 515-536.
141. Hahn, C., Neuhaus, A. H., Pogun, S., Dettling, M., **Kotz, S.A.**, Hahn, E., Brüne, E., & Güntürkün, O. (2011). Smoking reduces language lateralization: A dichotic listening study with control participants and schizophrenia patients. *Brain and Cognition*, 76(2), 300-309.
142. *Jessen, S. & **Kotz, S.A.** (2011). The temporal dynamics of processing emotions from vocal, facial, and bodily expressions. *NeuroImage*, 58(2), 665-674.
143. *Kanske, P., *Plitschka, J., & **Kotz, S.A.** (2011). Orienting towards emotion: P200 and N400 effects of attentional orienting to emotional concepts. *Neuropsychologia*, 49(11), 3121-3129.
144. *Kanske, P. & **Kotz, S.A.** (2011). Cross-modal validation of the Leipzig affective norms for German (LANG). *Behavioral Research Methods*, 43(2), 409-413.

145. *Kanske, P., & **Kotz, S.A.** (2011). Emotion triggers executive attention: Amygdala responses to emotional words in a conflict task. *Human Brain Mapping, 32*(2), 198-208.
146. *Kanske, P., & **Kotz, S.A.** (2011). Positive emotion speeds up conflict processing: ERP responses in an auditory Simon task. *Biological Psychology, 87*(1), 122-127.
147. *Kanske, P. & **Kotz, S.A.** (2011). Emotion speeds up conflict resolution: A new role for the ventral anterior cingulate cortex? *Cerebral Cortex, 21*, 911-919.
148. *Kanske, P., & **Kotz, S.A.** (2011). Conflict processing is modulated by positive emotion: ERP data from a flanker task. *Behavioral Brain Research, 219*, 382-386.
149. **Kotz, S.A.** & *Paulmann, S. (2011). Emotion, Language, and the Brain. *Language and Linguistics Compass, 5*(3), 108-125.
150. **Kotz S.A.** & *Schwartz, M. (2011). Differential input of the supplementary motor area to a dedicated temporal processing network: Functional and clinical implications. *Frontiers in Integrative Neuroscience, 5*: 86. doi:10.3389/fnint.2011.00086.
151. Kuchinke, L., Schneider, D., **Kotz, S.A.**, & Jacobs, A. (2011). Spontaneous but not explicit processing of positive sentences impaired in Asperger's Syndrome: Pupillometric evidence. *Neuropsychologia, 49*(3), 331-338.
152. Obleser, J., & **Kotz, S.A.** (2011). Multiple brain electric signatures of semantic constraints in degraded speech. *NeuroImage, 55*(2), 713-723.
153. *Paulmann, S., Ott, D.V., & **Kotz, S.A.** (2011). Emotional speech perception unfolding in time: The role of the basal ganglia. *PLoS ONE, 6*(3), e176494.
154. Pell, M. D., Jaywant, A., Monetta, L., & **Kotz, S.A.** (2011). The contributions of prosody and semantic context in emotional speech processing. *Cognition & Emotion, 25*(5), 834-853.
155. Pell M.D. & **Kotz S.A.** (2011). On the Time Course of Vocal Emotion Recognition. *PLoS ONE 6*(11): e27256.
156. *Schmidt-Kassow, M., *Roncaglia-Dennison, M.P., & **Kotz, S.A.** (2011). Why pitch sensitivity matters: Event-related potential evidence of metric and syntactic violation detection among Spanish late learners of German. *Frontiers in Psychology, 2*:131. doi:10.3389/fpsyg.2011.00131.
157. *Schmidt-Kassow, M., *Rothermich, M., *Schwartz, M., & **Kotz, S.A.** (2011). Did you get the beat? Late French-German bilinguals extract strong-weak patterns in tonal but not in linguistic sequences. *NeuroImage, 54*(1), 568-576.
158. *Schwartz, M., *Rothermich, K., *Schmidt-Kassow, M., & **Kotz, S.A.** (2011). Temporal regularity on pre-attentive and attentive processing of deviance. *Biological Psychology, 87*(1), 146-151.
159. *Schwartz, M., Keller P.E., Patel A.D., & **Kotz, S.A.** (2011). The impact of basal ganglia lesions of sensorimotor synchronization, spontaneous

motor tempo and the detection of tempo changes. *Behavioural Brain Research*, 216(2), 685-691.

