# Lauren Fink

Postdoctoral Researcher | Music Department | Max Planck Institute for Empirical Aesthetics Affiliate | Center for Language, Emotions, & Music | New York University, Max Planck Institute

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> Website: https://lkfink.github.io Curriculum Vitae – Dec. 2020

## 1. EDUCATION AND DEGREES

2014 - 2019	Ph.D. in Neuroscience, University of California, Davis (UCD), CA, USA
2013 - 2014	M.Phil. in Music Studies (Music & Science), University of Cambridge, England, UK
2009 - 2013	B.M. in Percussion Performance (major) and Psychology (minor), University of Cincinnati College Conservatory of Music, Ohio, USA, <i>summa cum laude</i>

### 2. RESEARCH CAREER

01/2020 –	<b>Wissenschaftliche Mitarbeiterin</b> (Postdoctoral Researcher) in the Music Department, Max Planck Institute for Empirical Aesthetics.
09/2015 – 10/2019	Researcher in the Janata Lab, Center for Mind & Brain, at the University of California, Davis, for the research projects: 1) "Predicting sensorimotor synchronization and attention to music using a linear oscillator model, eyetracking, and electroencephalography," and 2) "Fostering Empathy and Improving Focus Through the Groove Enhancement Machine: Facilitating Sensorimotor Coordination and Cooperation Among Groups of Individuals," directed by Prof. Dr. Petr Janata, funded by <i>The University of California Music Experience Research Community Initiative</i> and the <i>National Academies Keck Futures Initiative</i> .
08/2017	Gastforscher (Guest Researcher) in the Max-Planck-Institute for Empirical Aesthetics, Frankfurt, Germany, for the project: "Comparing Pupil Labs and SMI mobile eye-tracking glasses in the concert hall," directed by Dr. Elke Lange.
08/2016	<b>Visiting Researcher</b> in the Swartz Center for Computational Neuroscience at the University of California, San Diego, for the project: "Simultaneous eyetracking and electroencephalography during an auditory deviance detection task," directed by Dr. John Iversen.
07/2016 – 08/2016	Visiting Researcher in the Center for Computer Research in Music and Acoustics, Stanford University, for the project: "Fostering Empathy and Improving Focus Through the Groove Enhancement Machine: Facilitating Sensorimotor Coordination and Cooperation Among Groups of Individuals," directed by Prof. Dr. Petr Janata and Prof. Dr. Jonathan Berger, funded by the National Academies Keck Futures Initiative.

03/2015 - 06/2015Visiting Researcher in the Geng Lab, Center for Mind & Brain, University of California, Davis, for the research project: "Characterization of eyeblinks and pupil diameter during an auditory deviance detection task," directed by Prof. Dr. Joy Geng. 01/2015 - 03/2015Visiting Researcher in the Dynamic Memory Lab, Center for Neuroscience, University of California, Davis, for the research project: "Goal relevance in temporal contexts: the role of the fronto-striatal-hippocampal circuit," directed by Prof. Dr. Charan Ranganath and Dr. Matthias Gruber. 09/2014 - 12/2014Visiting Researcher in the Janata Lab, Center for Mind & Brain, University of California, Davis, for the research project: "Attention mapping via amplitude modulated sounds," directed by Prof. Dr. Petr Janata. Researcher in the Centre for Music & Science, University of Cambridge, for 10/2013 - 08/2014the research project: "Music modulates eyeblinks: An examination of temporal coordination," supervised by Prof. Dr. Ian Cross. 04/2011 - 05/2013Intern at the Archives & Rare Books Library, University of Cincinnati (http://libapps.libraries.uc.edu/liblog/?s=lauren+fink)

### 3. Publications

- Sharma, N., Krishnamohan, V., Ganapathy, S., Gangopadhayay, A. & Fink, L. (2020). Acoustic and linguistic features influence talker change detection. J. Acoust. Soc. Amer. Express Letters 147(5). DOI: https://doi.org/10.1121/10.0002462.
- Fink, L., Lange, E., & Groner, R. (2019). The application of eye-tracking in music research. Journal of Eye Movement Research, 11(2):1. DOI: 10.16910/jemr.11.2.1.
- Fink, L., Hurley, B., Geng, J. & Janata, P. (2018). A linear oscillator model predicts dynamic temporal attention and pupillary entrainment to rhythmic musical patterns. *Journal of Eye* Movement Research, 11(2):12. DOI: 10.16910/jemr.11.2.12.
- Hurley, B., Fink, L., & Janata, P. (2018). Mapping the dynamic allocation of attention in musical patterns. Journal of Experimental Psychology: Human Perception & Performance, 44(11), 1694-1711. DOI: 10.1037/xhp0000563
- Fink, L. (2017). Chance operations in neuroscience. In Lane, J. and L. Fink (Eds.), Allen Otte Folio, pp. 17-20.
- Fink, L. (2016). The Greatest. Pulse Special Issue of Ethnomusicology Review/Sounding Board.

