

## PROFILE

Techno-philosopher; PhD student at the University of Western Australia (UWA); musician in retirement; former marketing project manager and ICU nurse; neurodivergent since 1987.

## RESEARCH INTEREST

David's research explores (auditory) media technologies through an interdisciplinary lens, integrating art, science, and philosophy. His current PhD project, *Phenomenology of Bionic Sensation*, investigates the relationship between sound and hearing based on the neurotechnology cochlear implant. David's broader interests include media art, quantum theory, and cognitive science, with a focus on how we process, manipulate, and understand data in the age of neurotechnology.

## PERSONAL INFO

Name: David Friedrich  
E-mail: david.friedrich@research.uwa.edu.au  
Portfolio: davids-digital.me

## EDUCATION

- 05/2022-Present **University of Western Australia (Perth, Australia)**  
Conservatorium of Music  
PhD (Expected graduation date: November 2025)  
Research thesis: *Phenomenology of Bionic Sensation. Rethinking the relationship between sound and hearing based on the cochlear implant.*
- 10/2018-06/2021 **Humboldt University of Berlin (Germany)**  
Media Studies  
Master of Arts  
Research thesis: *The Duality of Sound. A Media Scientific Critique of the Temporality of Sonic Signals. (In German)*
- 10/2015-09/2018 **Humboldt University of Berlin (Germany)**  
Musicology (Major) | Media Studies (Minor)  
Bachelor of Arts  
Research thesis: *Pay. Play. Repeat. The Media-Cultural Time Form of the Coin-Operated Phonograph in the USA, 1889-1896. (In German)*
- 08/2006-07/2009 **Rhön Hospital Hildesheim (Germany)**  
Apprenticeship as a nurse  
State Examination

## WORK EXPERIENCE

- 05/2022-Present **University of Western Australia (Perth, Australia)**  
PhD Student, lecturer / teacher
- 08/2021-02/2022 **Wildstyle Network (Dresden, Germany)**  
Marketing Project Manager  
Clients: ZEISS, Fujitsu
- 10/2018-07/2021 **Humboldt University of Berlin (Germany)**  
Department of Musicology and Media Studies  
Student Assistant for Prof. W. Ernst
- 11/2016-11/2019 **Fritz Unsigned (Radio Fritz /rbb)**  
Assistant & Social Media Manager
- 2018 **Freelancer**  
Journalist  
Radio reports for the rbb
- 08/2009-03/2018 **Working as nurse on ICU**

## TEACHING EXPERIENCE

- 2022-Present **The University of Western Australia (Perth, Australia)**  
School of Biological  
Neuroscience in Society (undergrad course)  
Position: Tutor for "creative work" and "scientific writing"
- Conservatorium of Music  
Position: Lecturer/ teacher for *Electronic Music: Methods and Means*; *Music, Society, and Ideas*; *Music Theory for Electronic Musicians*.
- 2020 **Humboldt University of Berlin (Germany)**  
Department for Musicology and Media Studies  
Module: Digital Media (undergrad course)  
Position: Teacher (together with Sebastian Kawanami-Breu)

## SCHOLARSHIP

- 05/2022–Present **University Postgraduate Award**  
University of Western Australia (Perth, Australia)
- 05/2022–Present **University of Western Australia International Fee Scholarship**  
University of Western Australia (Perth, Australia)
- 04/2020–03/2021 **Humboldt-Scholarship**  
(As part of the Germany Scholarship program)

## AWARDS

- 2023 **Der Internationale Deutsche PR-Preis**  
Project: ZEISS Digital Anniversary Radio. Company: Wildstyle Network. Role: Project Manager. Client: ZEISS. Category: Medien der internen Kommunikation.
- 2022 **INKOMETA Award 2022**  
Project: ZEISS Digital Anniversary Radio. Company: Wildstyle Network. Role: Project Manager. Client: ZEISS. Category: International Internal Communication.
- PR Report Award 2022**  
Project: ZEISS Digital Anniversary Radio. Company: Wildstyle Network. Role: Project Manager. Client: ZEISS. Category: Event- and Livekommunikation.
- European Excellence Award 2022**  
Project: ZEISS Digital Anniversary Radio. Company: Wildstyle Network. Role: Project Manager. Client: ZEISS. Category: Digital Event.

