

Dr. Timo B. Roettger

Curriculum Vita

Associate Professor at University of Oslo,
Department of Linguistics and Scandinavian Studies

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Academic Appointments

Professor at University of Oslo Department of Linguistic and Scandinavian Studies	-2022
Associate Professor at University of Oslo Department of Linguistic and Scandinavian Studies	2020-2022
Postdoctoral researcher at University of Osnabrück Institute of Cognitive Science, Cognitive Modeling Group (supervisor: Michael FRANKE)	2020
Postdoctoral researcher at Northwestern University Department of Linguistics, Prosody and Speech Dynamics Lab (supervisor: Jennifer COLE)	2018-2019
Postdoctoral researcher at University of Cologne Department of Linguistics – Phonetics (supervisor: Martine GRICE)	2016-2017

Education

Ph.D. in Phonetics (summa cum laude) University of Cologne, Department of Linguistics - Phonetics Thesis title: Stress and Intonation in Tashlhiyt Berber	2016
M.A. in Linguistics & Phonetics (awarded with honors) University of Cologne, Department of Linguistics	2012
B.A. in Linguistics & Phonetics, German Language & Literature University of Cologne, Department of Linguistics	2010

Publications

Publications: Edited Volumes

ROETTGER, Timo B., WINTER, Bodo, & BAAYEN, Harald. Emerging Data Analysis in Phonetic Sciences. *Journal of Phonetics*. DOI: [10.1016/j.wocn.2018.12.001] **2019**

Publications: Monographs

ROETTGER, Timo B. *Tonal Placement in Tashlhiyt – How an Intonation System Accommodates to Adverse Phonological Environments*. (Studies in Laboratory Phonology). Language Science Press: Berlin. DOI: [10.5281/zenodo.814472] **2017**

Publications: Manuscripts under Review / Revision

CORETTA, Stefano, CASILLAS, Joseph, & **ROETTGER**, Timo B. Multidimensional signals and analytic flexibility: Estimating degrees of freedom in human speech analyses. *Advances in Methods and Practices in Psychological Science*. [Registered Report] **In-principle acceptance**

BUCHANAN, Erin, Cuccola, Kelly, [...] **ROETTGER**, Timo B. [...] SPAML: Semantic Priming Across Many Languages. *Nature Human Behavior*. [Registered Report] **In-principle acceptance**

Publications: Refereed Journal Articles

PARSONS, S., AZEVEDO, B., ELSHERIF, M., ... **ROETTGER**, Timo B., ... ACZEL, F. A Community-Sourced Glossary of Open Scholarship Terms. *Nature Human Behaviour*. DOI: [https://doi.org/10.1038/s41562-021-01269-4] **2022**

KURUMADA, Chigusa & **ROETTGER**, Timo B. Thinking probabilistically in the study of intonational speech prosody. *WIREs Cognitive Science*, e1579. DOI: [https://doi.org/10.1002/wcs.1579] [open data & code] **2021**

ROETTGER, Timo B. Preregistration in experimental linguistics: Application, challenges, and limits. In *Linguistics* 59(5): 1227-1249. DOI: [https://doi.org/10.1515/ling-2019-0048]

ROETTGER, Timo B. Context sensitivity and failed replications in linguistics. In *Linguistics* 59(5): 1357-1358. DOI: [https://doi.org/10.1515/ling-2020-0239]

- ROETTGER**, Timo B., **FRANKE**, Michael, & **COLE** Jennifer. Positional biases in predictive processing of intonation. *Journal of Language, Cognition, and Neuroscience*. DOI: [10.1080/23273798.2020.1853185]
[open data & code] [preregistered] **2020**
- GARELLEK**, Marc, **GORDON**, Matthew, **KIRBY**, James, **LEE**, Wai-Sum, **MICHAUD**, Alexis, **MOOSHAMMER**, Christine, **NIEBUHR**, Oliver, **RECASENS**, Daniel, **ROETTGER**, Timo B., **SIMPSON**, Adrian, & **YU**, Kristine Y. Toward open data policies in phonetics: What we can gain and how we can avoid pitfalls. *Journal of Speech Sciences*, 9.1.
- SÓSKUTHY**, Márton & **ROETTGER**, Timo B. When the tune shapes morphology: The origins of vocatives. *Journal of Language Evolution*, 5(2): 140-155. DOI: [10.1093/jole/lzaa007]
[open data & code]
- ROETTGER**, Timo B. & **RIMLAND**, Kim. Listeners' adaptation to unreliable intonation is speaker-specific. *Cognition*, 204. DOI: [10.1016/j.cognition.2020.104372]
[open data & code]
- ROETTGER**, Timo B. & **BAER-HENNEY**, Dinah. Toward a replication culture: Speech production research in the classroom. *Phonological Data and Analysis*, 4(1). DOI: [10.3765/pda.v1art4.13]
[open data & code] **2019**
- ROETTGER**, Timo B. & **FRANKE**, Michael. Evidential strength of intonational cues and rational adaptation to (un-)reliable intonation. *Cognitive Science*. DOI: [10.1111/cogs.12745]
[open data & code] [preregistered]
- ROETTGER**, Timo B. & **GRICE**, Martine. The tune drives the text - Competing information channels of speech shape phonological systems. *Language Dynamics and Change*, 9(2): 265-298. DOI: [10.1163/22105832-00902006]
- ROETTGER**, Timo B., **Mahrt**, Tim, & **COLE**, Jennifer. Mapping prosody onto meaning – the case of information structure in English. *Language, Cognition and Neuroscience*, 34(7): 814-860. DOI: [10.1080/23273798.2019.1587482]
[open data & code]
- ROETTGER**, Timo B. Researcher degrees of freedom in phonetic research. *Journal of the Association for Laboratory Phonology*, 10(1). DOI: [10.5334/labphon.147]
[open data & code]
- ROETTGER**, Timo B, **WINTER**, Bodo, & **BAAYEN**, Harald. Emergent data analysis in phonetic sciences. *Journal of Phonetics*, 73: 1-7. DOI: [10.1016/j.wocn.2018.12.001]
- NICENBOIM**, Bruno, **ROETTGER**, Timo B., **VASISHTH**, Shravan. Using meta-analysis for evidence synthesis: The case of incomplete neutralization in German. *Journal of Phonetics*, 70: 39-55. DOI: [10.1016/j.wocn.2018.06.001]
[open data & code] **2018**