#### Submitted manuscripts

Czepiel, A., Fink, L.K., Fink, L.T., Wald-Fuhrmann, M., Tröndle, M., & Merrill, J. (under review). Synchrony in the periphery: inter-subject correlation of physiological responses during live music concerts. *BioRxiv*. DOI: https://doi.org/10.1101/2020.09.01.271650.

#### Manuscripts in preparation

- Fink, L.\*, Warrenburg, L.\*, Howlin, C., Randall, W., Christian-Hansen, N.\* & Wald-Fuhrmann, M. (submitted). Viral Tunes: Changes in musical behaviours predict socio-emotional coping during the COVID-19 pandemic.
- Durojaye, C.\*, Fink, L.\*, Wald-Fuhrmann, M., Roeske, T. & Larrouy-Maestri, P. (in prep). Perception of Nigerian talking drum performances as speech-like vs. music-like: the role of familiarity and acoustic cues.
- Fink, L., Alexander, P. & Janata, P. (in prep). A multi-person adaptive metronome enhances synchrony amongst groups of tappers.
- Fink, L. & Simola, J. (in prep). Time series analyses in pupillometry.
- Fink, L., Janata, P.; Ganapathy, S.; Furukawa, S. & Lange, E. (in prep). Using pupillometry and computational models of salience to predict listener's absorption into music.

#### Conference proceedings (peer-reviewed)

- Fink, L. (2021, provisionally accepted). Computational models of temporal salience. *Proceedings of the* Future Directions of Music Cognition International Conference.
- Sharma, N., Krishnamohan, V., Ganapathy, S., Gangopadhayay, A. & Fink, L. (2020). On the impact of language familiarity in talker change detection. Proceedings of the 2020 IEEE International Conference on Acoustics, Speech, and Signal Processing, Barcelona, Spain, pp. 6249 – 6253. DOI: 10.1109/ICASSP40776.2020.9054294.

#### 4. EDITED VOLUMES

- Fink, L. & Lange, E., Eds. (2018). Special Issue on Music & Eye-Tracking. Journal of Eye Movement Research. Vol. 11(2).
- Fink, L., Ed. (2017). Explorations: The UC Davis Undergraduate Research Journal (vol. 19). The Regents of the University of California.
- Lane, J. & L. Fink, Eds. (2017). Allen Otte Folio. A collection of percussion pieces, distributed by Media Press Inc. https://mediapressmusic.com/allen-otte-folio-various/.

#### 5. TEACHING CAREER

GU = Goethe University, Frankfurt am Main; UCD = University of California, Davis; MPIEA = Max Planck Institute for Empirical Aesthetics

#### Classes (conducted)

Spring, 2021 (confirmed) Musical Time: Psychological & Theoretical Perspectives, GU

Introduction to Research Methods, UCD Summer, 2019

Fall, 2018 Visual Rhetoric, UCD

Winter, 2017 Popular Science and Technology Writing, UCD

Fall, 2016 Neurobiology, UCD

Spring, 2016 Cultural History of the Blues, UCD

## Classes (assisted teaching)<sup>1</sup>

Fall, 2017	Psychology of Music, UCD
Spring, 2017	Human Brain & Disease (led anatomy lab for dissecting sheep brains), UCD
Fall, 2015	Psychology of Music, UCD
Winter, 2015	Research Methods, UCD
Spring, 2015	Neurobiology of Speech, UCD

#### Mentoring

01/2020 - present

Supervisor of PhD students and interns in the Music Department at MPIEA

- PhD Students:
  - o Shreshth Saxena (03/2021 03/2024)
    - Co-supervising PhD dissertation project "Characterizing attentional shifts during audiovisual musical engagement," which involves a combination of computational modeling, eye-tracking, and behavioral experiments.
  - Anna Czepiel (01/2020 10/2022)
    - Co-supervising multiple projects related to the analysis of physiological data recorded during live music listening in the concert hall.
- Interns:
  - Student TBD, reviewing applications (01/2021 07/2021)
    - Supervising student to assist with project "Assessing computational models of musical surprisal." The student will be responsible for creating centralized databases of audio files and processing them through various models.
  - Hannah Fiehn (01/2020 05/2020)
    - Co-supervising student assistance and tasks related to the Conference on Music & Eye-Tracking (currently postponed due to COVID).

