

# CV and publications Constantijn Kaland



BIB<sub>T</sub>E<sub>X</sub>

## Academic curriculum

current	Post-doctoral researcher, University of Cologne (DE)
2024	Lecturer <i>Prosodische Analyse</i> , University of Cologne (DE)
2024	Habilitation <i>Phonetics</i> , University of Cologne (DE)
2022	Lecturer <i>Word prosody &amp; Laboratory Phonology</i> , University of Cologne (DE)
2019	Lecturer <i>Prosody in Communication</i> , Utrecht University (NL)
2017	Lecturer <i>Prosody in English and Dutch</i> , Utrecht University (NL)
2016	Post-doctoral researcher, Free University of Bolzano (IT)
2015	Post-doctoral researcher / lecturer <i>Acoustic Phonetics</i> , University of Malta (MT)
2014	PhD: <i>Prosodic marking of semantic contrasts</i> , Tilburg University (NL)
2009	MA: <i>Clinical and Experimental Linguistics</i> , Leiden University (NL)
2008	Exchange student, Albert Ludwig University Freiburg (DE)
2007	BA: <i>General Linguistics</i> , Leiden University (NL)

## Interests

Experimental phonetics, prosody, speech production and perception, language typology.

## Contact

Institute of Linguistics / - Phonetics  
Universität zu Köln - SFB 1252  
Luxemburger Straße 299  
50939 Köln



## Publications (peer-reviewed)

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### Journal articles and book sections

#### As first author:

Kaland, C., Gayler, K., Himmelmann, N. P., & Grice, M. (accepted). A first exploration of word- and phrase-final f0 movements in spontaneous Yali. *Phonological Data and Analysis*. [\[suppl\]](#)

Kaland, C., & Grice, M. (2024). Exploring and explaining variation in phrase-final f0 movements in spontaneous Papuan Malay. *Phonetica*, 81(3). <https://doi.org/10.1515/phon-2023-0031> [\[pdf\]](#) [\[suppl\]](#)

Kaland, C., & Swerts, M. (2023). The Attractiveness of Average Speech Rhythms: Revisiting the Average Effect From a Crosslinguistic Perspective. *Language and Speech*, 1–21. <https://doi.org/10.1177/00238309231217689> [\[pdf\]](#)

Kaland, C. (2023). Intonation contour similarity: F0 representations and distance measures compared to human perception in two languages. *The Journal of the Acoustical Society of America*, 154(1), 95–107. <https://doi.org/10.1121/10.0019850> [\[pdf\]](#) [\[suppl\]](#)

Kaland, C., Swerts, M., & Himmelmann, N. P. (2023). Red and blue bananas: Time-series f0 analysis of contrastively focused noun phrases in Papuan Malay and Dutch. *Journal of Phonetics*, 96, 101200. <https://doi.org/10.1016/j.wocn.2022.101200> [\[pdf\]](#) [\[suppl\]](#)

Kaland, C., & Gordon, M. K. (2022). The role of f0 shape and phrasal position in Papuan Malay and American English word identification. *Phonetica*, 79(3), 219–245. <https://doi.org/10.1515/phon-2022-2022> [\[pdf\]](#) [\[suppl\]](#)

Kaland, C. (2021). The perception of word stress cues in Papuan Malay: A typological perspective and experimental investigation. *Laboratory Phonology*, 12(1), 1–33. <https://doi.org/10.16995/labphon.6447> [\[pdf\]](#) [\[suppl\]](#)

Kaland, C., Kluge, A., & Van Heuven, V. J. (2021). Lexical analyses of the function and phonology of Papuan Malay word stress. *Phonetica*, 78(2), 141–168. <https://doi.org/10.1515/phon-2021-2003> [\[pdf\]](#)

Kaland, C. (2021). Contour clustering: A field-data-driven approach for documenting and analysing prototypical f0 contours. *Journal of the International Phonetic Association*, 53(1), 159–188. <https://doi.org/10.1017/S0025100321000049> [\[pdf\]](#) [\[web\]](#) [\[suppl\]](#) [\[audio\]](#)

Kaland, C., & Baumann, S. (2020). Demarcating and highlighting in Papuan Malay phrase prosody. *The Journal of the Acoustical Society of America*, 147(4), 2974–2988. <https://doi.org/10.1121/10.0001008> [\[pdf\]](#)

