



Christine Nussbaum

Curriculum Vitae

Personal data

Date/place of birth 20 March 1994 in Freiberg, Germany
Nationality German
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Orcid ID 0000-0003-2718-2898

Education

01/2019 - 07/2023 **PhD**, dissertation title: "Vocal emotions on the brain: The role of acoustic parameters and musicality", *Friedrich Schiller University, Jena*.
Date of defense: 03 July 2023, grade: summa cum laude
10/2016 - 11/2018 **Master of Science Psychology**, *Friedrich Schiller University, Jena*,
Focus: Cognitive Psychology and Cognitive Neuroscience.
10/2013 - 09/2016 **Bachelor of Science Psychology**, *Friedrich Schiller University, Jena*.
09/2004 - 06/2012 **Abitur**, *Geschwister-Scholl-Gymnasium, Freiberg*.

Occupation

since 08/2023 **Post-doctoral Researcher**, Department for General Psychology and Cognitive Neuroscience, *Friedrich Schiller University, Jena*.
01/2019 - 07/2023 **PhD Student**, Department for General Psychology and Cognitive Neuroscience, *Friedrich Schiller University, Jena*.
10/2019 - 03/2020 **Lecturing Position**, Department for Methodology, *Friedrich Schiller University, Jena*.
07/2018 - 9/2018 **Internship** at the clinic for child neurology, *Hospital Italiano, Buenos Aires, Argentina*.
10/2017 - 07/2018 **Lecturing Position** at the Faculty of Social and Behavioral Sciences, *Friedrich Schiller University, Jena*.

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Scholarships und Awards

- 04/2020 - 03/2023 **PhD-Scholarship** by the German National Academic Foundation ("Studienstiftung des Deutschen Volkes").
- 07/2014 - 12/2018 **Student-Scholarship** by the German National Academic Foundation ("Studienstiftung des Deutschen Volkes").
- 2025 **Dissertation prize (3rd place)**, of the *German Psychological Society (DGPs)*, Division of General Psychology, Cologne.
- 2025 **Amélie-Mummendey-Award**, *Friedrich Schiller University*, Jena.
For outstanding scientific achievements of an early career researcher in psychology.
- 2025 **Lecture price**, *Friedrich Schiller University*, Jena.
per nomination by the audience at the Psy-Up conference.
- 2019 **Rainer-K.-Silbereisen-Award**, *Friedrich Schiller University*, Jena.
For best graduating master student in psychology.
- 2012 **Dr.-Anneliese-Bachmann-Award**, *Geschwister-Scholl-Gymnasium*, Freiberg.
For excellent performance at the Abitur and extraordinary engagement for the school.

Research interests, methods, and roles

- Interests Vocal emotion perception, voice adaptation, perception of naturalness in human and synthetic voices, perceived sexual orientation in voices
- Methods Quantitative research methods, lab- and online experimentation, electroencephalography (EEG), parameter-specific voice morphing
- Roles Lab manager of the High-resolution EEG Lab at the Department for General Psychology and Cognitive Neuroscience, coordinator of the Voice Research Unit (VRU), <https://www.voice.uni-jena.de/>

Research communication

- since 02/2023 Founding member and chairperson of *PhDSciCom e.V.* (Instagram, LinkedIn), an association for research communication in early career stages
- 12/2024 Interview: "Über Fehler in der Forschung sprechen" ("Talking about mistakes in science"), (<https://www.wissenschaftskommunikation.de/ueber-fehler-in-der-forschung-sprechen-82019/>)
- 2022 & 2024 Long Night of the Sciences 2022 and 2024 - organization and coordination of the events offered by the Department for General Psychology and Cognitive Neuroscience

Publications (peer-reviewed)

- [11] Lehnen, J.M., Schweinberger, S. R. & Nussbaum, C.(2025) Vocal Emotion Perception and Musicality - Insights from EEG Decoding. *Sensors*, 25(6), 1669. <https://doi.org/10.3390/s25061669>
- [10] Nussbaum, C., Frühholz, S., & Schweinberger, S. R. (2025) Understanding Voice Naturalness. *Trends in Cognitive Sciences*, 29(5), 467-480. <https://doi.org/10.1016/j.tics.2025.01.010>