01 - 09 / 2019

Graduate coordinator for UC LEADS (Leadership Excellence through Advanced Degrees)

- Assisted under-represented undergraduates in preparing for graduate school by offering one-on-one mentorship
- Helped students successfully find and complete summer research experiences

09/2015 - 06/2019

Graduate Writing Fellow for the University Writing Program

- Held one-on-one consultations, group writing retreats, and writing workshops
- Conducted research on graduate student writing

09/2017 - 09/2019

Graduate mentor, Janata Lab

Mentored four undergraduate research assistants (2 from Psychology; 1 from Neurobiology, Physiology, & Behavior; 1 from Musicology)

<sup>&</sup>lt;sup>1</sup> assisted teaching by holding weekly office hours, proctoring and grading all exams, and maintaining student records.

01 - 06/2017Graduate mentor for the Undergraduate Research Center

> Mentored undergraduate Psychology student in lab-based research methods

#### **Invited Lecturer**

Fall, 2017	"How to publish as an undergraduate." Undergraduate Research Center, UCD
Summer, 2017	"Introduction to literature reviews." Pre-College Program: Mind & Brain, UCD
Winter, 2017	"Music & science research methods for undergraduates." <i>Musicology Department, UCD</i>
Spring, 2016	"Forming & maintaining writing groups." University Writing Program, UCD
	"The first abstract: Teaching undergraduates to summarize their research. Professors for the Future Program, UCD
	"Mentoring scientific writing: How to give effective, time-efficient feedback." <i>Professors for the Future Program, UCD</i>
	"Music & visual motor behavior." Musicology Department, UCD
Fall 2015	"Expectation, Syntax, and Tension in Music" Psychology Department, UCD

# 6. Grants / Scholarships / Fellowships

2017-19	ARCS Foundation Achievement Research Award for College Scientists (\$22,000)
2016-19	Lead Graduate Writing Fellowship, UCD (\$11,000)
2016-19	University Writing Program Travel Award, UCD (\$1,900)
2018	Graduate Student Association Special Projects Award (\$700)
2017-18	Graduate Student Association Travel Award (\$1000)
2018	Lesbians Who Tech Summit Scholarship (\$250)
2017	UC Davis Diversity Inclusion and Innovation Grant. "SOMA: Seminar Outreach for
	Minority Advocacy." PI: Lauren Fink (\$5,000)
2016-17	UC Davis & Humanities Graduate Research Award (\$3,000)
2016	University of California Music Experience Research Community Initiative: Research
	Exchange Grant – UC San Diego (\$3,500)
2016	Ling-Lie Chau Student Award for Brain Research, UCD (\$1,000)
2015	University of California Music Experience Research Community Initiative
	Symposium Travel Award (\$1,200)
2015-16	Graduate Writing Fellowship, UCD (\$3,000)
2014-15	Neuroscience Graduate Group Fellowship, UCD (\$28,680)
2014	William Barclay Squire Fund/Wolfson College Travel Grant, U. Cambridge (£600)
2013-14	Cambridge Overseas Trust, Wolfson Cambridge Scholarship, U. Cambridge (£7000)
2012-13	U. of Cincinnati Marshall Scholarship Finalist
2012-13	Undergraduate Research Council Grant, U. Cincinnati (\$3,000)
2012	Summer Undergraduate Research Fellowship, U. Cincinnati (\$4,000)
2011	Summer Undergraduate Mentored Research Grant, U. Cincinnati (\$3,000)
2009-13	Cincinnatus Scholarship, U. Cincinnati (\$32,000)
2009-13	College-Conservatory of Music Scholarship, U. Cincinnati (\$4,000)