- GRICE, Martine, SAVINO, Michelina, & **ROETTGER**, Timo B. Word final schwa is driven by intonation – the case of Bari Italian. *Journal of Acoustical Society of America*, 143, 2474. DOI: [10.1121/1.5030923]
[\[open data & code\]](#)
- MÜCKE, Doris, HERMES, Anne, **ROETTGER**, Timo B., BECKER, Johannes, NIEMANN, Henrik, OPITZ, Marcel, DEMBEK, Till, TIMMERMANN, Lars, VISSER-VANDEWALLE, Veerle, FINK, G. R., GRICE, Martine, & BARBE, Michael T. The effects of Thalamic Deep Brain Stimulation on speech dynamics in patients with Essential Tremor: An articulographic study. *PloS One*, 13(1). DOI: [10.1371/journal.pone.0191359]
[\[open data & code\]](#)
- ROETTGER**, Timo B. & GORDON, Matthew K. Methodological issues in the study of word stress correlates. *Linguistic Vanguard*, 3(1). DOI: [10.1515/lingvan-2017-0006]
[\[open data & code\]](#)
- GORDON, Matthew K. & **ROETTGER**, Timo B. Acoustic correlates of word stress: a cross-linguistic survey. *Linguistic Vanguard*, 3(1). DOI: [10.1515/lingvan-2017-0007]
[\[open data & code\]](#)
- GRICE, Martine, RITTER, Simon, NIEMANN, Henrik, & **ROETTGER**, Timo B. Integrating the discreteness and continuity of intonational categories. *Journal of Phonetics*, 64, 90-107. DOI: [10.1016/j.wocn.2017.03.003]
[\[open data & code\]](#)
- BRUGGEMAN, Anna, **ROETTGER**, Timo B., & GRICE, Martine. Question word intonation in Tashlhiyt Berber: is ‘high’ good enough? *Laboratory Phonology: Journal of the Association for Laboratory Phonology*, 8(1), 5. DOI: [10.5334/labphon.79]
- ROETTGER**, Timo B. & GRICE, Martine. The role of high pitch in Tashlhiyt Tamazight (Berber) – Evidence from production and perception. *Journal of Phonetics*, 51, 36-49. DOI: [10.1016/j.wocn.2014.12.004]
- ROETTGER**, Timo B. & DOMAHS, Frank. Grammatical Number elicits SNARC and MARC effects as a function of task demands. *Quarterly Journal of Experimental Psychology*, 68, 1231-1248. DOI: [10.1080/17470218.2014.979843]
- GRICE, Martine, RIDOUANE, Rachid, & **ROETTGER**, Timo B. Tonal association in Tashlhiyt Berber. Evidence from polar questions and contrastive statements. *Phonology*, 32, 241-266. DOI: [10.1017/S0952675715000147]
- ROETTGER**, Timo B., WINTER, Bodo, KIRBY, James, GRAWUNDER, Sven, & GRICE, Martine. Assessing incomplete neutralization of final devoicing in German. *Journal of Phonetics*, 43, 11-25. DOI: [10.1016/j.wocn.2014.01.002]
[\[open data & code\]](#)

- MÜCKE, Doris, BECKER, Johannes, BARBE, Michael T., MEISTER, Ingo, LIEBHART, Lena, **ROETTGER**, Timo B., DEMBEK, Till, TIMMERMANN, Lars, & GRICE, Martine. The effect of Deep Brain Stimulation on the speech motor system in Essential Tremor Patients. *Journal of Speech, Language, and Hearing Research*, 57, 1206-1218. DOI: [10.1044/2014_JSLHR-S-13-0155] **2014**
- ROETTGER**, Timo. B., DOMAHS, Ulrike, GRANDE, Marion, & DOMAHS, Frank. Structural factors affecting the assignment of word stress in German. *Journal of Germanic Linguistics*, 24(1), 53-94. DOI: [10.1017/S1470542711000262] **2012**
- WINTER, Bodo & **ROETTGER**, Timo B. The Nature of Incomplete Neutralization: Implications for Laboratory Phonology. *Grazer Linguistische Studien*, 76, 55-74. **2011**