160. *Stahl, B., **Kotz, S.A.**, Henseler, I., Turner, R., & Geyer, S. (2011). Rhythm in disguise: Why singing may not hold the key to recovery from aphasia. *Brain*, 134, 3083-3093.

2010

161. Addis, L., Friederici A.D., **Kotz, S.A.**, Sabisch, B., Barry, J., Richter, N., Ludwig, A. Rübsem R.R., Newbury, D.F., Pääbo, S., Albrecht, F., & Monaco, A.P. (2010). A locus for an auditory processing deficit and language impairment in an extended pedigree maps to 12p13.31-q14.3. *Genes, Brain, & Behavior*, 9(6), 545-561.
162. Friederici, A.D., **Kotz, S.A.**, Scott, S.K., & Obleser, J. (2010). Disentangling syntax and intelligibility in auditory language comprehension. *Human Brain Mapping*, 31(3), 448-457.
163. *Kanske, P. & **Kotz, S.A.** (2010). Leipzig affective norms for German: A reliability study. *Behavioral Research Methods*, 42(4), 987-991.
164. *Kanske, P. & **Kotz, S.A.** (2010). Modulation of early conflict processing N200 responses to emotional words in a flanker task. *Neuropsychologia*, 48(12), 3661-3664.
165. **Kotz, S.A.**, D'Ausilio, A., *Raettig, T., Begliomini, C., Craighero, L., Fabbri-Destro, M., Zingales, C., Haggard, P., & Fadiga, L. (2010). Lexicality drives audio-motor transformations in Broca's area. *Brain and Language*, 112(1), 3-11.
166. **Kotz, S.A.** & *Schwartz, M. (2010). Cortical speech processing unplugged: A timely subcortico-cortical framework. *Trends in Cognitive Science*, 14(9), 392-399.
167. Obleser, J. & **Kotz, S.A.** (2010). Expectancy constraints in degraded speech modulate the language comprehension network. *Cerebral Cortex*, 20(3), 633-640.
168. *Paulmann, S., Seifert, S., & **Kotz, S.A.** (2010). Orbito-frontal lesions cause impairment during late but not early emotional prosodic processing. *Social Neuroscience*, 5(1), 59-75.
169. *Raettig, T., Frisch, S. Friederici, A.D., & **Kotz, S.A.** (2010). Neural correlates of morphosyntactic and verb argument structure processing: An fMRI study. *Cortex*, 46(5), 613-620.
170. *Rothermich, K., *Schmidt-Kassow, M., *Schwartz, M., & **Kotz, S.A.** (2010). Event-related potential responses to metric violations: Rules versus meaning. *NeuroReport*, 21(8), 580-584.
171. Sammler, D, **Kotz, S.A.**, Eckstein, K., Ott, D., & Friederici, A.D. (2010). Prosody meets syntax: The role of the corpus callosum. *Brain*, 133, 2643-2655.
172. *Schmidt-Kassow, M., *Kulka, A., Gunter, T.C., *Rothermich, K., & **Kotz, S.A.** (2010). Exercising during learning improves vocabulary acquisition: Behavioral and ERP evidence. *Neuroscience Letters*, 482(1), 40-44.

173. Wittfoth, M., Schroeder, C., Schardt, D.M., Dengler, R., Heinze, H.-J., & **Kotz, S.A.** (2010).
On emotional conflict: Interference resolution of happy and angry prosody reveals valence-specific effects. *Cerebral Cortex*, *20*(2), 383-392.