### 7. CONFERENCE PRESENTATIONS

- Fink, L.\*, Howlin, C.\*, Randall, W., Warrenburg, L., Hansen, N.C., Wald-Fuhrmann, M. (2020, Sept.) Music as a tool for socio-emotional coping during Covid-19 pandemic lockdown. Talk (virtual) presented at the Society for Education, Music, and Psychology Research.
- Czepiel, A., Merrill, J., Fink, L., Egermann, H., Wald-Fuhrmann, M. (2020, Sept.) Tempo and key clarity synchronise physiology in classical concert audiences. Poster (virtual) presented at the Deutschen Gesellschaft für Musikpsychologie Virtuelle Postertagung.
- Lange, E., Zweck, F., Sinn, P., Thiel, D., Fink, L., & Kujipers, M. (2020, Sept.) Eye-tracking as method to investigate experiences of aesthetic absorption. Poster (virtual) presented at the Deutschen Gesellschaft für Musikpsychologie Virtuelle Postertagung.
- Fink, L., Hurley, B., Geng, J., Lange, E., & Janata, P. (2019, Aug.). A computational model of rhythmic auditory attention predicts the pupillary response to music. Talk presented at the European Conference on Eye Movements, Alicante, Spain.
- Lange, E., Thiele, D., Fink, L., & Kuijpers, M. (2019, Aug.). Narrative aesthetic absorption into audiobooks: Acoustics, cross-modal coupling and subjective states are related. Poster presented at the European Conference on Eye Movements, Alicante, Spain.
- Fink, L., Alexander, P., Janata, J. (2019, March). Bringing groups of people into greater temporal and psychological synchrony using a multi-person adaptive metronome. Poster presented at the Cognitive Neuroscience Society Meeting, San Francisco, CA.
- Mikovits, M., Sperber, L., Fink, L. & Prebel, J. (2019, March). Writing Fellows as Agents of Transfer: Training in Threshold Concepts to Support Campus-Wide Sites of Writing. Symposium presented at the College Composition and Communication Convention, Pittsburgh, P.A.
- Fink, L., Lange, E., Janata, P. (2018, July). The pupil entrains to prominent periodicities in music. Talk presented at the International Conference on Music Perception & Cognition, Graz, Austria.
- Fink, L., Hurley, B., Geng, J., & Janata, P. (2018, May). Predicting attention and motor responses to musical patterns. Poster presented at the Stanford Music & Brain Symposium, Palo Alto, CA.
- Fink, L., Ribeiro, J., & White, V. (2018, March). Transforming graduate writing experiences: A new Writing Across the Curriculum (WAC) certificate program. Symposium presented at the College Composition and Communication Convention, Kansas City, MO.
- Lange, E. & Fink, L. (2017, August). Symposium: Using eye-tracking and pupillometry to study rhythmic processing in music and dance. European Conference on Eye Movements, Wüppertal, Germany.
- Fink, L., Hurley, B., Geng, J., & Janata, P. (2017, August). Predicting attention to auditory rhythms using a linear oscillator model and pupillometry. Talk presented at the Conference on Music & Eye-Tracking, Frankfurt, Germany.
- Fink, L., & Alexander, P., & Janata, P. (2017, July). Fostering Empathy and Improving Focus Through the Groove Enhancement Machine: Facilitating Sensorimotor Coordination and Cooperation Among Groups of Individuals. Demonstration presented at the National Academies Keck Futures Initiative Art, Science, Engineering, and Medicine Mid-Cycle Grant Meeting, Boston, MA.

- Hurley, B., Fink, L., & Janata, P. (2017, March). A resonator model predicts temporal orienting in rhythmic music. Proceedings of the Cognitive Neuroscience Society Annual Meeting.
- Bright, A., Singleton, J., Fink, L., & Rodger, K. (2017, March). Cultivating a Rhetorical Consciousness: Supporting Graduate Student Writers Across the Curriculum. Symposium presented at the College Composition and Communication Convention, Portland, OR.
- Fink, L., Hurley, B., Geng, J. & Janata, P. (2016, July). Pupillary and eyeblink responses to auditory stimuli index attention and sensorimotor coupling. Proceedings of the 14th International Conference for Music Perception & Cognition, pg. 788.
- Hurley, B., Fink, L., & Janata, P. (2016, July). Predicting temporal attention in music with a damped oscillator model. Proceedings of the 14th International Conference for Music Perception & Cognition, pg. 782.
- Fink, L. & Rodger, K. (2016, June). Mapping neuroscience through professional writing. Talk presented at the International Writing Across the Curriculum Conference, Ann Arbor, MI.
- Fink, L. (2015, July). Eyeblinks as biomarkers of temporal coordination during music cognition. Poster presented at the Rhythm Perception & Production Workshop, Amsterdam, Netherlands.
- Fink, L. & Mazman, A. (2013, July). False belief attribution: An investigation of the neural pattern account. Poster presented at the Society for Philosophy and Psychology Conference, Providence, RI.