Kaland, C. (2020). Offline and online processing of acoustic cues to word stress in Papuan Malay. *The Journal of the Acoustical Society of America*, 147(2), 731–747. <https://doi.org/10.1121/10.0000578> [\[pdf\]](#)

Kaland, C., & Himmelmann, N. P. (2020). Repetition Reduction Revisited: The Prosody

of Repeated Words in Papuan Malay. *Language and Speech*, 63(1), 31–55. <https://doi.org/10.1177/0023830918820044> [pdf]

Kaland, C. (2019). Acoustic correlates of word stress in Papuan Malay. *Journal of Phonetics*, 74, 55–74. <https://doi.org/10.1016/j.wocn.2019.02.003> [pdf]

Kaland, C., Galatà, V., Spreafico, L., & Vietti, A. (2019). Which Language R You Speaking? /r/ as a Language Marker in Tyrolean and Italian Bilinguals. *Language and Speech*, 62(1), 137–163. <https://doi.org/10.1177/0023830917746551> [pdf]

Kaland, C. (2014). *Prosodic marking of semantic contrasts: Do speakers adapt to addressees?* LOT Dissertation Series 366 - Tilburg University [pdf]

Kaland, C., Krahmer, E., & Swerts, M. (2014). White Bear Effects in Language Production: Evidence from the Prosodic Realization of Adjectives. *Language and Speech*, 57(4), 470–486. <https://doi.org/10.1177/0023830913513710> [pdf]

Kaland, C., Swerts, M., & Krahmer, E. (2013). Accounting for the listener: Comparing the production of contrastive intonation in typically-developing speakers and speakers with autism. *The Journal of the Acoustical Society of America*, 134(3), 2182–2196. <https://doi.org/10.1121/1.4816544> [pdf]

Kaland, C., Krahmer, E., & Swerts, M. (2012). On How Accent Distribution Can Signal Speaker Adaptation. *Phonetica*, 69(4), 216–230. <https://doi.org/10.1159/000353473> [pdf]

#### As co-author:

Coretta, S., Casillas, J. V., Roessig, S., Franke, M., Ahn, B., Al-Hoorie, A. H., Al-Tamimi, J., Alotaibi, N. E., AlShakhori, M. K., Altmiller, R. M., Arantes, P., Athanasopoulou, A., Baese-Berk, M. M., Bailey, G., Sangma, C. B. A., Beier, E. J., Benavides, G. M., Benker, N., BensonMeyer, E. P., ... Roettger, T. B. (2023). Multidimensional Signals and Analytic Flexibility: Estimating Degrees of Freedom in Human-Speech Analyses. *Advances in Methods and Practices in Psychological Science*, 6(3), 1–29. <https://doi.org/10.1177/25152459231162567> [pdf]

Van Heuven, V. J., & Kaland, C. (2017). Chapter 10. Prosody of restrictive and appositive relative clauses in Dutch and German. In H. Reckman, L. L. Cheng, M. Hijzelendoorn, & R. Sybesma (Eds.), *Crossroads Semantics* (pp. 155–176). John Benjamins Publishing Company. <https://doi.org/10.1075/z.210.10van>

Borràs-Comes, J., Kaland, C., Prieto, P., & Swerts, M. (2014). Audiovisual Correlates of Interrogativity: A Comparative Analysis of Catalan and Dutch. *Journal of Nonverbal Behavior*, 38(1), 53–66. <https://doi.org/10.1007/s10919-013-0162-0> [pdf]

Crespo Sendra, V., Kaland, C., Swerts, M., & Prieto, P. (2013). Perceiving incredulity: The role of intonation and facial gestures. *Journal of Pragmatics*, 47(1), 1–13. <https://doi.org/10.1016/j.pragma.2012.08.008> [pdf]

## Conferences and workshops

### As first author:

Kaland, C., & Lialiou, M. (2024). Quantity-sensitivity affects recall performance of word stress. *Interspeech 2024*

Kaland, C., Bhatara, A., Boll-Avetisyan, N., & Nazzi, T. (2024). Prosodic grouping in Akan and the applicability of the iambic-trochaic law. *Proceedings of Speech Prosody*