2009

174. **Kotz, S.A.** (2009).
A critical review of ERP and fMRI evidence on L2 syntactic processing. *Brain and Language*, *109*, 68-74.
175. **Kotz, S.A.**, Herrmann, C., & Frisch, S. (2009).
Die Verwendung ereigniskorrelierter Potentiale in der Sprachverarbeitung: Untersuchungen mit hirngesunden und hirngeschädigten Probanden. *Das Neuropsychologische Labor*, *31*, 36-46.
176. **Kotz, S.A.**, *Schwartz, M. & *Schmidt-Kassow, M. (2009).
Non-motor basal ganglia functions: A review and proposal for a neurofunctional model of sensory predictability in auditory language perception. *Cortex*, *45*(8), 982-990.
177. *Paulmann, S., Pell, M. D., & **Kotz, S.A.** (2009).
Comparative processing of emotional prosody and semantics following basal ganglia infarcts: ERP evidence of selective impairments for disgust and fear. *Brain Research*, *1295*, 159-169.
178. *Paulmann, S., *Jessen, S., & **Kotz, S.A.** (2009).
Investigating the multimodal nature of human communication insights from ERPs. *Journal of Psychophysiology*, *23*(2), 63-76.
179. Pell, M. D., Monetta, L., *Paulmann, S. & **Kotz, S.A.** (2009).
Recognizing emotions in a foreign language. *Journal of Nonverbal Behavior*, *33*, 107–120.
180. Pell, M. D., *Paulmann, S., Dara, C., Alasseri, A., & **Kotz, S.A.** (2009).
Factors in the recognition of emotional prosody: A comparison of four languages. *Journal of Phonetics*, *37*, 417- 435.
181. *Schmidt-Kassow, M., Schubotz, R.I., & **Kotz, S.A.** (2009).
Attention and Entrainment: P3b varies as a function of temporal predictability. *Neuroreport*, *20* (1), 31-36.
182. *Schmidt-Kassow, M., & **Kotz, S.A.** (2009).
Event-related brain potentials suggest a late interaction of meter and syntax in the P600. *Journal of Cognitive Neuroscience*, *21*(9), 1693-1708.
183. *Schmidt-Kassow, M., & **Kotz, S.A.** (2009).
Attention and perceptual regularity in speech. *NeuroReport*, *20*(18), 1643-1647.

2008

184. *Hasting, A, Winkler, I. & **Kotz, S.A.** (2008).
Early differential processing of verbs and nouns in the human brain as indexed by event-related brain potentials. *European Journal of Neuroscience*, *27*(6), 1561-1565.
185. *Hasting., A. & **Kotz, S.A.** (2008).
Speeding up syntax: On the relative timing and automaticity of local phrase structure

and morphosyntactic processing as reflected in event-related brain potentials. *Journal of Cognitive Neuroscience*, 20(7), 1207-1219.

186. **Kotz, S.A.**, Holcomb, P. J., & Osterhout, L. (2008). ERPs reveal comparable syntactic sentence processing in native and non-native readers of English. *Acta Psychologica*, 128, 514-527.
187. Obleser, J., Eisner, F., & **Kotz, S.A.** (2008). Bilateral speech comprehension reflects differential sensitivity to spectral and temporal features. *Journal of Neuroscience*, 28(32), 8116-8123.
188. *Paulmann, S. & **Kotz, S.A.** (2008). Early emotional prosody perception based on different speaker voices. *NeuroReport*, 19(2), 209-213.
189. *Paulmann, S. & **Kotz, S.A.** (2008). An ERP investigation on the temporal dynamics of emotional prosody and emotional semantics in pseudo- and lexical-sentence context. *Brain and Language*, 105(1), 59-69.
190. *Paulmann, S., Pell, M. D., & **Kotz, S.A.** (2008). How aging affects the recognition of emotional speech. *Brain and Language*, 104(3), 262-269.
191. *Paulmann, S., Pell, M. D., & **Kotz, S.A.** (2008). Functional contributions of the basal ganglia to emotional prosody: Evidence from ERPs. *Cognitive Brain Research*, 1217, 171-178.
192. *Raettig, T. & **Kotz, S.A.** (2008). Auditory processing of different types of pseudo-words: An event-related fMRI study. *NeuroImage*, 39(3), 1420-1428.
193. *Schmidt-Kassow, M. & **Kotz, S.A.** (2008). Entrainment of syntactic processing? ERP-responses to predictable time intervals during syntactic reanalysis. *Cognitive Brain Research*, 1226, 144-155.
194. Thierry, G. & **Kotz, S.A.** (2008). The right hemisphere fails to orient to the negative valence of visually presented words. *Neuroreport*, 19(12), 1231-1234.