Publications: Refereed Conference Proceedings

- ROETTGER**, Timo B., FRANKE, Michael, & COLE Jennifer. Testing the relevance of prenuclear accents for predicting intonational meaning in German. *Proceedings of 19th International Congress on Phonetic Sciences (ICPhS)*, Melbourne. **2019**
[\[open data & code\]](#) [\[preregistered\]](#)
- GRICE, Martine, SAVINO, Michelina, & **ROETTGER**, Timo B. Tune-text negotiation: The effect of intonation on vowel duration. *Proceedings of 19th International Congress on Phonetic Sciences (ICPhS)*, Melbourne. **2019**
[\[open data & code\]](#)
- ROETTGER**, Timo B. & FRANKE, Michael. Dynamic speech adaptation to unreliable cues during intonational processing. *Proceedings of 40th Annual Conference of the Cognitive Science Society*. Austin, TX: Cognitive Science Society. DOI: [10.31219/osf.io/v6exy] **2018**
[\[open data & code\]](#) [\[preregistered\]](#)
- ROETTGER**, Timo B. & STOEBER, Mathias. Manual Response dynamics reflect rapid integration of intonational information during reference resolution. *Proceedings of 39th Annual Conference of the Cognitive Science Society*. Austin, TX: Cognitive Science Society. **2017**
[\[open data & code\]](#)
- ROETTGER**, Timo B., BRUGGEMAN, Anna, & GRICE, Martine. Word stress in Tashlhiyt – Post lexical prominence in disguise? *Proceedings of 18th International Congress on Phonetic Sciences (ICPhS)*, Glasgow. [\[IPA student paper award\]](#) **2015**
- GRICE, Martine, SAVINO, Michelina, CAFFO, Alessandro, & **ROETTGER**, Timo B. The tune drives the text - Schwa in consonant-final loanwords in Italian. *Proceedings of 18th International Congress on Phonetic Sciences (ICPhS)*, Glasgow. **2015**
[\[open data & code\]](#)

RITTER, Simon & **ROETTGER**, Timo B. Speakers modulate noise-induced pitch according to intonational context. *Proceedings of 7th International Conference on Speech Prosody*, Dublin. **2014**

ROETTGER, Timo B., RIDOAUANE, Rachid, & GRICE, Martine. Perception of peak placement in Tashlhiyt Berber. *Proceedings of 7th International Conference on Speech Prosody*, Dublin.

ROETTGER, Timo B. & DOMAHS, Frank. The spatial representation of grammatical number. In M. Knauff, M. Pauen, N. Sebanz, & I. Wachsmuth (Eds.), *Proceedings of the 35th Annual Conference of the Cognitive Science Society* (pp. 1247-1252). Austin, TX: Cognitive Science Society. **2013**

ROETTGER, Timo B., RIDOUANE, Rachid, & GRICE, Martine. Phonetic alignment and phonological association in Tashlhiyt Berber. *Proceedings of the 21st International Congress of Acoustics*, Montréal.

ROETTGER, Timo B., RIDOUANE, Rachid, & GRICE, Martine. Sonority and syllable weight determine tonal association in Tashlhiyt Berber. *Proceedings of 6th International Conference on Speech Prosody*, Shanghai. **2012**

[Best student paper award]

ROETTGER, Timo B., WINTER, Bodo, & GRAWUNDER, Sven. The robustness of Incomplete Neutralization in German. *Proceedings of 17th International Congress of Phonetic Sciences (ICPhS)*, Hong Kong, 1722-1725. **2011**

GRICE, Martine, **ROETTGER**, Timo B., RIDOUANE, Rachid, & FOUGERON, Cécile. The association of tones in Tashlhiyt Berber. *Proceedings of 17th International Congress of Phonetic Sciences (ICPhS)*, Hong Kong, 775-778.

Unpublished manuscripts

ROETTGER, Timo B., TURNER, Daniel, & COLE, Jennifer. Intonational processing is incremental and holistic. Preprint DOI: [10.31234/osf.io/nhbgs] **2020**
[open data & code] [preregistered]

ROETTGER, Timo B., SCHMALZ, Xenia, CHAMBERS, Chris, FRASER, Hannah, MELLOR, David, OSTOJIC, Ljerka, SCHOOF, Tim (2019). We still need more trust in science: The need for broader adoption of Registered Reports. *MetaArXiv* osf.io/preprints/metaarxiv/4sb7c. **2019**

Other Resources

FRANKE, Michael & **ROETTGER**, Timo B. Bayesian regression modeling (for factorial designs): A tutorial. Retrievable from <https://psyarxiv.com/cdxv3> **2019**

GORDON, Matthew & **ROETTGER**, Timo B. Studies on acoustic correlates of word stress - an online corpus. Retrievable from <https://osf.io/9r2cd> **2017**

BRUGGEMAN, Anna & **ROETTGER**, Timo B. CoTaSS: Corpus of Tashlhiyt Semi-Spontaneous Speech. Online database. Retrievable from <https://cotass.uni-koeln.de>

Oral and Poster Presentations

COLE, Jennifer, & **ROETTGER**, Timo B. Interpreting pitch accents through the lens of informativity. Oral presentation at *17th Conference of Laboratory Phonology*, Vancouver. **2020**

SÓSKUTHY, Márton, & **ROETTGER**, Timo B. Consonants are dispreferred in vocatives. Poster presentation at *17th Conference of Laboratory Phonology*, Vancouver.