#### 8. SERVICE

2016 –	Ad-hoc Reviewer for:  Nature  Brain and Cognition  Cortex  Cognitive Neurodynamics  Journal of Eye Movement Research  Journal of Vision  Music & Science  Quarterly Journal of Experimental Psychology  Society for Music Perception and Cognition  Vision Research
2020 –	Equality Support Team, MPIEA
2020 –	Postdoctoral representative to the Directors, Music Department, MPIEA
2017 & 2021	Scientific Chair. Conference on Music & Eye-Tracking, MPIEA
2018-20	Peer-review panelist. California Arts Council, State of California
2017-19	Guest Editor of Special Issue. Journal of Eye Movement Research
2017-18	Founder and coordinator. Seminar Outreach for Minority Advocacy, UCD
2017	Selection Committee. Neuroscience Initiative to Enhance Diversity, UCD
2017	Graduate Student Coordinator. Neuroscience Initiative to Enhance Diversity, UCD
2016-17	Editor-in-Chief. Explorations: The UC Davis Undergraduate Research Journal
2015-16	Editor. Explorations: The UC Davis Undergraduate Research Journal
2014-16	Neuroscience Retreat Organizing Committee, UCD

#### 9. PROFESSIONAL TRAINING

<ul> <li>Communicating Science to Non-Scientists and Media Training for Researchers, Max-Planck-Gesellschaft, online</li> <li>Neuromatch Academy, online</li> <li>Telluride Neuromorphic Cognition Engineering Workshop, Telluride, CO</li> <li>Mini Event-Related Potential Bootcamp, Steve Luck, UCD Center for Mind &amp; Brain</li> <li>Women in Music Information Retrieval Mentoring Program (mentor: Dr. Kat Agres)</li> <li>Certificate: AAAS Science Communication Program</li> <li>Certificate: Designing an Undergraduate STEM course, American Association for the Advancement of Science</li> <li>Certificate: Thoughtful Pedagogy for Diverse Learning Environments, UCD Center for Educational Effectiveness</li> <li>Certificate: Foundations in Teaching, UCD Center for Educational Effectiveness</li> <li>Interdisciplinary Kollege: Social Cognition. Günne, Germany</li> <li>Racial Awareness Pilot Program. U. of Cincinnati</li> </ul>	2021	Sign UP! Career-building Program for Post Docs, Max-Planck-Gesellschaft, EAF Berlin
<ul> <li>Neuromatch Academy, online</li> <li>Telluride Neuromorphic Cognition Engineering Workshop, Telluride, CO</li> <li>Mini Event-Related Potential Bootcamp, Steve Luck, UCD Center for Mind &amp; Brain</li> <li>Women in Music Information Retrieval Mentoring Program (mentor: Dr. Kat Agres)</li> <li>Certificate: AAAS Science Communication Program</li> <li>Certificate: Designing an Undergraduate STEM course, American Association for the         <ul> <li>Advancement of Science</li> </ul> </li> <li>Certificate: Thoughtful Pedagogy for Diverse Learning Environments, UCD Center             <ul></ul></li></ul>	2020	Communicating Science to Non-Scientists and Media Training for Researchers, Max-
<ul> <li>Telluride Neuromorphic Cognition Engineering Workshop, Telluride, CO</li> <li>Mini Event-Related Potential Bootcamp, Steve Luck, UCD Center for Mind &amp; Brain</li> <li>Women in Music Information Retrieval Mentoring Program (mentor: Dr. Kat Agres)</li> <li>Certificate: AAAS Science Communication Program</li> <li>Certificate: Designing an Undergraduate STEM course, American Association for the         <ul> <li>Advancement of Science</li> </ul> </li> <li>Certificate: Thoughtful Pedagogy for Diverse Learning Environments, UCD Center         for Educational Effectiveness</li> <li>Certificate: Foundations in Teaching, UCD Center for Educational Effectiveness</li> <li>Interdisciplinary Kollege: Social Cognition. Günne, Germany</li> </ul>		Planck-Gesellschaft, online