2007

195. Friederici, A.D., von Cramon, Y. D., & **Kotz, S.A.** (2007). Role of the corpus callosum in speech comprehension: Interfacing syntax and prosody. *Neuron*, 53(1), 135-145.
196. *Friedrich, C. & **Kotz, S.A.** (2007). Event-related potential evidence of form and meaning coding during online speech recognition. *Journal of Cognitive Neuroscience*, 19(4), 596-604.
197. *Hasting, A., **Kotz, S.A.**, & Friederici. (2007). Setting the stage for automatic syntax processing: The mismatch negativity as an indicator of syntactic priming. *Journal of Cognitive Neuroscience*, 19(3), 386-400.
198. Hernandez, A. E., *Hofmann, J. & **Kotz, S.A.** (2007). Age of acquisition modulates neural activity for both regular and irregular syntactic functions. *NeuroImage*, 36(3), 912-23.

199. *Hofmann, J., **Kotz, S.A.**, Marschhauser, A., von Cramon, D.Y., & Friederici, A.D. (2007).
Lesion site affects grammatical gender assignment in German: Perception and production data. *Neuropsychologia*, 45(5), 954-965.
200. *Kanske, P. & **Kotz, S.A.** (2007).
Concreteness in emotional words: ERP evidence from a hemifield study. *Cognitive Brain Research*, 1148, 138-48.
201. **Kotz, S.A.**, Opitz, B., & Friederici, A.D. (2007).
ERP effects of meaningful and non-meaningful novel sound processing in anterior temporal patients. *Restorative Neurology and Neuroscience*, 25(3-4), 273-284.
202. **Kotz, S.A.** & *Paulmann S. (2007).
When emotional prosody and semantics dance cheek to cheek: ERP evidence. *Cognitive Brain Research*, 1151, 107-18.

2006

203. *Paulmann, S., Elston-Güttler, K. E., Gunter, T.C., & **Kotz, S.A.** (2006).
Is bilingual lexical access influenced by language context? *NeuroReport*, 17(7), 727-731.
204. *Schirmer, A. & **Kotz, S.A.** (2006).
Beyond the right hemisphere: Brain mechanisms mediating vocal emotional processing. *Trends in Cognitive Sciences*, 10(1), 24-30.

2005

205. Frisch, S., **Kotz, S.A.**, & Friederici, A.D. (2005).
Bildgebende Verfahren und die Verarbeitung syntaktischer Information. *Sprache, Stimme und Gehör*, 29, 121-129.
206. *Elston-Guettler, K. E., Gunter, T. C., & **Kotz, S.A.** (2005).
Zooming into L2: How language mode and context build-up affect processing of interlingual homographs in sentences. *Cognitive Brain Research*, 25, 57-70.
207. *Elston-Guettler, K. E., *Paulmann, S., & **Kotz, S.A.** (2005).
The role of proficiency on activation of L1 lexical representations during L2 processing: An ERP study. *Journal of Cognitive Neuroscience*, 17, 1593-1610.
208. **Kotz, S.A.**, von Cramon, D. Y., & Friederici, A.D. (2005).
On the role of phonological short-term memory in sentence processing: ERP single case evidence on modality specific effects. *Cognitive Neuropsychology*, 22(8), 931-958.
209. *Schirmer, A., **Kotz, S.A.**, & Friederici, A.D. (2005).
On the role of attention for the processing of emotions in speech: sex differences revisited. *Cognitive Brain Research*, 24(3), 442-452.

2004

210. *Friedrich, C. K., **Kotz, S.A.**, Friederici, A.D., & Gunter, T.C. (2004).
ERP correlates of lexical activation and competition in word fragment priming. *Journal of Cognitive Neuroscience*, 16(4), 541-552.