ROETTGER, Timo B. & SÓSKUTHY, Márton. The evolution of vocative morphology as shaped by the tune. Poster presentation at *13th EvoLang*, Brussels. [cancelled]

COLE, Jennifer S., **ROETTGER**, Timo B., Turner, Daniel R. Intonation processing in American English is incremental and supports forward-backward inference. Poster presentation at *ASA 176*. Vancouver, Canada.

ROETTGER, Timo B., & COLE, Jennifer. The integration of prenuclear accent is conservative and delayed. Oral presentation at *MidPhon*, Milwaukee. **2019**

ROETTGER, Timo B., FRANKE, Michael, & COLE, Jennifer. Testing the relevance of prenuclear accents for predicting intonational meaning in German. Oral presentation at *19th International Congress on Phonetic Sciences (ICPhS)*, Melbourne.

GRICE, Martine, SAVINO, Michelina, & **ROETTGER**, Timo B. Tune-text negotiation: The effect of intonation on vowel duration. Oral presentation at *19th International Congress on Phonetic Sciences (ICPhS)*, Melbourne.

ROETTGER, Timo B., FRANKE, Michael, & COLE, Jennifer. Prediction and adaptation in intonational processing. Oral presentation at *MidPhon*, Evanston. **2018**

ROETTGER, Timo B., FRANKE, Michael, & COLE, Jennifer. Listeners rationally adapt to unreliable intonation. Oral presentation at *ProsLang – Workshop on the Processing of Prosody across Languages and Varieties*, Wellington.

WEHRLE, Simon, **ROETTGER**, Timo B., & GRICE, Martine. Exploring the Dynamics of Backchannel Interpretation: The Meandering Mouse Paradigm. Oral presentation at *ProsLang – Workshop on the Processing of Prosody across Languages and Varieties*, Wellington. **2018**

ROETTGER, Timo B. & **FRANKE**, Michael. Dynamic speech adaptation to unreliable cues during intonational processing. Oral presentation at *40th Annual Conference of the Cognitive Science Society*, Madison.

ROETTGER, Timo B. & **COLE**, Jennifer. On the (ir)relevance of prenuclear accents for intonational learning. Poster presentation at *16th Conference of Laboratory Phonology*, Lisbon.

FRANKE, Michael & **ROETTGER**, Timo B. Speech adaptation in real-time interpretation of intonation. Poster presentation at *16th Conference of Laboratory Phonology*, Lisbon.

BAER-HENNEY, Dinah & **ROETTGER**, Timo B. Control vs power in phonetic research. Poster presentation at *16th Conference of Laboratory Phonology*, Lisbon.

ROETTGER, Timo B. & **FRANKE**, Michael. Adapting to the unreliable - Speech adaptation in real-time interpretation of intonation. Poster presentation at *31th CUNY sentence processing conference*, Davis.

ROETTGER, Timo B. & **GRICE**, Martine. The tune drives the text – how intonation drives vowel emergence. Oral presentation at *XLanS - Triggers of Language Change in the Language Sciences*, Lyon.

2017

BAER-HENNEY, Dinah & **ROETTGER**, Timo B. Do high frequency prototypes affect phonotactic learning? Poster presentation at *Phonetics & Phonology 13*, Berlin.

FRANKE, Michael, **DEGEN**, Judith, **AUGURZKY**, Petra, & **ROETTGER**, Timo B. Incremental and predictive pragmatic interpretation: A rational analysis. Oral presentation at *XPrag.de Annual Meeting*, Cologne.

WEHRLE, Simon, **ROETTGER**, Timo B., & **GRICE**, Martine. Tracking the Perceptual Effects of Backchannel Behaviour in Asperger Syndrome and Second Language Speech. Oral presentation at *Processing prosody across languages, varieties, and nativeness (ProPro)*, Munich.

ROETTGER, Timo B. & **STOEBER**, Mathias. Manual Response dynamics reflect rapid integration of intonational information during reference resolution. Poster presentation at *39th Annual Conference of the Cognitive Science Society*. London.

2017

ROETTGER, Timo B. & **STOEBER**, Mathias. Tracking continuous motor responses as a window into real-time speech perception. Poster presentation at *Phonology and Phonetics in Europe (PaPE)*, Cologne.

ROETTGER, Timo B. & **GRICE**, Martine. Contrasts in intonation – probabilistic and continuous descriptions. Oral presentation at *Perspectives of marginal contrasts - Satellite Workshop at 15th Conference of Laboratory Phonology (LabPhon)*, Cornell.