## PUBLICATIONS

### AS EDITOR

- 2024 Napolitano, Domenico, David Friedrich, and Neta Alexander (Eds.). 2024. "Media and Disability – Part 2: Sensorialities, practices, representations." *PuntOorg International Journal*, 9 (2). <https://doi.org/10.19245/25.05.pij.9.2.1> [Accessed August 17, 2024].
- Napolitano, Domenico, David Friedrich, and Neta Alexander (Eds.). 2024. "Media and Disability – Part I: Organizing between bodies and technologies." *PuntOorg International Journal*, 9 (1). <https://doi.org/10.19245/25.05.pij.9.1.1> [Accessed August 17, 2024].
- 2021 Ernst, Wolfgang. 2021. *Geistervorlesung. Techniknahe Analyse in Zeiten der Pandemie* [Ghost Lecture. Technological analysis in times of pandemic], ed. Thomas Fecker & David Friedrich, Glückstadt: vvh. ISBN 978-3-86488-171-8.

### AS AUTHOR

- 2026 Friedrich, David. 2026. "Phenomenology of Bionic Sensation. Rethinking the Relationship Between Sound and Hearing Based on the Cochlear Implant." Ph. D., University of Western Australia. (In preparation).
- 2025 Friedrich, David. 2025. "Embodied Agential Realism: World's Becoming *Through* the Neurotechnology Cochlear Implant." Chapter in *Automation Cultures*, ed. Sarah Collins, Ionat Zurr, Oron Catts, and Elizabeth Stephens. Cambridge, Massachusetts: MIT Press (Leonardo Book Series). (Accepted/ In review).
- 2024 Friedrich, David. 2024. "Neurotechnologies and their Hardwired Politics: Insights from the Cochlear Implant." (Submitted/ In review).