211. *Friedrich, C. K., **Kotz, S.A.**, Friederici, A.D., & Alter, K. (2004). Pitch modulates ERPs and behavioural responses in cross-modal word fragment priming. *Cognitive Brain Research*, 20, 300-308.
212. Hernandez, A.E., **Kotz, S.A.**, *Hofmann, J., Valentin, V.V, Dapretto, M., & Bookheimer, S.Y. (2004). The neural correlates of grammatical gender decisions in Spanish. *NeuroReport*, 15, 863-866.
213. **Kotz, S.A.** & *Elston-Guettler, K. E. (2004). The role of proficiency on processing categorical and associative information in the L2: Reaction times and event-related brain potentials. *Journal of Neurolinguistics*, 17, 215-235.
214. *Schirmer, A., Zysset, S., **Kotz, S.A.**, & von Cramon, D.Y. (2004). Gender differences in the activation of inferior frontal cortex during emotional speech perception. *NeuroImage*, 21, 1114-1123.

2003

215. Alter, K., Rank, E., **Kotz, S.A.**, Toepel, U., Besson, M., *Schirmer, A., & Friederici, A.D. (2003). Affective encoding in speech signal and ERPs. *Journal of Speech and Communication*, 40, 61-70.
216. Friederici, A.D., **Kotz, S.A.**, Werheid, K., Hein, G., & von Cramon, D.Y. (2003). Syntactic comprehension in Parkinson disease: Investigating early automatic and late integrational processes using ERPs. *Neuropsychology*, 17(1), 133-142.
217. Friederici, A.D. & **Kotz, S.A.** (2003). The brain basis of syntactic processes: Functional imaging and lesion studies. *NeuroImage*, 20, 8-17.
218. Frisch, S., **Kotz, S.A.**, Friederici A.D., & von Cramon, D.Y. (2003). Why the P600 is not just a P300. *Electroencephalography and Clinical Neurophysiology*, 114, 336-340.
219. **Kotz, S.A.** & Friederici, A.D. (2003). Electrophysiology of normal and pathological language processing. *Journal of Neurolinguistics*, 16, 45-58.
220. **Kotz, S.A.**, Meyer, M., Alter, K., Besson, M., von Cramon, D.Y., & Friederici, A. (2003). On the lateralization of emotional prosody: An fMRI investigation. *Brain and Language*, 86, 366-376.
221. **Kotz, S.A.**, Frisch, S., von Cramon, D.Y. & Friederici, A.D. (2003). Syntactic language processing: ERP lesion data on the role of the basal ganglia. *Journal of the International Neuropsychological Society*, 9, 1053-1060.
222. *Schirmer, A. & **Kotz, S.A.** (2003). ERP evidence for a gender-specific Stroop effect in emotional speech. (2003). *Journal of Cognitive Neuroscience*, 15(8), 1135-1148.

2002

223. **Kotz, S.A.**, Cappa, S.F., von Cramon, D.Y., & Friederici, A.D. (2002). Modulation of the lexical-semantic network by auditory semantic priming: An event-related functional MRI study. *NeuroImage*, 17, 1761-1772.
224. *Schirmer, A., **Kotz, S.A.**, & Friederici, A.D. (2002). Sex differentiates the role of emotional prosody during word processing. *Cognitive Brain Research*, 14, 228-233.

2001

225. *Friedrich, C., Alter, K., & **Kotz, S.A.** (2001). An electrophysiological response to different pitch contours in words. *NeuroReport*, 12(15), 3189-3191.
226. **Kotz, S.A.** (2001). Neurolinguistic evidence for bilingual memory representation: A comparison of reaction times and event-related brain potentials. *Bilingualism: Language and Cognition*, 2, 143-154.
227. Goschke, T., Friederici, A.D., **Kotz, S.A.**, & van Kampen. A. (2001). Procedural learning of spatio-motor and phoneme sequences in Broca's aphasia: Evidence for the modularity of sequence learning. *Journal of Cognitive Neuroscience*, 13(3), 370-388.
228. *Schirmer, A., Alter, K., **Kotz, S.A.**, & Friederici, A.D. (2001). Lateralization of prosody during language production: A lesion study. *Brain and Language*, 76, 1-17.