Kaland, C., Steffman, J., & Cole, J. (2024). K-means and hierarchical clustering of f0 contours. *Interspeech 2024*

Kaland, C., Gordon, M., Jang, J., & Katsika, A. (2023). No effects of f0 manipulation and phrase position in Korean word recognition. *The 2nd International Conference on Tone and Intonation (TAI 2023)*, 64–68. <https://doi.org/10.21437/TAI.2023-14> [pdf]

Kaland, C., & Bardají, M. (2023). Phonetic description of filled pauses as discourse markers in Totoli. In R. Skarnitzl & J. Volín (Eds.), *Proceedings of the 20th International Congress of Phonetic Sciences* (pp. 3242–3246). Guarant International [pdf] [suppl]

Kaland, C., & Ellison, T. M. (2023). Evaluating cluster analysis on f0 contours: An information theoretic approach on three languages. In R. Skarnitzl & J. Volín (Eds.), *Proceedings of the 20th International Congress of Phonetic Sciences* (pp. 3448–3452). Guarant International [pdf]

Kaland, C. (2022). Bending the string: Intonation contour length as a correlate of macro-rhythm. *Interspeech 2022*, 5233–5237. <https://doi.org/10.21437/Interspeech.2022-185> [pdf]

Kaland, C., Peck, N., Ellison, T. M., & Reinöhl, U. (2021). An initial exploration of the interaction of tone and intonation in Kera’a. *1st International Conference on Tone and Intonation (TAI)*, 132–136. <https://doi.org/10.21437/TAI.2021-27> [pdf]

Kaland, C., & Gordon, M. (2021). How f0 and Phrase Position Affect Papuan Malay Word Identification. *Interspeech 2021*, 2606–2610. <https://doi.org/10.21437/Interspeech.2021-6> [pdf]

Kaland, C. (2020). Contour clustering: a tool for exploring prototypical f0 patterns. Oral presentation *Middag van de Fonetiek*, December 18th 2020. [abstract]

Kaland, C., & Van Heuven, V. J. (2020). Papuan Malay word stress reduces lexical alternatives. *Proceedings of the 10th International Conference on Speech Prosody 2020*, 454–458. <https://doi.org/10.21437/SpeechProsody.2020-93> [pdf]

Kaland, C., & Himmelmann, N. P. (2020). Time-series analysis of F0 in Papuan Malay contrastive focus. *Proceedings of the 10th International Conference on Speech Prosody 2020*, 230–234. <https://doi.org/10.21437/SpeechProsody.2020-47> [pdf]

Kaland, C., & Baumann, S. (2019). Different functions of phrase-final F0 movements in spontaneous Papuan Malay. In S. Calhoun, P. Escudero, M. Tabain, & P. Warren (Eds.), *Proceedings of the 19th International Congress of Phonetic Sciences* (pp. 1312–1316) [pdf]

Kaland, C., Himmelmann, N. P., & Kluge, A. (2019). Stress predictors in a Papuan Malay

random forest. In Sasha Calhoun, Paola Escudero, & Marija Tabain (Eds.), *Proceedings of the 19th International Congress of Phonetic Sciences* (pp. 2871–2875). Australasian Speech Science; Technology Association Inc. [\[pdf\]](#)

Kaland, C., Bracks, C., & Himmelmann, N. P. (2018). Repetition reduction in Papuan Malay prosody. *9th International Conference on Speech Prosody 2018*, 10–14. <https://doi.org/10.21437/SpeechProsody.2018-2> [\[pdf\]](#)

Kaland, C. (2018). Spectral tilt as a correlate of Papuan Malay word stress. *9th International Conference on Speech Prosody 2018*, 339–343. <https://doi.org/10.21437/SpeechProsody.2018-69> [\[pdf\]](#)

Kaland, C., Galatà, V., Spreafico, L., & Vietti, A. (2016). Production and perception of /r/ by bilinguals in South Tyrol. *Experimental Approaches to Perception and Production of Language Variation (ExAPP)* [\[program\]](#)

Kaland, C., Galatà, V., Spreafico, L., & Vietti, A. (2016). /r/ as Language Marker in Bilingual Speech Production and Perception. *Interspeech 2016*, 515–519. <https://doi.org/10.21437/Interspeech.2016-418> [\[pdf\]](#)