- Friedrich, David. 2024. "Beyond Acoustics: The Impact of Cochlear Implants on Sound Perception." *Nova Contemporary Music Journal* 4. (Accepted/ In press).
- 2021 Friedrich, David. 2021. *The Duality of Sound. Eine medienwissenschaftliche Zeitkritik des sonischen Signalwesens. [A Media Scientific Critique of the Temporality of Sonic Signals]*. Master thesis published on the edoc-server of the Humboldt University of Berlin. <https://doi.org/10.18452/22911> [Accessed August 17, 2024].
- 2020 Friedrich, David. 2020. "Cyborg Voice. Der Auto-Tune Effekt als Klangästhetik des Humanoiden. Ein medienarchäologisches Statement" [The Auto-Tune effect as sound aesthetic of the humanoid. A media archaeological statement]. In *Wissen im Klang. Neue Wege der Musikästhetik*, ed. José Gálvez, Jonas Reichert, and Elizaveta Willert, 163–78. Bielefeld: Transcript. ISBN: 978-3-8376-5149-2.
- 2019 Friedrich, David. 2019. "Xenodigital Storage. Zu Gast im fremden System" [Guest in a Foreign System]. In *Institut für Musikwissenschaft und Medienwissenschaft. Hausarbeiten & Essays*. URL: [https://www.musikundmedien.hu-berlin.de/de/medienwissenschaft/medientheorien/hausarbeiten\\_essays/pdfs/xenodigital-storage.pdf](https://www.musikundmedien.hu-berlin.de/de/medienwissenschaft/medientheorien/hausarbeiten_essays/pdfs/xenodigital-storage.pdf) [Accessed August 17, 2024].
- 2018 Friedrich, David. 2018. *Pay. Play. Repeat. Die medienkulturelle Zeitgestalt des Münzphonographen in den USA, 1889–1896* [The Media-cultural Time Form of the Coin-operated Phonograph in the USA, 1889–1896]. Bachelor thesis published on the edoc-server of the Humboldt University of Berlin. <https://doi.org/10.18452/22911> [Accessed August 17, 2024].
- 2017 Friedrich, David. 2017. "Das operative Ohr. Abseits der Akustik" [The Operating Ear. Beyond Acoustics]. In *Institut für Musikwissenschaft und Medienwissenschaft. Hausarbeiten & Essays*. URL: [https://www.musikundmedien.hu-berlin.de/de/medienwissenschaft/medientheorien/hausarbeiten\\_essays/pdfs/das-operative-ohr-abseits-der-akustik.pdf](https://www.musikundmedien.hu-berlin.de/de/medienwissenschaft/medientheorien/hausarbeiten_essays/pdfs/das-operative-ohr-abseits-der-akustik.pdf) [Accessed August 17, 2024].
- Friedrich, David. 2017. "Das Medienschöne. Evolution der Ästhetik" [The Medienschöne. Evolution of Aesthetics]. In *Institut für Musikwissenschaft und Medienwissenschaft. Hausarbeiten & Essays*. URL: [https://www.musikundmedien.hu-berlin.de/de/medienwissenschaft/medientheorien/hausarbeiten\\_essays/pdfs/Das%20Medienschone%20-%20Evolution%20der%20Asthetik\\_DavidFriedrich.pdf](https://www.musikundmedien.hu-berlin.de/de/medienwissenschaft/medientheorien/hausarbeiten_essays/pdfs/Das%20Medienschone%20-%20Evolution%20der%20Asthetik_DavidFriedrich.pdf) [Accessed August 17, 2024].
- NON-TRADITIONAL RESEARCH OUTCOME
- 2024 Friedrich, David. 2024. *Naughty Box* (performance/ exhibition) at *Electronic Music and Sound Design Exhibition and Showcase Week*, Oct. 30 – Nov. 06, Perth (Australia).
- 2023 Buchholz, Patrick, and David Friedrich. 2023. "Das Ende der Menschheit ist die bessere Realität." [The End of Humanity is the Better Reality]. In *Zerteilte Zukünfte* (Podcast), released on May 08. URL: <https://podcasts.apple.com/de/podcast/322-das-ende-der-menschheit-ist-die-bessere-realit%C3%A4t/id1609852611?i=1000612098865> [Accessed August 17, 2024].
- Buchholz, Patrick, and David Friedrich. 2023. "Musik-KI klont Drake & The Weeknd [Heart On My Sleeve]." [Music AI Clone Drake & The Weeknd]. In *Zerteilte Zukünfte* (Podcast), released on April 23. URL: <https://podcasts.apple.com/de/podcast/320-musik-ki-klont-drake-the-weeknd-heart-on-my-sleeve/id1609852611?i=1000610283559> [Accessed August 17, 2024].
- 2022 Buchholz, Patrick, Jan Claas van Treeck, and David Friedrich. 2022. "Neuro-Biotechnologie mit David Friedrich." [Neuro Biotechnology with David Friedrich]. In *Zerteilte Zukünfte* (Podcast), released on Sep. 4. URL: <https://podcasts.apple.com/de/podcast/211-neuro-biotechnologie-mit-david-friedrich/id1609852611?i=1000578283703> [Accessed August 17, 2024].
- 2018–2024 Friedrich, David. 2018. *Theremin for the Deaf* (permanent exhibition) at Media Archaeological Fundus (Humboldt University of Berlin), Berlin (Germany). URL: <https://www.musikundmedien.hu-berlin.de/de/medienwissenschaft/medientheorien/fundus/thereminforthe deaf> [Accessed August 17, 2024].
- 2019 Friedrich, David. 2019. *DNA Based Music Machine* (rendered creative work). URL: <https://soundcloud.com/user-120169950/dna-based-music-machine> [Accessed August 17, 2024].
- 2018 Friedrich, David. 2018. *Theremin for the Deaf* (performance) at Scenes of Media Theater, Berlin (Germany), June 12.
- Friedrich, David. 2018. *Theremin for the Deaf* (performance) at Fachtagung der Deutschen Cochlea-Implant Gesellschaft [Symposium of the German Cochlear-Implant Society], Hamburg (Germany), May 26.
- Friedrich, David. 2018. "CI-Träger hören mehr: Musik ohne Akustik" [CI users hear more: music without acoustics]. Article in magazine *Schnecke* 99/29 (March), published by the *Deutschen Cochlea Implantat Gesellschaft* [German Cochlear-Implant Society].
- Friedrich, David. 2018. *Theremin for the Deaf* (performance) at Dramaturgie der Signale, Berlin (Germany), February 15..
- 2017 Friedrich, David. 2017. *Sounds like Berlin* (rendered creative work). URL: <https://youtu.be/5nzGrWVZNkw> [Accessed August 17, 2024].
- TECHNOLOGY
- 2021 *Geistervorlesung* (webserver). Idea & Concept. Realised together with Thomas Fecker. URL: <https://www.geistervorlesung.de/> [Accessed August 17, 2024].
- 2019 *TOUR IT YOURSELF* (iOS App). Idea & Concept. In cooperation with Digital.Wolff, Plotz & Co GmbH..