2016

ROETTGER, Timo B. & BAER-HENNEY, Dinah. High frequency prototypes do not facilitate phonotactic generalizations. Poster presentation at 15th *Conference of Laboratory Phonology (LabPhon)*, Cornell. **2016**

HARTINGER, Mariam, Mareike SCHOLZ, Michael T. BARBE, Doris MÜCKE, Anne HERMES, Timo B. **ROETTGER**, Johannes BECKER, Marcel OPITZ, Till A. DEMBEK, Ingo G. MEISTER, Veerle VISSER-VANDEWALLE, Martine GRICE, & Lars TIMMERMANN. ICF-based effects of VIM-DBS on communication in everyday life in patients with essential tremor. Presentation at 20th *international congress of Parkinson's Disease and movement disorders*, Berlin.

Mücke, D., Anne Hermes, Michael T. BARBE, Timo B. **ROETTGER**, Henrik Niemann, Johannes BECKER, Miriam Hartinger, Ingo MEISTER, Veerle VISSER-VANDEWALLE, Lars TIMMERMANN, & Martine GRICE. Regulation in speech motor control in ET patients treated with DBS: Kinematics of the lingual and the labial systems. Presentation at 20th *international congress of Parkinson's Disease and movement disorders*, Berlin.

BARBE, Michael T., Doris MÜCKE, Anne HERMES, Timo B. **ROETTGER**, Johannes BECKER, Marcel OPITZ, Till A. DEMBEK, Mariam HARTINGER, Ingo G. MEISTER, Veerle VISSER-VANDEWALLE, Martine GRICE, & Lars TIMMERMANN. Articulography reveals disturbed speech motor control in ET patients treated with VIM-DBS. Presentation at 20th *international congress of Parkinson's Disease and movement disorders*, Berlin.

BECKER, Johannes, Michael T. BARBE, Timo B. **ROETTGER**, Mariam HARTINGER, Jil POCHMANN, Till A. DEMBEK, Jochen WIRTHS, Niels ALLERT, Doris MÜCKE, Ingo G. MEISTER, Veerle VISSER-VANDEWALLE, Martine GRICE, & Lars TIMMERMANN. The effect of uni- and bilateral thalamic Deep Brain Stimulation on speech in patients with Essential Tremor: production and perception. Presentation at 20th *international congress of Parkinson's Disease and movement disorders*, Berlin.

ROETTGER, Timo B., BRUGGEMAN, Anna, & GRICE, Martine. Word stress in Tashlhiyt – Post lexical prominence in disguise? Oral presentation at 18th *International Congress on Phonetic Sciences (ICPhS)*, Glasgow. **2015**

GRICE, Martine, SAVINO, Michelina, CAFFO, Alessandro, & **ROETTGER**, Timo B. The tune drives the text - Schwa in consonant-final loanwords in Italian. Oral presentation at 18th *International Congress on Phonetic Sciences (ICPhS)*, Glasgow.

ROETTGER, Timo, B. & GRICE, Martine. The tune drives the text – Evidence from Italian and Tashlhiyt Berber. Oral presentation at *Dynamic Modeling Workshop (DYMO)*, Cologne.

BRUGGEMAN, Anna, **ROETTGER**, Timo B., & GRICE, Martine. Variability and uniformity in Tashlhiyt question word tones. Oral presentation at *Phonetics and Phonology in Europe (PaPE)*, Cambridge.

ROETTGER, Timo B., RIDOUANE, Rachid, & GRICE, Martine. Schwa in Tashlhiyt Berber in voiceless environment. Poster presentation at 14th *Conference of Laboratory Phonology (LabPhon)*, Tokyo. **2014**

- GRICE, Martine, **ROETTGER**, Timo B., & RIDOUANE, Rachid. Intrusive vowels in Tashlhiyt Berber – a motivation for voicing in voiceless words. Oral presentation at 22nd *Manchester Phonology Meeting*, Manchester. **2014**
- RITTER, Simon & **ROETTGER**, Timo B. Speakers modulate noise-induced pitch according to intonational context. Poster presentation at 7th *International Conference on Speech Prosody*, Dublin.
- ROETTGER**, Timo B., RIDOUANE, Rachid, & GRICE, Martine. Perception of peak placement in Tashlhiyt Berber. Poster presentation at 7th *International Conference on Speech Prosody*, Dublin.
- ROETTGER**, Timo B. & DOMAHS, Frank. The spatial representation of grammatical number. Oral presentation at the 33rd *Annual Conference of Cognitive Science Society*, Berlin. **2013**
- ROETTGER**, Timo B., RIDOUANE, Rachid, & GRICE, Martine. Phonetic alignment and phonological association in Tashlhiyt Berber. Poster presentation at 21st *International Congress on Acoustics*, Montréal.
- ROETTGER**, Timo B., WINTER, Bodo, KIRBY, James, & GRICE, Martine. Incomplete Neutralization - A cognitive artifact of lexical co-activation? Poster presentation at 13th *Conference of Laboratory Phonology (LabPhon)*, Stuttgart. **2012**
- ROETTGER**, Timo B., RIDOUANE, Rachid, & GRICE, Martine. Sonority and syllable weight determine tonal association in Tashlhiyt Berber. Oral presentation at 6th *International Conference on Speech Prosody*, Shanghai.
- ROETTGER**, Timo B., WINTER, Bodo, & GRAWUNDER, Sven. The robustness of Incomplete Neutralization in German. Oral presentation at 17th *International Congress of Phonetic Sciences (ICPhS)*, Hong Kong **2011**
- GRICE, Martine, **ROETTGER**, Timo B., RIDOUANE, Rachid, & FOUGERON, Cécile. The association of tones in Tashlhiyt Berber. Poster presentation at 17th *International Congress of Phonetic Sciences (ICPhS)*, Hong Kong.
- EVERTZ, Martin, **ROETTGER**, Timo B., & PRIMUS, Beatrice. Prosodic units in language and writing: mora, syllable, and foot. Oral presentation at 7th *International Workshop on Writing Systems and Literacy*, Paris. **2010**
- EVERTZ, Martin, **ROETTGER**, Timo B., & PRIMUS, Beatrice. Graphematic prosodic structure. Poster presentation at the *Cologne International Workshop on Prosody*, Cologne.
- ROETTGER**, Timo B., EVERTZ, Martin, & PRIMUS, Beatrice. Schriftinduzierte Prosodie. Oral presentation at *DGfS annual meeting*, Berlin. **2010**

