



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 Member of *PhDSciCom* (<https://www.instagram.com/phdscicom/>), a platform for research communication - for PhDs by PhDs
- 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

- [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

- [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.
- [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.

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- [2] Wulf, C. (birthname), Eiff, C. I. von, Skuk, V. G., Fröhholz, 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.

Peer-reviews for scientific journals

Biological Psychology

Brain and Language

Cognition and Emotion

Journal of Experimental Psychology: Human Perception and Performance

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)
- Good Scientific Practice (M. Sc., SS 23, WS 23/24, 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)
- Workshops How to conduct power analyses (02/2021, 01/2022, 01/2023 & 01/2024)
- Data visualization (04/2021)
- Data analysis with R (02/2022)
- 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.

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- [1] Marquardt, J. (2021) The Effect of Adaptation to Caricatures and Anticaricatures in Auditory Perception of Emotion.

Bachelor of Science

- [9] Yang, Y. (2023) Effects of an intervention with the MotionComposer on the Sense of Agency.
- [8] Saibou, S. (2022) Die Rolle von Farbwahrnehmung für das Lernen und Erinnern von Gesichtern.
- [7] 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.
- [6] Gutteck, M. (2022) Untersuchung zu Antworttendenzen im Jena Voice Learning and Memory Test (JVLMT).
- [5] Gärtner, L. (2022) Validierung des Jena Voice Learning and Memory Tests unter kontrollierten Laborbedingungen.
- [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.

Location, Date

Signature