## PRESENTATIONS

- 2024  
47th National Conference of the Musicological Society of Australia. "Naughty Box. Revealing the Entangled Relation between Sound and Hearing with Moans of Pleasure." Online. Nov. 28–30.  
2024 Musicological Society of Australia WA Chapter Conference. "Naughty Box. Revealing the Entangled Relation between Sound and Hearing with Moans of Pleasure." Perth / Australia. Nov. 15.  
Diffractions: An International Symposium on Barad and Music Studies. "The Entangled Relationship between Sound and Hearing: Introducing A Sense Ontology." Brisbane / Australia. Sep. 26–28.
- 2023  
Automation Culture: Intersections Between Automation, Art, and Living Systems. "From Gold to Naughtiness: Disclosing the Nature of the Cochlear Implant via the Sound Installation "Naughty Box." Perth / Australia. Nov. 17–19.  
Colloquium Sound & Sensory Studies (Sound Studies Lab). "Do Theremins have Politics? Or: From the "Theremin of the Deaf" to the Bionic Sense of Hearing." Copenhagen / Denmark. Oct. 10.  
24th Annual Western University Graduate Symposium on Music (WUGSOM). "Not without my discipline: Adding techno-philosophy to the multidisciplinary nature of the cochlear implant." London / Canada. Aug. 25–26.  
11th International Scientific Meeting for Sound, Music and Musical Instrument Studies. "Let's talk about the Cochlear Implant and its impact on our understanding of sound." Coimbra / Portugal. July 21-24.  
Arts and Humanities in Digital Transition. "Beyond Biology: The Impact of Neurotechnology on Human Sensory Experience". NOVA FCSH (Lisbon / Portugal). July 6.  
NOVA Contemporary Music Meeting. "Beyond Acoustics: The Impact of Cochlear Implants on Sound Perception". NOVA. FCSH (Lisbon / Portugal). May 3-5.  
Conservatorium of Music. "Hearing like a hammerhead shark? How a techno-philosophical investigation of the cochlear implant alters our understanding of sound perception." UWA (Perth / Australia). March 28.  
Media and Communication Research Seminar. "The Cochlear Implant: A Media Theory about its Influence on Human Sensory Experience". UWA School of Social Sciences (Australia). February 10.  
Medien, die wir meinen [Media in our sense]. "Let's talk about the technologos of the cochlear implant". [via Zoom]. Berlin (Germany). February 8.
- 2022  
Musicological Society of Australia. Western Australia Chapter Conference. "There is no Natural Hearing". UWA Conservatorium of Music (Australia). November 28.  
EMSD Forum. "Live. Recording. Sound– A (personal) Journey to our understanding of sound". UWA Conservatorium of Music (Australia). August 3.  
PuntoOrg. Discussants at the book presentation "Diminished Faculties" (Jonathan Sterne) [via Zoom]. Worldwide. June 20..
- 2021  
Medien, die wir meinen [Media in our sense]. "The Duality of Sound" [via Zoom]. Berlin (Germany). February 17th.
- 2019  
Reeperbahn Festival 2019. *Tour It Yourself*. Hamburg (Germany). September 19..  
Akustische Dokumente/ Sonic Documents. "Wax & Coins. Das Phonogramm im Zeitalter der mechanischen Reproduzierbarkeit" [The Phonogram in the Age of Mechanical Reproducibility]. Bochum (Germany). January 18.
- 2018  
31st. DVSM-Symposium. "Cyborg Voice. Die Klang-Ästhetik des Humanoiden als Diskursfigur" [The Sound Aesthetics of the Humanoid as a Discourse Figure]. Berlin (Germany). November 9.  
Technologies of Singing. "Wax & Nickels". Detmold (Germany). November 2.
- 2017  
Game Circuit #18. "Ludus Computatorius – Das Spiel im Schatten der Maschine" [The Game in the Shadow of the Machine]. Berlin (Germany). May 12.