Invited and Colloquium Talks

LabPhon18 - Invited speaker

2022

The cart before the horse - the role of confirmation and exploration in Laboratory Phonology

FHI (Folkehelseinstituttet) Norway

Department of Mental Health and Suicide

Dataviz in Science - How to be Clear and Credible

University of Arizona

Department of Linguistics

Not even wrong - why experimental linguists should stop testing hypotheses

University of Oslo

2021

Department of Sociology & Human Geography

Clarity and Credibility as Guiding Principles in Data Visualization

University of Oslo

Promenta Research Center for Mental Health

Dataviz in Science - How to be Clear and Credible

Abralin ao Vivo

Discussant for Jennifer Cole's talk "Unlocking prosody: Discovering structured variation and rich context effects"

CNRS Paris

Séminaires de Recherches en Phonétique et Phonologie

Toward transparent and reproducible speech sciences

Aarhus University

Sounds of Language and Speech Group

The Credibility Revolution in the Speech Sciences

Queen Mary University of London

2020

Department of Linguistics

Pre-registration in Linguistic Research

Keio University & International Christian University

The Institute of Cultural and Linguistic Studies & Linguistics Lab

Grammar shaped by melody – a tune-driven pathway to morphology

University of Oslo [short list]

2019

Department of Linguistics and Scandinavian Studies

The tune drives the text – how intonation shapes linguistic systems

University of Bamberg

Department of English Linguistics

The fight against the file drawer - Preregistrations and Registered Reports

University of Cologne

2019

Department of Phonetics

Rationally speaking - How do listeners deal with intonational variability?

Heinrich-Heine-Universität Düsseldorf

Department of English Language and Linguistics

Are we rational when we integrate prosodic information?

University of Wisconsin, Milwaukee

Department of Linguistics

Does the tune shape phonology?

Rutgers University

Department of Linguistics [short list]

The tune shapes phonology – how intonation drives segmental alternations.

University of Stuttgart

2018

Department of Linguistics [short list]

Prediction and adaptation in prosodic processing

University of Rochester

Brain and Cognitive Sciences Department

Prediction and adaptation in intonational processing

University of Chicago

Department of Psychology / Linguistics

Overcoming the lack of invariance of intonational categories – Prediction and adaptation

Northwestern University

2017

Department of Linguistics, SoundLabz

Adapting to the unreliable - Mouse movements reveal adaptation to unreliable intonation.

University of Frankfurt

Department of Linguistics

Does the tune drive the text? Vowel insertion triggered by intonation.

University of Cologne

Department of General Linguistics

The tune drives the text – the role of intonation in linguistic change.

University of Munich

Department of Phonetics and Speech Processing

The role of phrase-level prosody in sound change – the case of vowel insertion

- University of Cologne** **2017**
Department of German Linguistics
 Moving hands reveal the dynamics of prosody-based intention recognition.
- University of Tübingen**
General & Theoretical Linguistics
 Manual response tracking during intonation-based intention recognition.
- University of Bielefeld**
Faculty of Linguistics and Literature Studies
 Tracking Hand movements to unravel the time course of intonation-based intention recognition.
- Heinrich-Heine-Universität Düsseldorf** **2016**
Department of General Linguistics
 Unvollständige Neutralisation - Auf der Jagd nach einem phonologischen Phantom?
- University of Leiden** **2015**
Leiden University Centre for Linguistics
 Tonal placement in Tashlhiyt - postlexical variability due to the absence of word stress?
- UC Merced** **2014**
Department of Cognitive and Information Sciences
 The tune drives the text – how an intonation system accommodates to adverse phonological environments.
- UC Southern California**
Department of Linguistics
 Vowel emergence driven by the tune – evidence from Tashlhiyt Berber.
- University of Cologne** **2013**
Department of German Linguistics
 Unvollständige Neutralisierung – phonologisch repräsentiert oder nur ein methodisches Artefakt?
- RWTH Aachen University** **2011**
Department of Neurology
 Numerical processing of number words and number inflection. Evidence from the SNARC Effect.
- University of Cologne** **2010**
Department of German Linguistics
 Visuelle Prosodie - Schriftinduzierter Wortakzent