<ul> <li>Mini Event-Related Potential Bootcamp, Steve Luck, UCD Center for Mind &amp; Brain</li> <li>Women in Music Information Retrieval Mentoring Program (mentor: Dr. Kat Agres)</li> <li>Certificate: AAAS Science Communication Program</li> <li>Certificate: Designing an Undergraduate STEM course, American Association for the         Advancement of Science</li> <li>Certificate: Thoughtful Pedagogy for Diverse Learning Environments, UCD Center         for Educational Effectiveness</li> <li>Certificate: Foundations in Teaching, UCD Center for Educational Effectiveness</li> <li>Interdisciplinary Kollege: Social Cognition. Günne, Germany</li> </ul>	2020	Neuromatch Academy, online
<ul> <li>Women in Music Information Retrieval Mentoring Program (mentor: Dr. Kat Agres)</li> <li>Certificate: AAAS Science Communication Program</li> <li>Certificate: Designing an Undergraduate STEM course, American Association for the         Advancement of Science</li> <li>Certificate: Thoughtful Pedagogy for Diverse Learning Environments, UCD Center         for Educational Effectiveness</li> <li>Certificate: Foundations in Teaching, UCD Center for Educational Effectiveness</li> <li>Interdisciplinary Kollege: Social Cognition. Günne, Germany</li> </ul>	2019	Telluride Neuromorphic Cognition Engineering Workshop, Telluride, CO
<ul> <li>Certificate: AAAS Science Communication Program</li> <li>Certificate: Designing an Undergraduate STEM course, American Association for the Advancement of Science</li> <li>Certificate: Thoughtful Pedagogy for Diverse Learning Environments, UCD Center for Educational Effectiveness</li> <li>Certificate: Foundations in Teaching, UCD Center for Educational Effectiveness</li> <li>Interdisciplinary Kollege: Social Cognition. Günne, Germany</li> </ul>	2018	Mini Event-Related Potential Bootcamp, Steve Luck, UCD Center for Mind & Brain
<ul> <li>Certificate: Designing an Undergraduate STEM course, American Association for the         Advancement of Science</li> <li>Certificate: Thoughtful Pedagogy for Diverse Learning Environments, UCD Center         for Educational Effectiveness</li> <li>Certificate: Foundations in Teaching, UCD Center for Educational Effectiveness</li> <li>Interdisciplinary Kollege: Social Cognition. Günne, Germany</li> </ul>	2018	Women in Music Information Retrieval Mentoring Program (mentor: Dr. Kat Agres)
Advancement of Science  2017 Certificate: Thoughtful Pedagogy for Diverse Learning Environments, UCD Center for Educational Effectiveness  2016 Certificate: Foundations in Teaching, UCD Center for Educational Effectiveness  2014 Interdisciplinary Kollege: Social Cognition. Günne, Germany	2017	Certificate: AAAS Science Communication Program
<ul> <li>Certificate: Thoughtful Pedagogy for Diverse Learning Environments, UCD Center for Educational Effectiveness</li> <li>Certificate: Foundations in Teaching, UCD Center for Educational Effectiveness</li> <li>Interdisciplinary Kollege: Social Cognition. Günne, Germany</li> </ul>	2017	Certificate: Designing an Undergraduate STEM course, American Association for the
for Educational Effectiveness  Certificate: Foundations in Teaching, UCD Center for Educational Effectiveness  Interdisciplinary Kollege: Social Cognition. Günne, Germany		Advancement of Science
<ul> <li>Certificate: Foundations in Teaching, UCD Center for Educational Effectiveness</li> <li>Interdisciplinary Kollege: Social Cognition. Günne, Germany</li> </ul>	2017	Certificate: Thoughtful Pedagogy for Diverse Learning Environments, UCD Center
2014 Interdisciplinary Kollege: Social Cognition. Günne, Germany		for Educational Effectiveness
1 , 0	2016	Certificate: Foundations in Teaching, UCD Center for Educational Effectiveness
2009-10 Racial Awareness Pilot Program. U. of Cincinnati	2014	Interdisciplinary Kollege: Social Cognition. Günne, Germany
	2009-10	Racial Awareness Pilot Program. U. of Cincinnati

# 10. Affiliations / Memberships

2018 –	Cognitive Neuroscience Society
2017 –	Women in Music Information Retrieval
2016 –	Society for Music Perception & Cognition
2015 –	Association of Women in Science
2007 –	Percussive Arts Society
2013-14	Society for Philosophy & Psychology

Stanford University.