2000

229. Kounios, J., **Kotz, S.A.**, & Holcomb, P.J. (2000). Is the semantic satiation effect really semantic? Evidence from event-related brain potentials. *Journal of Memory and Cognition*, 28(8), 1366-1377.

1999

230. Friederici, A.D., von Cramon, D.Y., & **Kotz, S.A.** (1999). Language related brain potentials in patients with cortical and subcortical lesions. *Brain*, 122, 1033-104.

Bookchapters

Forthcoming

Kotz, S.A. Ist Rhythmus der Motor für erfolgreichen Zweitspracherwerb? Untersuchungen zum Sprachverständnis und zu sensomotorischen Voraussetzungen des Zweitspracherwerbs. Tagungsband Focus on Evidence 2019, Narr Verlag, Tübingen.

Published

1. Paulmann, S. & **Kotz, S.A.** (2019). The electrophysiology and time-course of vocal emotion expression. In: Frühholz, S., Belin, P (eds.). *The Oxford Handbook of Voice Perception*. Oxford: Oxford University Press, pp. 459-472.

2. Schmidt-Kassow, M., *Roncaglia-Dennisen, P.M., & **Kotz, S.A.** (2018).
Die Rolle des Trochäus bei der L1 und L2 Satzverarbeitung im Deutschen. In: Schimke, S., Hopp, H. (eds.). *Sprachverarbeitung im Zweitspracherwerb*. Berlin: De Gruyter Mouton, pp.119-140.
3. Ravnani A., Chiandetti, C. & **Kotz, S.A.** (2018).
Rhythm and music in animal signals. *Encyclopedia of Animal Behavior*, 2nd edition, pp. 1-8. doi:10.1016/B978-0-12-809633-8.90729-5.
4. **Kotz, S.A.** & *Schwartz, M. (2016).
Motor timing and sequencing in speech production: A general purpose framework. In: Hickock, G.S., & Small, S.L. (eds.). *Neurobiology of Language*, pp.717-723.
5. Vogel, R., Van de Vijver, **Kotz, S.A.**, Kutscher A., & Wagner, P. (2015).
Function words in rhythmic optimisation. In: van de Vijver R, Vogel R (eds.) *Rhythm in Cognition and Grammar. A Germanic Perspective*. Berlin: De Gruyter, pp. 253–274.
6. *Schmidt-Kassow, M., *Rothermich, K., & **Kotz, S.A.** (2015).
The role of default stress patterns in monolingual and bilingual sentence processing. In: van de Vijver R, Vogel R (eds.) *Rhythm in Cognition and Grammar. A Germanic Perspective*. Berlin: De Gruyter: 83-110.
7. **Kotz, S.A.** (2014).
Electrophysiological indices of speech processing. In Dieter Jaeger & Ranu Jung (eds.) *Encyclopedia of Computational Neuroscience*. New York: Springer Science+Business Media.
8. **Kotz, S.A.**, *Rothermich, K., & *Schmidt-Kassow, M. (2013).
Neurokognition des Sprachverstehens bei Gesunden und Patienten mit fokalen zerebralen Hirnläsionen. In E. Schröger & S. Koelsch (Eds.) *Affektive und Kognitive Neurowissenschaft*, Band 5 „Kognition“ der Enzyklopädie der Psychologie Hogrefe-Verlag.
9. **Kotz, S.A.**, *Hasting, A.S., & *Paulmann, S. (2013).
On the role of the orbito-striatal interface in emotion processing (pp. 229-235). In E.Altenmüller, S.Schmidt, & E. Zimmermann (Eds.) *Evolution of emotional communication: from sounds in non-human mammals to speech and music in man*. Cambridge: Cambridge University Press.
10. **Kotz, S.A.**, *Rothermich, K., & *Schmidt-Kassow, M. (2012).
Sentence comprehension in healthy and brain-damaged populations (pp. . In M. Faust (Ed.) *Advances in the Neural Substrates of Language: Toward a Synthesis of Basic Science and Clinical Research, Volume 2: Language Processing in the Brain: Special Populations*. New York: Blackwell & Wiley.
11. **Kotz, S.A.** (2009).
Sprachliche und nicht-sprachliche Funktionen der Basalganglien. In S. Wagner & S. A. Kotz (Eds.), *PSP: medizinische Aspekte – Kommunikation – Kognition*. (pp. 37-53). Leipzig: Deutsche PSP-Gesellschaft e.V
12. Frisch, S., **Kotz, S.A.**, & Friederici, A.D. (2008).
Neural correlates of normal and pathological language processing. In M. J. Ball, M. Perkins, N. Müller, & S. Howard (Eds.), *The handbook of clinical linguistics*. (pp.245-260) Blackwell.
13. **Kotz, S.A.** and *Elston-Güttler, K.E. (2007).
Bilingual semantic memory revisited: ERP and fMRI evidence. In J. Hart & M. A. Kraut (Eds.), *The neural basis of semantic memory* (pp. 105-129). Cambridge: Cambridge University Press.

