



Christine Nussbaum

Curriculum Vitae

Personal data

Date/place of birth 20 March 1994 in Freiberg, Germany
Nationality German
E-Mail christine.nussbaum@uni-jena.de
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").
- 2019 **Rainer-K.-Silbereisen-Award**, *Friedrich Schiller University*, Jena.
For best graduating master student in psychology.

Research interests and methods

- Interests Vocal emotion perception, voice adaptation, perception of voice naturalness, perceived sexual orientation in voices
- Methods Quantitative research methods, lab- and online experimentation, electroencephalography (EEG), parameter-specific voice morphing

Research communication

- since 02/2023 Founding member and chairperson of *PhDSciCom* (Instagram, LinkedIn), an association for research communication in early career stages
- 11/2022 Long Night of the Sciences 2022 - organization and coordination of the events offered by the Department for General Psychology and Cognitive Neuroscience

Publications (peer-reviewed)

- [9] Nussbaum, C., Schirmer, A., & Schweinberger, S. R. (2023) Electrophysiological correlates of vocal emotional processing in musicians and non-musicians. *Brain Sciences* 2023, 13, 1563. <https://doi.org/10.3390/brainsci13111563>
- [8] Nussbaum, C., Schirmer, A., & Schweinberger, S. R. (2023) Musicality – Tuned to the Melody of Vocal Emotions. *British Journal of Psychology*, Advance Online. <https://doi.org/10.1111/bjop.12684>
- [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>

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- [4] von Eiff, C. I. von, Skuk, V. G., Zäske, R., Nussbaum, C., Fröhholz, 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

- [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]
- [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.

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- [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

Cognition

Cognition and Emotion

Communications Psychology

Cortex

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, Language of Instruction: English)

Person Perception (M. Sc., SS 19, Language of Instruction: English)

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- Empirical Research Seminar (B. Sc., WS 17/18, SS 18, WS 19/20, SS 20)
- Workshops How to conduct power analyses (02/2021, 01/2022, 01/2023 & 01/2024)
 Data visualization (04/2021)
 Data analysis with R (02/2022 & 05/2024)
 Programming online experiments with PsyToolkit (12/2021, 02/2023 & 01/2024)
- 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

- [2] Lehnen, J. (2023) Decoding Vocal Emotions in the EEG.
- [1] Marquardt, J. (2021) The Effect of Adaptation to Caricatures and Anticaricatures in Auditory Perception of Emotion.

Bachelor of Science

- [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.