

# Manuel Anglada-Tort

Postdoctoral researcher

*January 2022*

Max Planck Institute for Empirical Aesthetics  
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## Personal Profile

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I am interested in how people experience the auditory world and the impact of their representations on human behaviour and culture. To explore this, my research combines methods from different disciplines with massive online experiments, including high-resolution perceptual paradigms, cultural transmission chains in rhythm and singing modalities, cross-cultural research, and network science.

## Education and research

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### 2020- Postdoctoral researcher

*Computational Auditory Perception Group, Max Planck Institute for Empirical Aesthetics (Germany), supervised by Dr Nori Jacoby*

- Researching fundamental components of auditory perception, including rhythm and melody.
- Developing new psychological paradigms and methods, including massive online perceptual experiments, and iterated learning paradigms in rhythm and singing modalities.
- Developing new testing software for online behavioural experiments (*REPP*, *PsyNet*).
- Articles published in *Nature Human Behaviour*, *Behavioural Research Methods*, and *NeurIPS* (the foremost international conference in machine learning and neuroscience).

### 2018-

#### Research and data science consultant

*SoundOUT – Sonic Testing (UK); DLMDD – Sonic Branding Agency (UK)*

- Amazon (2020-2021): testing the effectiveness of sonic logos for Amazon using massive online experiments.
- Aldi (2019-2020): finding a new audio logo identity for Aldi UK in a large-scale behavioural study.

*SoundOUT – Sonic Testing (UK)*

- SONOS - Home Sound Systems (2019-2020): Assessing the impact of audio systems on the music listening experience.

*iV Audio branding (US)*

- Cadbury Chocolate (2018-2019): Examining crossmodally congruent relationships between sound, flavour, and mood.

## **2017-2020 PhD in Psychology, Summa Cum Laude**

*Audio Communication Group, Technische Universität Berlin (Germany), supervised by Prof Dr Stefan Weinzierl and Prof Dr Daniel Müllensiefen*

- Applied insights from behavioural economics to study musical behaviour, including aesthetic preferences, listening behaviour, and music decisions in the context of branding and advertising.
- Collaborated with international researchers in various scientific contributions (e.g., Prof Dr Adrian North, Curtin University, Australia; Prof Alexander Lamont, Keele University, UK; Steve Keller, Sonic Strategy Director in Pandora, US).
- Publications in the *Quarterly Journal of Experimental Economics*, *Journal of Behavioural Decision Making*, *Memory*, *Psychology of Aesthetics, Creativity, and the Arts*, *Journal of Advertising Research*, and *International Journal of Advertising*.

## **2014-15 MSc in Music, Mind & Brain**

*Psychology Department, Goldsmiths, University of London, (UK), supervised by Prof Dr Daniel Müllensiefen*

- Focus on both the biological and cognitive aspects of musical behaviour.
- Master project examining the role of context on music preferences, published in *Music Perception*.

## **2009-13 BA in Psychology**

*Univeristy Rovira i Virgili (Spain)*

- Focus on cognitive science, research methods, and psycholinguistics.
- BA project examining the processing of emotional words in bilingual speakers, published in *Second Language Research*.

## Teaching and supervising

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- 2021 Academic mentor**  
*ICMPC-ESCOM mentoring scheme, funded by the British Academy*
- One to one mentoring for academics from developing countries, providing guidance and support to produce a journal article for publication.
- 2019 Lecturer in Psychology**  
*Humboldt-Universität zu Berlin (Germany)*
- Taught research methods and statistics using R, both at the BA and master level.
  - Wrote and marked weekly assignments and final exams.
- 2015- Co-supervisor of MSc projects**  
*MSc in Audio Communication and Technology, Technische Universität Berlin (Germany)*
- Melanie Schulz (2020-2021)
  - Miguel Reyes (2020-2021)
  - Till Noé (2019-2020)
- Msc in, Mind & Brain, Goldsmiths, University of London (UK)*
- Austin Coates (2020-2021)
  - Pattera Sutanthavibul (2019-2020)
  - Thomas Baker (2018-2019)
  - Kerry Schofield (2017-2018)
  - Heather Thueringer (2017-2018)
  - Emily Beth Hill (2017-2018)
  - Thomas Baker (2016-2017)
  - Björn Thorleifsson (2015-2016)
- 2015-17 Special Needs Teacher**  
*The Garden School (UK)*
- Taught autistic students with complex learning disabilities, working collaboratively with parents and professionals.
  - Planned and delivered music lessons.

## Funding

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- 2017-2020 PhD scholarship**  
*Funded by the Studienstiftung des Deutschen Volkes (Germany)*

- 3-year doctoral scholarship granted to highly qualified and socially committed researchers, including health insurance and travel expenses.