## MUSIC RELEASES

- 2016  
*From Synthwave To Evergreen* (EP). 2016. Artist: Teresa Caballo (solo project). 6 Tracks. Label: recordjet GTIN/EAN/UPC 4050215212350.  
*LIVE LIVE LIVE* (live EP). 2016. Artist: Teresa Caballo (solo project). 5 Tracks. Label: recordjet GTIN/EAN/UPC 4050215199392.  
*Persuasion* (LP). 2016. Artist: Teresa Caballo (solo project). 11 Tracks. Label: Caballo Records GTIN/EAN/UPC 4050215166813.
- 2015  
*The Legendary Mercy Notes* (EP). 2015. Artist: Teresa Caballo (solo project). 5 Tracks. Label: Caballo Records GTIN/EAN/UPC 4050215126114.

- 2014 *Love Appears* (EP). 2014. Artist: Disco Love Machine (band member). 3 Tracks. GTIN/EAN/UPC 4050215095663.
- 2013 *Live im Kesselhaus* (live EP). 2013. Artist: Disco Love Machine (band member). 5 Tracks. GTIN/EAN/UPC 4050215061248.  
*Disco Love Machine* (LP). 2013. Artist: Disco Love Machine (band member). 9 Tracks. GTIN/EAN/UPC 4050215039544.
- 2007 *Ramona* (single). 2007. Artist: Exit Inside (band member). In *Video Kings O. S. T.*, Label Steamhammer (SPV), ASIN : B000UVLK44.

#### VIDEOS

- 2016 *Spread My Love*. 2016. Artist: Teresa Caballo (solo project). URL: <https://youtu.be/kSQ30K4q1xQ>.  
*Don't Call Me A Machine*. 2016. Artist: Teresa Caballo (solo project). URL: <https://youtu.be/mFxiyvzltz>.
- 2015 *Downtown*. 2015. Artist: Teresa Caballo (solo project). URL: [https://youtu.be/Xp\\_mjUVuyXM](https://youtu.be/Xp_mjUVuyXM).  
*White Boy*. 2015. Artist: Teresa Caballo (solo project). URL: [https://youtu.be/O\\_vm06qcm1A](https://youtu.be/O_vm06qcm1A).
- 2014 *Tracks (Love Appears Remix) LIVE*. 2014. Artist: Disco Love Machine (band member). URL: <https://vimeo.com/122889891>.  
*Tracks (Love Appears Remix)*. 2014. Artist: Disco Love Machine (band member). URL: <https://vimeo.com/106272522>.
- 2013 *MONO*. 2013 Artist: Disco Love Machine (band member). URL: <https://vimeo.com/86891739>.  
*Live im Kesselhaus*. 2013. Artist: Disco Love Machine (band member). URL: <https://vimeo.com/78466320>.
- 2008 *Ramona*. 2008. Artist: Exit Inside (band member). In: Video Kings (DVD), Hannover: SPV Vision. ASIN: B0013LG9H8.

#### ENGAGEMENT

- 01/2020–05/2021 TEDxHu Berlin (Independent organized TED Events)  
 ▶ Co-organizer (since 03/2020).
- 01/2020 Transmediale Festival 2020  
 ▶ Hosting the workshop "Adversarial Hacking in the Age of AI", which took place as part of the *Transmediale Festival Berlin* from January 29th–30th 2020, at the Media Theater of the Humboldt University of Berlin.
- 04/2018–03/2020 **Active Member of the Student Council Initiative of the department for musicology and media studies at the Humboldt University of Berlin**  
 ▶ Member of the commission for the junior professorship "Digital Media and Computation" (2018–2019).  
 ▶ Development of an equality concept for the Institute of Musicology and Media Studies at the Humboldt University Berlin (2018).  
 ▶ First editorial of the study regulations 2019 for the study program Media Studies (2018–2019).  
 ▶ Interview with Ms. von Örzen in the context of the application procedure for the S-professorship "Media Practices" (2018).
- 09/2017–04/2021 **Berliner Schule** (Initiative of the students of media studies at the Humboldt University of Berlin)  
 ▶ Founder of the official initiative "Berliner Schule"
- 2017 & 2018 **Vintage Computer Festival Berlin**  
 ▶ Organizational Assistance of the event  
 ▶ Video documentation of the conference.