University of Cologne

2009

Department of German Linguistics

Psycholinguistische Evidenz für ein gewichtssensitives Akzentsystem
im Deutschen

Funding

Grants and Funding

UoC Graduate and Young Researcher Program (GYRP) University of Cologne PostDoc research grant for “TraMOUS – Tracking Hand Movements to Unravel the Dynamics of Speech Processing”.	2017-2018 49,000€
Cologne Center of Language Sciences (CCLS) Grant for organisation of “Statistical methods in phonetic sciences” Satellite workshop at Phonetics and Phonology in Europe (PaPE).	2017 500€
German Academic Exchange Service (DAAD) Travel grant for participation at the 15th Conference of Laboratory Phonology (LabPhon), Cornell.	2016 1,550€
University of Cologne Starting grant for “What is a category in intonation?” (together with Martine GRICE)	2015 5,800€
a.r.t.e.s. Graduate School for the Humanities, UoC Travel grant for fieldwork on Tashlhiyt Berber in Agadir, Morocco.	2015 950€
German Academic Exchange Service (DAAD) Travel grant for visiting stay at Department for Cognitive and Information Sciences, University of California, Merced.	2014 1,250€
a.r.t.e.s. Graduate School for the Humanities, UoC Travel grant for participation at the 14 th Conference of Laboratory Phonology (LabPhon), Tokyo.	2014 1,650€
a.r.t.e.s. Graduate School for the Humanities, UoC Travel grant for fieldwork on Tashlhiyt Berber in Agadir, Morocco.	2013 750€

a.r.t.e.s. Graduate School for the Humanities, UoC Travel grant for participation at the 21 st <i>International Congress on Acoustics (ICA)</i> , Montréal.	2013 1,200€
German Academic Scholarship Foundation (“Studienstiftung”) Travel grant for participation at the 6 th <i>International Conference on Speech Prosody</i> , Shanghai, 2012	2012 800€
German Academic Scholarship Foundation (“Studienstiftung”) Exchange grant for academic exchange year at the School of Philosophy, Psychology and Language Sciences, University of Edinburgh, 2011-2012	2011-2012 5,000€
German Academic Scholarship Foundation (“Studienstiftung”) Travel grant for participation at the 17 th <i>International Congress of Phonetic Sciences (ICPhS)</i> , Hong Kong, 2011	2011 800€

Scholarships

a.r.t.e.s. Graduate School for the Humanities, UoC Full PhD scholarship for 39 months, University of Cologne	2013-2016 49,000€
German Academic Scholarship Foundation (“Studienstiftung”) Full student scholarship, 2011-2012	2011-2012 4,500€

Awards

IPA Student Award at ICPhS, Glasgow Paper: ROETTGER, BRUGGEMAN, & GRICE. <i>Word stress in Tashlhiyt – Post lexical prominence in disguise.</i>	2015
Faculty Prize of the Humanities, University of Cologne Awarded for outstanding M.A. thesis Title of thesis: <i>Incomplete Neutralization - A cognitive artifact of lexical co-activation?</i>	2013
Best Student Paper Award at Speech Prosody, Shanghai Paper: ROETTGER, RIDOUANE, & GRICE. <i>Sonority and syllable weight determine tonal association in Tashlhiyt Berber.</i>	2012

Organised Workshops and Colloquia

Workshop for the Association for Laboratory Phonology “Learn Bayesian Analysis for Speech Sciences (LearnB4SS)”	2021
ReproducibiliTea - UiO	-2021
Phonatics – Northwestern University	2018-2019
Satellite workshop at Phonetics and Phonology in Europe (PaPE) “Statistical methods in phonetic sciences” (with Bodo WINTER)	2017

Workshops on Scientific Communication

University of Cologne, Department for Linguistics – Phonetics “ <i>Fundamentals</i> of efficient data visualization” “Make it Stick – Designing engaging and memorable slides”	2016-2017
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Teaching

University of Oslo, Department of Linguistics and Scandinavian Studies “Phonetics and Phonology I” (BA, 2021-2022) “Phonetics and Phonology II” (BA and MA, 2021-2022) “Introduction to Psycholinguistics and Sociolinguistics” (BA, 2021) “Introduction to Statistical Analysis for Language Students” (BA and MA, 2021-2022) “MultiLing Summer School” (PhD, 2021)	-2021
Leipzig Zentrum – Allgemeine Sprachwissenschaft “An Introduction to Bayesian Inference using R” (one-day workshop)	2020
University of Osnabrück, Institute for Cognitive Sciences “Toward open cognitive sciences - causes, consequences and solutions to the replication crisis” (BA and MA module, 2019, 2020) “Advanced Bayesian data analysis” (BA and MA module) “Tracing the mind by hand – Manual response tracking as a window into cognitive processing” (BA and MA module)	