## 2019 **SEMPRE Conference Award**

*Funded by the Society for Education, Music, and Psychology Research*

- Travel grant to attend the conference, “Again & Again: Musical Repetition in Aesthetics, Analysis, and Experience”.

## 2018 **DGM Conference Award**

*Funded by the German Society for Music Psychology*

- Travel grant to attend the 2018 DGM Conference, Giessen (Germany).

## 2018 **SEMPRE Conference Award**

*Funded by the Society for Education, Music, and Psychology Research*

- Travel grant to attend the 15th International Conference on Music Perception and Cognition (ICMPC) and 10th Conference of the European Society for the Cognitive Sciences of Music (ESCOM), Graz Austria

## 2017 **SEMPRE Conference Award**

*Funded by the Society for Education, Music, and Psychology Research*

- Travel grant to attend the 9<sup>th</sup> Conference of the European Society for the Cognitive Sciences of Music (ESCOM), Ghent (Belgium).

# Publications

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- 2021 **Anglada-Tort, M.**, Harrison, P. M. C., & Jacoby, N. (2021): REPP: A robust cross-platform solution for online sensorimotor synchronization experiments. Accepted in *Behavior Research Methods*. bioRxiv preprint doi: <https://doi.org/10.1101/2021.01.15.426897>

Niarchou, M., Gustavson, D. E., Sathirapongsasuti, J. F., **Anglada-Tort, M.**, Eising, E., Bell, E., McArthur, E., Straub, P., The 23andMe Research Team, McAuley, J. D., Capra, J. A., Ullén, F., Creanza, N., Mosing, M. A., Hinds, D., Davis, L. K., Jacoby, N., & Gordon, R. L. (2021): Genome-wide association study of musical beat synchronization demonstrates high polygenicity. Accepted in *Nature Human Behavior*. bioRxiv preprint doi: <https://doi.org/10.1101/836197>

Jacoby, N., Polak, R., Grahn, J., Cameron, D. J., Lee, K. M., Godoy, R., ... **Anglada-Tort, M.**, Harrison, P. M. C., McPherson, M. J., Dolan, S., Durange, A., & McDermott, J. (2021, July 6). Universality and cross-cultural variation in mental representations of music revealed by global comparison of rhythm priors. Accepted in *Nature Human Behavior*. PsyArXiv preprint doi: <https://doi.org/10.31234/osf.io/b879v>

\*Savage, P. E., Jacoby, N., Margulis, E. H., Daikoku, H., **Anglada-Tort, M.**, Castelo-Branco, S. E.-S., Nweke, F. E., Fujii, S., Hegde, S., Chuan-Peng, H., Jabbour, J., Lew-Williams, C., Mangalagiu, D., McNamara, R., Müllensiefen, D., Opondo, P., Patel, A., & Schippers, H. (2021). Building sustainable global collaborative networks: Recommendations from music studies and the social sciences. In E. H. Margulis, D. Loughridge, & P. Loui (Eds.), *The science-music borderlands: Reckoning with the past, imagining the future*. MIT Press. Preprint doi: <http://doi.org/10.31234/osf.io/cb4ys>

*\*Book Chapter based on a symposium entitled "Building sustainable global collaborative research networks", February 2021*

**Anglada-Tort, M.**, Krause, A. E., & North, A. C. (2021). Popular music lyrics and musicians' gender over time: A computational approach. *Psychology of Music*, 49(3), 426-444. Doi: <https://doi.org/10.1177/0305735619871602>

**Anglada-Tort, M.**, Keller, S., Steffens, J., & Müllensiefen, D. (2021): The impact of source effects on the evaluation of music for advertising: Are there differences in how advertising professionals and consumers judge music? *Journal of Advertising Research*. Doi: <https://doi.org/10.2501/JAR-2020-016>

2020 **Anglada-Tort, M.**, & Skov, M. (2020): What counts as Aesthetics in Science? A bibliometric Analysis and Visualization of the Scientific Literature from 1970 to 2018. *Psychology of Aesthetics, Creativity, and the Arts*. Advance online publication. Doi: <https://doi.org/10.1037/aca0000350>

\*Harrison, P. M. C., Marjeh, R., Adolphi, F., van Rijn, P., **Anglada-Tort, M.**, Tchernichovski, O., Larrouy-Maestri, P., & Jacoby, N. (2020). Gibbs Sampling with People. 34th Conference on Neural Information Processing Systems (NeurIPS 2020). <https://arxiv.org/abs/2008.02595>

*\*Neural Information Processing Systems is the most prestigious international conference in machine learning and neuroscience. Our article was accepted for oral presentation, something achieved by only the top 1% of submitted articles.*