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- [9] Nussbaum, C., Schirmer, A., & Schweinberger, S. R. (2024) Musicality – Tuned to the Melody of Vocal Emotions. *British Journal of Psychology*, 115(2), 206–225. <https://doi.org/10.1111/bjop.12684>
- [8] Nussbaum, C., Schirmer, A., & Schweinberger, S. R. (2023) Electrophysiological correlates of vocal emotional processing in musicians and non-musicians. *Brain Sci.* 2023, 13, 1563. <https://doi.org/10.3390/brainsci13111563>
- [7] Kachel, S., Pöhlmann, M., & Nussbaum, C. (2023) Queer Events, Relationships, and Sports: Does Topic Influence Speakers' Acoustic Expression of Sexual Orientation? *Proc. INTERSPEECH 2023*, 4269–4273, <https://doi.org/10.21437/Interspeech.2023-2087>
- [6] Nussbaum, C., Pöhlmann, M.; Kreysa, H., & Schweinberger, S. R. (2023) Perceived Naturalness of Emotional Voice Morphs. *Cognition & Emotion*, Advance Online, <https://doi.org/10.1080/02699931.2023.2200920>
- [5] Nussbaum, C., Schirmer, A., & Schweinberger, S. R. (2022). Contributions of Fundamental Frequency and Timbre to Vocal Emotion Perception and their Electrophysiological Correlates. *Social Cognitive and Affective Neuroscience*, 17 (12), 1145–1154, <https://doi.org/10.1093/scan/nsac033>
- [4] von Eiff, C. I. von, Skuk, V. G., Zäske, R., Nussbaum, C., Frühholz, S., Feuer, U., Guntinas-Lichius, O., & Schweinberger, S. R. (2022). Parameter-Specific Morphing Reveals Contributions of Timbre to the Perception of Vocal Emotions in Cochlear Implant Users. *Ear and Hearing*, 43(4), 1178–1188, <https://doi.org/10.1097/aud.0000000000001181>
- [3] Nussbaum, C., von Eiff, C. I. von, Skuk, V. G., & Schweinberger, S. R. (2022). Vocal emotion adaptation aftereffects within and across speaker genders: Roles of timbre and fundamental frequency. *Cognition*, 219, 104967. <https://doi.org/10.1016/j.cognition.2021.104967>
- [2] Nussbaum, C., & Schweinberger, S. R. (2021). Links Between Musicality and Vocal Emotion Perception. *Emotion Review*, 13(3), 211–224. <https://doi.org/10.1177/17540739211022803>
- [1] Schweinberger, S. R., von Eiff, C. I., Kirchen, L., Oberhoffner, T., Guntinas-Lichius, O., Dobel, C., Nussbaum, C., Zäske, R., & Skuk, V. G. (2020). The Role of Stimulus Type and Social Signal for Voice Perception in Cochlear Implant Users: Response to the Letter by Meister et al. *Journal of Speech, Language, and Hearing Research*, 63(12), 4327–4328. https://doi.org/10.1044/2020_JSLHR-20-00595

Conference contributions

- [16] Nussbaum, C. (May 2025) Vocal emotions on the brain: The role of acoustic parameters and musicality. Talk at the Symposium of the 14th dissertation competition of general psychology, Cologne, Germany.
- [15] Nussbaum, C. (January 2025) Do I sound odd to you? – Perceived naturalness in voices. Talk at the Psy-UP conference, Jena, Germany.