University of Cologne, SFB Prominence in Language “Reproducibility in the Language Sciences” (two-day workshop)	2019
University of Birmingham, Department of English Language and Applied Linguistics “Birmingham Statistics for Linguists Summer School”	2018-2020
Northwestern University, Department of Linguistics “Imitation, convergence and entrainment in speech production” (Guest lecture)	2018
University of Cologne, Department for Linguistics – Phonetics “Statistics for Linguists” (BA and MA module, 2016) “Introduction to Phonetics and Phonology” (BA module, 2014, 2015, 2016) “Laboratory Phonology” (MA module, 2012, 2013, 2014) “Tutorial for the Introduction to Phonetics and Phonology” (BA module, 2011, 2012, 2013)	2011-2016
RWTH Aachen University, American Studies and Romance Studies “Regression Modeling for Linguists” (MA module, two-day workshop)	2015
University of California – Merced, Cognitive and Information Sciences “Mathematical Cognition” (Guest lecture)	2014
University of Cologne, Department for German Linguistics Tutorial for the Introduction to German Linguistics (BA module)	2009

Outreach

Kronikk in Forskerforum “Fram for troverdig forskning” (engl. Towards credible research)	2022
Interview with “Learning Bayesian Statistics” (Podcast) “Bayesian Stats for the Speech & Language Sciences” https://www.learnbayesstats.com/episode/40-bayesian-stats-speech-language-sciences-allison-hilger-timo-roettger	2021
Interview with Perspective Daily “Die Wissenschaft steckt in der Krise. So kommt sie wieder heraus”. https://perspective-daily.de/article/1285/O1rlseO5	2020
Panelist in webinar organized by the Center for Open Science “Advocating for Change in How Science is Conducted to Level the Playing Field”. https://www.youtube.com/watch?v=3WX0gXXztIE	2019

Advising

Ali Hussein BiraHimani (University of Oslo), PhD Working title of PhD thesis: “The Phonetics and Phonology of Transposition of Aspiration and Deaspiration: to throwback or to neutralize?”	-2021
Olav Brennsæter (University of Oslo), M.A. Working title of M.A. thesis: “Lexical tone in Mau.”	-2021
Tamara Kessler (University of Osnabrück), B.A. Title of B.A. thesis: “Are introspective confidence judgments reflected in the motor dynamics of response selection?”	2020
Allison Hilger (Northwestern University), PhD Statistical consultant for predoctoral F-31 NIH fellowship: “Impaired Sensorimotor integration for prosodic production in ataxic dysarthria”	2020
Nastassja Bremer (University of Cologne), M.A. Title of M.A. thesis: “The relevance of accent position for intonational learning in German adults”	2019
Kim Rimland (University of Cologne), M.A. Title of M.A. thesis: “Sprecherspezifische Anpassung bei der Perzeption von Intonation” Outcome: Roettger & Rimland (2020, <i>Cognition</i>)	2019
Mathias Soeber (University of Cologne), B.A. Title of B.A. thesis: “Testing the effectiveness of mouse tracking in speech perception” Outcome: Roettger & Stoeber (2017, <i>CogSci</i>), Roettger & Stoeber (2017, <i>PaPE</i>)	2019
Simon Ritter (University of Cologne), M.A. Title of M.A. thesis: “Intonation in the absence of voicing: the case of voiceless fricatives.” Outcome: Ritter & Roettger (2014, <i>Speech Prosody</i>)	2014

Reviewing

Ad-hoc reviewing for grants: National Science Foundation (NSF).

Ad-hoc reviewing for book proposal: Chapman & Hall.

Ad-hoc reviewing for journals: Cognitive Science, Frontiers in Language Science, Glossa, Glossa Psycholinguistics, International Journal of American Linguistics, Journal of

Experimental Psychology: Learning, Memory and Cognition, Journal of Germanic Linguistics, Journal of Memory and Language, Journal of Neuropsychiatry, Journal of Phonetics, Journal of the Acoustical Society of America (JASA), Journal of the International Phonetic Association, Journal of the Southeast Asian Linguistics Society, Laboratory Phonology, Language, Language and Speech, Language Sciences, Phonology, Psychological Methods, Second Language Research.

Ad-hoc reviewing for conferences: International Seminar on Speech Production (ISSP) 2014, Old World Conference on Phonology (OCP) 2017, 2022, International Congress of Phonetic Sciences (ICPhS) 2015, 2019, Annual Conference of the Cognitive Science Society (CogSci) 2015, 2016, 2017, 2018, 2019, Interspeech 2019, Phonetics and Phonology in Europe (PaPE) 2017, 2019, LabPhon 2020.

Chairing & Committee work

Norway Reproducibility Network (NORRN) Initiating member	-2021
Glossa Psycholinguistics Editorial board	-2021
Language Science Press Member of the advisory board	-2021
The Association for Laboratory Phonology Member of the web committee	2013-2018

Professional Memberships

Member of the Association for Laboratory Phonology	2011-
Member of the International Phonetic Association (IPA)	2015-2019
Member of the Cognitive Science Society (CogSci)	2013-2019