Kaland, C., & Postma-Nilsenová, M. (2014). Sound symbolic effects of intrinsic pitch and intrinsic intensity in Dutch vowels. In C. Gussenhoven, Y. Chen, & D. Dediu (Eds.), *The 4th International Symposium on Tonal Aspects of Languages* (pp. 160–163) [\[pdf\]](#)

Kaland, C. (2014). Adapting to atypical prosody: contrastive noun phrases in Dutch and Italian. Oral presentation *Comparative Syntax Meetings* (LUCL, Leiden University), March 27th 2014. [\[abstract\]](#)

Kaland, C. & Postma, M. (2012). Intrinsieke prosodie van klinkers. Oral presentation *Dag van de Fonetiek* (Utrecht), December 13th 2012. [\[abstract\]](#)

Kaland, C., Krahmer, E., & Swerts, M. (2012). Contrastive intonation in autism: The effect of speaker-and listener-perspective. *Proceedings of the 13th Annual Conference of the International Speech Communication Association (Interspeech)*, 1, 1046–1049 [\[pdf\]](#)

Kaland, C., Krahmer, E., & Swerts, M. (2012). Accentuation as a cue for speaker adaptation. In Q. Ma, H. Ding, & D. Hirst (Eds.), *Proceedings of the 6th International Conference on Speech Prosody 2012* (pp. 290–294). Tongji University Press [\[pdf\]](#)

Kaland, C., Krahmer, E., & Swerts, M. (2011). Contrastive intonation: Speaker- or listener-driven. In W. S. Lee & E. Zee (Eds.), *Proceedings of the 17th International Conference of Phonetic Sciences (ICPhs XVII)* (pp. 1006–1009). City University of Hong Kong [\[pdf\]](#)

Kaland, C., Krahmer, E., & Swerts, M. (2011). Salient in the mind, salient in prosody. In L. Carlson, C. Hoelscher, & T. Shipley (Eds.), *Proceedings of the 33rd Annual Conference of the Cognitive Science Society* (pp. 261–266). Austin, TX [\[pdf\]](#)

Kaland, C. , Krahmer, E. J. & Swerts, M. G. J. (2011). Prosody of privileged information. Oral presentation *ConSOLE XIX* (Groningen), January 5-8 2011.

Kaland, C. , Krahmer, E. J. & Swerts, M. G. J. (2010). Prosody of privileged information.

Poster presentation *Prosody Frontiers* (Leiden), November 19-20 2010.

Kaland, C., Krahmer, E. J. & Swerts, M. G. J. (2010). Prosody of privileged information. Poster presentation *TABU-Dag* (Groningen), June 2010.

Kaland, C., & Van Heuven, V. J. (2010). The structure-prosody interface of restrictive and appositive relative clauses in Dutch and German. In M. Hasegawa-Johnson (Ed.), *Proceedings of Speech Prosody 2010* (100064:1) [\[pdf\]](#)

Kaland, C. & Van Heuven, V. J. (2010). The structure-prosody interface of restrictive and appositive relative clauses in Dutch and German. Oral presentation *Anéla Juniorendag* (Leiden), January 29th 2010.

Kaland, C. & Van Heuven, V. J. (2009). De structuur-prosodie interface van beperkende en uitbreidende relatieve bijzinnen in het Nederlands en Duits. Oral presentation *Dag van de Fonetiek* (Utrecht), December 18th 2009. [\[abstract\]](#)

#### As co-author:

Albert, A., Kaland, C., Ellison, T. M., Cangemi, F., Winter, B., & Grice, M. (2024). Harvesting spontaneous speech data from digital reservoirs to study prosody. *19th Conference on Laboratory Phonology (LabPhon 19)* [\[abstract\]](#)

Jeon, H.-S., Kaland, C., & Grice, M. (2024). A cluster analysis of Korean IP-final intonation. *Proceedings of Speech Prosody*

Chem, V., Grice, M., Ellison, T. M., Cangemi, F., & Kaland, C. (2024). Phonetic reduction in Central Khmer. *33rd Annual Meeting of the Southeast Asian Linguistics Society (SEALS 33)*, 18 [\[abstract\]](#)