14. **Kotz, S.A.**, Meyer, M., & *Paulmann, S. (2006).
Lateralization of emotional prosody in the brain: An overview and synopsis on the impact of study design. In S. Anders, G. Ende, M. Junghöfer, J. Kissler, & D. Wildgruber (Eds.), *Progress in Brain Research*, 156, 285-294.
15. **Kotz, S.A.** (Ed.) (2006).
The role of the basal ganglia in auditory language processing: Evidence from ERP lesion studies and functional neuroimaging. Dresden: SDV – Sächsisches Druck- und Verlagshaus Direct World.

Commissioned Papers and Commentaries

1. Almutiry, R., *Couth S., Poliakoff E., **Kotz S.A.**, Silverdale, M, & Cootes T. (2016).
Facial Behavioural Analysis in Parkinson's Disease. International Conference on Medical Imaging and Virtual Reality, 329-339.
2. *Farrugia, N., *Benoit, C. E., *Harding, E., **Kotz, S. A.**, Dalla Bella, S. (2012).
BAASTA: Battery of Assesment of Auditory Sensorimotor and Timing Abilities. *Proceedings of the 10th International Conference of Music Perception and Cognition (ICMPC'10), Thessaloniki, Greece*.
3. *Lake, J.B., & **Kotz, S.A.** (2010)
Bookreview: Lieberman, P. (2006). *Towards an evolutionary biology of language*. Cambridge Mass: Harvard University Press. *ELanguage*. Linguistic Society of America.
4. *Paulmann, S., *Schmidt, P. Pell, M.D., & **Kotz, S.A.** (2008).
Rapid processing of emotional and voice information as evidenced by ERPs. In Barbosa, P.A., Madureira, S., Reis, C. (Eds.), *Speech prosody, Proceedings of the 4th International Conference on Speech Prosody, Campinas, Brazil*, 205-209.
5. **Kotz, S.A.**, *Paulmann, S., & *Raettig, T. (2006).
eFMRI Evidence for Implicit Emotional Prosodic Processes. In R. Hoffmann & H. Mixdorff (Eds.), *Speech prosody, Proceedings of the 3rd International Conference on Speech Prosody, Dresden, Germany*, 64.
6. *Paulmann, S. & **Kotz, S.A.** (2006).
Temporal Interaction of Emotional Prosody and Emotional Semantics: Evidence from ERPs. . In R. Hoffmann & H. Mixdorff (Eds.), *Speech prosody, Proceedings of the 3rd International Conference on Speech Prosody, Dresden, Germany*, 89.
7. **Kotz, S.A.**, Gunter, T. C., & *Wonneberger, S. (2005).
The basal ganglia are receptive to rhythmic compensation during auditory syntactic processing: ERP patient data. *Brain and Language*, 95(1), 70-71.
8. *Paulmann, S., Pell, M. D., & **Kotz, S.A.** (2005).
Emotional prosody recognition in BG-patients: disgust recognition revisited. *Brain and Language*, 95(1), 141-142.
9. Friederici, A.D., **Kotz, S.A.**, Steinhauer, K., & von Cramon, D.Y. (2003).
The neural basis of the prosody-syntax interplay: The role of the corpus callosum. *Brain and Language*, 87(1), 133-134.
10. *Hofmann, J., Marschhauser A., & **Kotz, S.A.** (2003).
Grammatical Gender Processing in Aphasic Patients. *Brain and Language*, 87(1), 57-58.
11. **Kotz, S.A.**, von Cramon, D.Y., & Friederici, A.D. (2003).
Differentiation of syntactic processes in the left and right anterior temporal lobe: Event-