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- [14] Nussbaum, C., Stelter M., Plettenberg, M., & Kaiser, C. (December 2024) Fehlerkultur in der Wissenschaftskommunikation – Zwischen Transparenz und Perfektionsanspruch. Workshop at the Forum for Science Communication, Berlin, Germany.
- [13] Schweinberger, S.R., Yang, Y., Wechsler, R., & Nussbaum, C. (October 2024) Hear your (E)motion in dancing: Effects of motion-sound congruency and motion-modulated music on perceived sense of agency and motor activity. Poster presentation at the 62. Annual Meeting of the Society for Psychophysiological Research (SPR), Prag, Czech Republic.
- [12] Nussbaum, C. & Schweinberger, S. R. (Oktober 2024) Electrophysiological insights into the role of musicality for vocal emotion perception. Talk at the 64. Annual Meeting of the Society for Psychophysiological Research (SPR), Prag, Czech Republic.
- [11] Nussbaum, C. & Schweinberger, S. R. (August 2024) Naturalness of voices – from human to artificial agents. Talk at the 2nd VoiceID, Marburg, Germany
- [10] Kachel, S., Pöhlmann, M., & Nussbaum, C. (June, 2024). Straighter Voice Information Leads to Straighter Perceptions: Causal Implications for Sexual Orientation Perception Using a Voice-Morphing Approach. Panel contribution at the 18th International Conference on Language and Social Psychology (ICLASP18:24), Talinn, Estonia. [Part of Panel: Fasoli, F., & Kachel, S. (2024). Voice-based perception of minority groups: Processes and consequences.]
- [9] Nussbaum, C. (April 2024) The interplay of perceived naturalness and emotionality in voices. Invited talk at Symposium accompanying the 31st EPS Prize Lecture. Experimental Psychology Society (EPS), Nottingham, UK
- [8] Nussbaum, C., Schirmer, A., & Schweinberger, S. R. (October 2023) Links Between Musicality and Vocal Emotion Perception – a Matter of Music Training or Natural Auditory Sensitivity? Poster presentation at CELISE (Center for Lifespan Developmental Science) workshop, Jena, Germany
- [7] Nussbaum, C., Schirmer, A., & Schweinberger, S. R. (July 2023) Integration of auditory cues for vocal emotion perception – differences between musicians and non-musicians. Talk at the 21. World Congress of Psychophysiology (IOP), Geneva, Switzerland
- [6] Nussbaum, C., Schirmer, A., & Schweinberger, S. R. (March 2023) Sensitive to Melodies – How musicality benefits the processing of vocal emotions. Talk at the 65. Conference of Experimental Psychologists (TeaP), Trier, Germany.
- [5] Nussbaum, C. (September/October 2022) Links Between Musicality and Vocal Emotion Perception: Acoustic parameters and electrophysiological correlates. Talk at the 62. Annual Meeting of the Society for Psychophysiological Research (SPR), Vancouver, Canada. [Part of Symposium: Anderson, C. A., Schweinberger, S. R. (2022) Multimodal socio-emotional communication: Basic mechanisms and functioning in altered sensory and central conditions]

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- [4] Nussbaum, C., Pöhlmann, M., Kreysa, H., & Schweinberger, S. R. (March 2022) Perceived naturalness of emotional voice morphs. Talk at the 64. Conference of Experimental Psychologists (TeaP), Cologne, Germany.
- [3] Nussbaum, C. (September 2021) Musicality and the capacity to perceive emotions in voices [Musikalität und die Fähigkeit zur Emotionserkennung in der menschlichen Stimme]. Talk at the training workshop of the Herbert Feuchte Stiftungsverbund in Schleiz, Germany.
- [2] Wulf, C. (birthname), Eiff, C. I. von, Skuk, V. G., Frühholz, S., & Schweinberger, S. R. (March 2020, cancelled) The role of timbre and fundamental frequency in vocal emotion adaptation. Talk at the 62. Conference of Experimental Psychologists (TeaP), Jena, Germany.
- [1] Wulf, C. (birthname), Eiff, C. I. von, Skuk, V. G., & Schweinberger, S. R. (January 2020) The role of timbre and fundamental frequency in vocal emotion adaptation. Poster presentation at the Experimental Psychology Society (EPS) London Meeting, London, UK.