## 11. INVITED TALKS

Feb. 2019	"Modeling pupillary entrainment to music and absorptive music listening experiences." Center for Computer Research in Music and Acoustics, Stanford University.
Sept. 2018	"Pupillometry as an auditory research tool." UC Davis Neuroscience Retreat, Bodega Bay Marine Laboratory, Bodega Bay, CA.
Apr. 2018	"The Groove Enhancement Machine." Center for Computer Research in Music and Acoustics, Stanford University.
Mar. 2018	"Seeing in time: Rhythmic music systematically alters pupil dynamics." Max Planck Institute for Empirical Aesthetics, Frankfurt, Germany.
Oct. 2017	"Stage presence." Ladies Rock Sacramento. Sacramento, CA.
Apr. 2017	"Writing a personal statement." Neuroscience Initiative to Enhance Diversity, UC Davis.
Nov. 2016	"Predicting audiovisual attention over time." Davis Entrepreneurs Meet-Up, Davis Roots, Davis, CA.
July 2016	"Assessing attention to music using eye-tracking." Stanford Summer Arts Institute,

Apr. 2016	"The importance of synchronization and the power of music." Sunday Assembly,
	Sacramento, CA.

"It's all in the mind." Cambridge Festival of Ideas, Cambridge, UK. Oct. 2013

#### 12. Professional Music Experience

2018-19	Drum set coach. Girls Rock Sacramento. Sacramento, CA
Nov. 2014	Percussion Quartet: Lauren Fink, Tyler Niemeyer, Shane Jones, Zach Larabee. Premiere of "Oscillator Etudes" by Paul Schuette at the <i>Percussive Arts Society International Convention, Indianapolis, IN</i>
Feb. 2013	Drum set player. "Science! The Musical." World Premiere. Corpus Playroom, Cambridge, UK
Apr. 2013	Senior Recitalist. "Matriculaphony: A Percussive Circus on Van Meter Ames' A Book of Changes." Patricia Corbett Theater, Cincinnati, OH
07-08/2013	Drum Line Instructor. Liberty High School, Youngstown, OH
2012-13	Percussion Accompanist. Dance Division, U. of Cincinnati College-Conservatory of Music.
2010 - 2011	Percussion Coach. Cincinnati Youth Wind Ensemble. Cincinnati, OH
06-07/2010	Orchestral Percussionist. Symphony Orchestra Academy of the Pacific. British Columbia, Canada
2008 - 2014	Private Percussion Teacher. Youngstown & Cincinnati, OH

#### 13. REFERENCES

- Prof. Dr. Melanie Wald-Fuhrmann: Director, Max Planck Institute for Empirical Aesthetics Phone: +49 69-8300479-200 | E-Mail: melanie.wald-fuhrmann@ae.mpg.de
- Dr. Elke Lange: Scientific Researcher, Max Planck Institute for Empirical Aesthetics Phone: +49 69-8300479-210 | E-Mail: elke.lange@aesthetics.mpg.de
- Prof. Dr. Petr Janata: Professor of Psychology, Center for Mind & Brain, UC Davis Phone: +1 (530) 297 4471 | E-Mail: pjanata@ucdavis.edu
- Prof. Dr. Joy Geng: Associate Professor of Psychology, Center for Mind & Brain, UC Davis Phone: +1 (530) 297-4486 | E-Mail: jgeng@ucdavis.edu
- Dr. Melissa Bender: Continuing Lecturer, University Writing Program, UC Davis Phone: +1 (530) 752-6283 | E-Mail: mmbender@ucdavis.edu
- Prof. Dr. Ian Cross: Professor of Music and Science, Faculty of Music, U. of Cambridge, UK Phone: +44 (0)1223 335185 | E-Mail: ic108@cam.ac.uk
- Prof. Allen Otte: Professor of Percussion, U. of Cincinnati College-Conservatory of Music Phone: +1 (513) 556 9423 | E-Mail: allen.otte@uc.edu