- related brain potential evidence from lesion patients. *Brain and Language*, 87 (1), 135-136.
12. *Friedrich, C.K., **Kotz, S.A.**, Friederici, A.D., & Alter, K. (2002). Pitch contour guides spoken word recognition. In B. Bel & I. Marlein (Eds.), *Speech prosody, Proceedings of the 1st International Conference on Speech Prosody, Aix-en Provence, France*, 311-314.
 13. **Kotz, S.A.**, Frisch, S., Werheid, K., Hein, G. von Cramon, D.Y., & Friederici, A.D. (2002). The role of the basal ganglia in syntactic language processing: Event-related potential evidence from different patient populations and syntactic paradigm. *Brain and Language*, 83, 68-70.
 14. *Schirmer, A. & **Kotz, S.A.** (2002). Sex differentiates the Stroop-effect in emotional speech: ERP evidence. In B. Bel & I. Marlein (Eds.), *Speech prosody, Proceedings of the 1st International Conference on Speech Prosody, Aix-en Provence, France*, 631-634.
 15. *Schmidt, B.-H., Gunter, T.C., & **Kotz, S.A.** (2002). Expectancy in familiar melodies: An ERP Investigation. *Proceedings of the 7th International Conference on Music Perception and Cognition*, 716-719.
 16. Friederici, A.D., **Kotz, S.A.**, Werheid, K., Hein, G., & von Cramon, D.Y. (2001). Selective vulnerability of early and late syntactic processes in Parkinson patients: ERP evidence. *Brain and Language*, 79, 15-16.
 17. **Kotz, S.A.**, Frisch, S., & Friederici, A.D. (2001). Processing of verb-argument structure and subcategorization information in brain-damaged patients: Event-related potential evidence. *Brain and Language*, 79, 24 -25.
 18. Alter, K., Rank, E., **Kotz, S.A.**, Toepel, U., Besson, M., *Schirmer, A., & Friederici, A.D. (2000). Accentuation and emotions – Two different systems? In *Proceedings of the ISCA Workshop on Speech and Emotion, Belfast, Northern Ireland*, 138-142.
 19. **Kotz, S.A.**, Friederici, A.D., Cappa, S.F., & von Cramon, D.Y. (2000). Task demands influence the activation pattern of auditory semantic priming in fMRI. *Brain and Language*, 74, 412-414.
 20. Alter, K., Rank, E., **Kotz, S.A.**, Pfeifer, E., Besson, M., Friederici, A.D., & Matiassek, J. (1999). On the relations of semantic and acoustic properties of emotions. In *Proceedings of the XIVth International Congress of Phonetic Sciences, San Francisco, USA*, 2121-2125.
 21. Alter, K., *Schirmer, A., **Kotz, S.A.**, & Friederici, A.D. (1999). Prosodic phrasing and accentuation in speech production of patients with right hemisphere lesions. In *Proceedings of the 6th European Conference on Speech Communication and Technology, Budapest, Hungary*, 1, 223-226.
 22. **Kotz, S.A.** & von Cramon, D.Y. (1999). Is it timing after all? *Behavioural and Brain Sciences*, 22(1), 103-104.
 23. **Kotz, S.A.**, Friederici, A.D., & von Cramon, D.Y. (1999). Auditory word list priming in left and right temporal lobe lesions patients. *Brain and Language*, 69(3), 294-296.
 24. Friederici, A.D., von Cramon, D.Y., & **Kotz, S.A.** (1998). The role of cortical and subcortical lesions in language comprehension. *Brain and Language*, 65(1), 9-10.

25. **Kotz, S.A.**, von Cramon, D.Y., & Friederici, A.D. (1998).
A time-course analysis of auditory and visual sentence comprehension in an aphasic patient: ERP evidence. *Brain and Language*, 65(1), 44-46.

More than 290 conference abstracts since 1996.