Funding

- [2] HORIZON-MSCA Doctoral Network (>€4.000.000 for the whole network encompassing 20 partner institutions, ~€260.000 for the project “Neurocognitive processing of voice naturalness in human and synthetic voices; funding period 2025-2028).
- [1] PhD-Scholarship by the German National Academic Foundation (~€52.000; funding period 2020-2023)

Peer-reviews for scientific journals

Biological Psychology
 Brain and Language
 British Journal of Psychology
 Cognition
 Cognition and Emotion
 Communications Psychology
 Cortex
 Humanities and Social Sciences Communications
 In-Mind Magazine
 Journal of Experimental Psychology: Human Perception and Performance
 Journal of Nonverbal Behavior
 PLOS ONE
 Quarterly Journal of Experimental Psychology
 Royal Society Open Science
 Speech Communication

Teaching

- Seminars Neuropsychology of auditory processing (M. Sc., Winter semester (WS) 20/21, WS 21/22, Summer semester (SS) 22, SS 23, WS 23/24, Language of Instruction: English)
- Current Trends in Psychological Science regarding Good Scientific Practice (M. Sc., SS 23, WS 23/24, SS 24, WS 24/25, SS25, Language of Instruction: English)
- Person Perception (M. Sc., SS 19, Language of Instruction: English)
- Empirical Research Seminar (B. Sc., WS 17/18, SS 18, WS 19/20, SS 20, SS25)
- Workshops How to conduct power analyses (02/2021, 01/2022, 01/2023, 01/2024 & 12/2024)
- Data visualization (04/2021)
- Data analysis with R (02/2022 & 05/2024)
- Programming online experiments with PsyToolkit (12/2021, 02/2023, 01/2024 & 1/2025)
- Tutorials Research evaluation (M. Sc., WS 19/20)
- E-Prime & R-Tutorial (B. Sc., 2016-2018)
- Multivariate statistics (B. Sc., WS 16/17 & WS 17/18)
- Classical test theory (B. Sc., SS 16)
- Regression (B. Sc., WS 15/16)

Supervised theses

Master of Science

- [3] Senftleben, J. (2024) Vocal Emotion Perception in non-professional Singers and Instrumentalists.
- [2] Lehnen, J. (2023) Decoding Vocal Emotions in the EEG.
- [1] Marquardt, J. (2021) The Effect of Adaptation to Caricatures and Anti-caricatures in Auditory Perception of Emotion.

Bachelor of Science

- [13] Andres, J. (2025) Untersuchung der systematischen Modulation des Adaptationseffektes bei der Wahrnehmung emotionaler Stimmen in Abhängigkeit des gewählten Pseudowortes.
- [12] Würfel, L. (2025) Untersuchung der systematischen Modulation des Adaptationseffektes bei der Wahrnehmung emotionaler Stimmen in Abhängigkeit des der Sprecheridentität
- [11] Arslan, S. (2024) Die Auswirkung von künstlich veränderter Sprechgeschwindigkeit auf die Wahrnehmung von Emotionen in der Stimme.
- [10] Micus, K. (2024) Zusammenhang von Spitznamen und Persönlichkeit.

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- [9] Otto-Schneider, P. (2024) Die Rolle von Spitznamen: Vom Berufsleben über Freundschaft und Familie bis zur Partnerschaft.
- [8] Seifert, S. (2024) Effekte von Post-Event-Informationen (PEI) auf das Ohrenzeugengedächtnis.
- [7] Yang, Y. (2023) Effects of an intervention with the MotionComposer on the Sense of Agency.
- [6] Saibou, S. (2022) Die Rolle von Farbwahrnehmung für das Lernen und Erinnern von Gesichtern.
- [5] Endler, P. (2022) Sind Polizisten die besseren Augenzeugen? Eine vergleichende Studie zwischen Polizisten und Nicht-Polizisten zum Einfluss des Waffenfokuseffekts auf die Genauigkeit von Augenzeugenaussagen.
- [4] Berges, D. (2022) Untersuchung der systematischen Modulation des Adaptationseffektes bei der Wahrnehmung emotionaler Stimmen in Abhängigkeit des Sprechergeschlechts.
- [3] Pöhlmann, M. (2021) The Effect of Acoustic Parameters on Perceived Naturalness and Emotion in Voices.
- [2] Luther, L. J. (2021) Eine neue Ansatzweise für das Voice Morphing zur Erzeugung kontrolliert natürlicher, modifizierter Stimmen.
- [1] Eckert, S. (2020) Die Rolle von Klangfarbe (Timbre) und Grundfrequenz bei Adaptation auf Emotionen in Stimmen im „cross-gender“-Paradigma.

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