Seeliger, H., Lützel, A., & Kaland, C. (2023). The perception of German wh-phrase-final intonation: A contour clustering evaluation. *The 2nd International Conference on Tone and Intonation (TAI 2023)*, 10–14. <https://doi.org/10.21437/TAI.2023-3> [\[pdf\]](#)

Oh, G., Wang, C., & Kaland, C. (2023). Attractive Speech Rhythm in Mandarin Chinese. Poster presentation. *The 2nd International Conference on Tone and Intonation (TAI 2023)*

Farinella, A., Kaland, C., & Kaufman, D. (2023). Gesture and prosodic prominence in Ambonese Indonesian. In R. Skarnitzl & J. Volín (Eds.), *Proceedings of the 20th International Congress of Phonetic Sciences* (pp. 4196–4200). Guarant International [\[pdf\]](#)

Seeliger, H., & Kaland, C. (2022). Boundary tones in German wh-questions and wh-exclamatives - a cluster-based approach. In S. Frota & M. Vigário (Eds.), *Proceedings of the 11th International Conference on Speech Prosody 2022* (pp. 27–31). <https://doi.org/10.21437/SpeechProsody.2022-6> [\[pdf\]](#)

Kaland, C., Peck, N., Ellison, T. M., & Reinöhl, U. (2021). An initial exploration of the interaction of tone and intonation in Kera’a. *1st International Conference on Tone and Intonation (TAI)*, 132–136. <https://doi.org/10.21437/TAI.2021-27> [\[pdf\]](#)

Martínez García, N., & Kaland, C. (2019). The prosody of repeated mentions in Yucate-



can Spanish. In Sasha Calhoun, Paola Escudero, & Marija Tabain (Eds.), *Proceedings of the 19th International Congress of Phonetic Sciences* (pp. 2494–2498) [\[pdf\]](#)

Vietti, A., Spreafico, L., Galatà, V., & Kaland, C. (2017). Mapping language experience onto phonetic categories. Oral presentation *Workshop Speech Dynamics* (Munich), May 3-5, 2017. [\[pdf\]](#)

Vietti, A., Spreafico, L., Galatà, V., & Kaland, C. (2017). Mapping language experience onto phonetic categories. Oral presentation *Convegno Nazionale Associazione Italiana di Scienze della Voce* (AISV XIII, Pisa), January 25-27, 2017. [\[pdf\]](#)

Galatà, V., Spreafico, L., Vietti, A., & Kaland, C. (2016). An Acoustic Analysis of /r/ in Tyrolean. *Interspeech 2016*, 1002–1006. <https://doi.org/10.21437/Interspeech.2016-434> [\[pdf\]](#)

Spreafico, L., Vietti, A., Galatà, V., & Kaland, C. (2016). Sulla variazione allofonica: una prospettiva articolatoria. Oral presentation *Spoken Communication* (GSCP 2016, Naples), June 13-15, 2016. [\[program\]](#)

Postma-Nilsenova, M., Kaland, C., & Oversteegen, L. (2013). The power of words in the brain: Systematic sound-meaning associations in novel and existing words. In M. Knauff, M. Pauen, N. Sebanz, & I. Wachsmuth (Eds.), *Proceedings of the 35th Annual Conference of the Cognitive Science Society* (pp. 1145–1150). Cognitive Science Society [\[pdf\]](#)

Postma, M. & Kaland, C. (2012). Effects of Intrinsic F0. Poster presentation *Workshop Tone: Theory & Practice* (Leipzig), September 28-29, 2012. [\[pdf\]](#)

Borràs-Comes, J., Kaland, C., Shahid, C.S., Prieto, P. & Swerts, M.G.J. (2012). Multimodal expression of questions in two European languages. Poster presentation *The Fifth European Conference on Tone and Intonation* (Oxford), September 6-8, 2012.

Borràs-Comes, J., Kaland, C., Shahid, C.S., Prieto, P. & Swerts, M.G.J. (2012). Audiovisual correlates of interrogativity: a crosslinguistic study. Poster presentation *Conference on Laboratory Phonology* (LabPhon 13, Stuttgart), July 27-29 2012. [\[program\]](#)

Borràs-Comes, J., Kaland, C., Shahid, C.S., Swerts, M.G.J., & Prieto, P. (2012). Multimodal expression of questions in two European languages. Poster presentation *Brainglot Workshop* (IV, Catellòn de la Plana), November 25-26 2011.

Crespo-Sendra, V., Kaland, C., Swerts, M.G.J., & Prieto, P. (2011). Perceiving incredulity: the role of intonation and facial gestures. Oral presentation *Phonetics & Phonology in Iberia* (PaPI 2011, Tarragona), June 21-22 2011.

## Software

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Stress ‘deafness’ task PsyToolkit [doi: 10.17605/OSF.IO/XWMKA]. <https://osf.io/xwmka/>

Praat scripts [doi: 10.17605/OSF.IO/CR4VN]. <https://osf.io/cr4vn/>

Contour clustering. <https://constantijnkaland.github.io/contourclustering/>



## Teaching and talks

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Course *Prosodic Analysis*, BA, Summer semester 2024, University of Cologne

Workshop *Contour clustering: a tool for exploring prototypical f0 patterns*, June 2024, The 31st Annual Meeting of the Austronesian Formal Linguistics Association, University of Massachusetts, Amherst.

Workshop *Cluster analysis on f0 contours: advantages, pitfalls, challenges*, November 2023, LingLabs, University of Konstanz

Talk *Contour clustering as an exploratory tool for intonation analysis*, Methoden und Ansätze moderner phonetischer Forschung, June 2023, Institute for Phonetics and Speech Processing, Ludwig-Maximilians-Universität München

Keynote talk *Word stress in Papuan Malay: production, perception, and functional aspects*, Workshop Speech Units, April 2023, University of Zürich

Talk *Contour clustering: a tool to explore and analyse f0 contours in poorly annotated field data*, Workshop Speech Units, April 2023, University of Zürich

Course *Laboratory Phonology*, MA, Winter semester 2022/2023, University of Cologne

Course *Word prosody*, MA, Summer semester 2022, University of Cologne

Talk *Contour clustering: a tool for exploring prototypical f0 patterns*, Phonetics & Phonology Seminar January 2021, Dept. of Theoretical & Applied Linguistics, University of Cambridge

Talk *Repetition reduction in Papuan Malay prosody*, Colloquium, January 2018, IfL Phonetik, University of Cologne

Course *Prosody in Communication*, BA, Winter semester 2018/2019, Utrecht University

Talk *Contrastive intonation: evidence from autism*, Weekly Content Meeting, June 2017, IfL Phonetik, University of Cologne

Course *Prosody in English and Dutch*, BA, Winter semester 2016/2017, Utrecht University

Guest *Lecture Phonetics and Phonology*, BA, April 2016, University of Innsbruck

Course *Acoustic Phonetics*, BA, Summer semester 2015, University of Malta

Course *The meaning of intonational contours*, BA/MA, 2013/2014, Tilburg University

Guest lecture *Introduction to Linguistics*, BA, 2014, Tilburg University

Guest lectures *Nonverbal Communication*, MA, 2013/2014, Tilburg University

## Reviewing activities

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### Journals

Frontiers in Language - Psycholinguistics (review editor)

Frontiers in Psychology

Glossa / Lingua

Journal of the Acoustical Society of America

Journal of the International Phonetic Association

Journal of Phonetics

Laboratory Phonology

Language and Speech

Nature - Scientific Reports

Speech Communication

### Conferences

Speech Prosody 2024, Leiden, The Netherlands

The Second International Conference on Tone and Intonation (TAI 2023), Singapore

Multimodal Communication Symposium (MMSYM 2023), Barcelona, Spain

Speech Prosody 2022, Lisbon, Portugal

Prominence in Language 2022, Cologne, Germany

Speech Prosody 2020, Tokyo, Japan

Prominence in Language 2018, Cologne, Germany

Speech Prosody 2018, Poznań, Poland

Associazione Italiana Scienze della Voce (AISV 2018), Bozen-Bolzano, Italy

Doing Sociophonetics 2017, Bozen-Bolzano, Italy

Cognitive Science 2011, Boston, USA



## Funding

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2021	Second phase (2021-2024) funding SFB-1252, DFG (DE)
2019	Conference travel grant, DAAD (DE)
2017	2 year research grant, Free University of Bozen-Bolzano (IT)
2015	6 month Erasmus teaching grant, Tilburg University (NL)
2008	6 month Erasmus student grant, Leiden University (NL)