2019 **Anglada-Tort, M.**, Steffens, J., & Müllensiefen, D. (2019): Names and titles matter: The impact of linguistic fluency and the affect heuristic on aesthetics and value judgements of music. *Psychology of Aesthetics, Creativity, and the Arts*, 13 (3), 277-292. Doi: <https://dx.doi.org/10.1037/aca0000172>

**Anglada-Tort, M.** (2019): Measuring stereotypes in music: A commentary on Susino and Schubert (2019). *Empirical Musicology Review*, 14(1-2), 16-21. Doi: <http://dx.doi.org/10.18061/emr.v13i1-2.6387>

**Anglada-Tort, M.,** Thueringer, H., & Omigie, D. (2019): The busking experiment: A field study measuring behavioural responses to street music performances. *Psychomusicology: Music, Mind, and Brain*, 29(1), 46-55.  
Doi: <http://dx.doi.org/10.1037/pmu0000236>

**Anglada-Tort, M.,** & Sanfilippo, K.R.M. (2019): Visualizing music psychology: A bibliometric analysis of Psychology of Music, Music Perception, and Musicae Scientiae from 1973 to 2017", *Music & Science*, 2, 2059204318811786.  
Doi: <https://doi.org/10.1177/2059204318811786>

**Anglada-Tort, M.** (2018): Commentary on Canonne (2018): Listening to improvisation. *Empirical Musicology Review*.  
Doi: <http://dx.doi.org/10.18061/emr.v13i1-2.6387>

**2018 Anglada-Tort, M.,** Baker, T., & Müllensiefen, D. (2018): False memories in music listening: Exploring the misinformation effect and individual difference factors in auditory memory. *Memory*, 1-16. Doi: <https://doi.org/10.1080/09658211.2018.1545858>

**2017 Anglada-Tort, M.,** & Müllensiefen, D. (2017): The repeated recording illusion: The effects of extrinsic and individual difference factors on musical judgments. *Music Perception*, 35(1), 94-117. Doi: <https://doi.org/10.1525/mp.2017.35.1.94>

Ferré, P., **Anglada-Tort, M.,** Guasch, M. (2017): Processing of emotional words in bilinguals: Testing the effects of Word concreteness, task type and language status. *Second Language Research*, 34(3), 371-394.  
Doi: <https://doi.org/10.1177/0267658317744008>

## Invited presentations

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**2020 Max Planck Institute for Empirical Aesthetics, Frankfurt am Main (Germany)**  
'What counts as aesthetics in Science?'

**2019 Max Planck Institute for Empirical Aesthetics, Frankfurt am Main (Germany)**  
'Measuring responses to music: methods, challenges, and alternative approaches'

**2019 Queen Mary, University of London, London (UK)**  
'Measuring responses to music: methods, challenges, and alternative approaches'

**2019 Humboldt-Universität zu Berlin, Berlin (Germany)**  
'The Behavioural Economics of Music'

**2019 Hanover University of Music, Drama, and Media, Hanover (Germany)**  
'Visualizing Music Psychology: Who, What, When, and Where'

2018 Queen Mary, University of London, London (UK)  
'The Behavioural Economics of Music'

## Conference presentations

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2021 Rhythm Production and Perception Workshop (RITMO), virtual conference  
'REPP: A robust cross-platform solution for online sensorimotor synchronization experiments'

2021 NEST Conference: New England Sequencing & timing, virtual conference  
'REPP: A robust cross-platform solution for online sensorimotor synchronization experiments'

2021 16th International Conference on Music Perception and Cognition (ICMPC) and 11th Conference of the European Society for the Cognitive Sciences of Music (ESCOM), Sheffield (UK)  
*Talk 1:* 'The Behavioral Economics of Music: A framework for investigating music decision making'  
*Talk 2:* 'REPP: A robust cross-platform solution for online sensorimotor synchronization experiments'  
*Talk 3:* 'Influencing musical memories: how young adult listeners remember music over long-time spans'

2019 Conference on Behavioral Science, Prague (Czech Republic)  
'The Behavioral Economics of Music'

2019 Again & Again: Musical Repetition in Aesthetics, Analysis, and Experience, London (UK)  
'The Repeated Recording Illusion'

2018 15th International Conference on Music Perception and Cognition (ICMPC) and 10th Conference of the European Society for the Cognitive Sciences of Music (ESCOM), Graz (Austria)  
*Talk 1:* 'False memories in music listening: Exploring the misinformation effect and individual difference factors in memory for music'  
*Talk 2:* 'The effects of source bias on the evaluation of music in advertising: professionals vs. Consumers'

2018 Conference of the German Society for Music Psychology (DGM), Giessen (Germany)  
'Source-Effekte, ästhetische Bewertung und geschätzte Lizenzen im Kontext von Werbemusik'

2017 25<sup>th</sup> Anniversary of the European Society for the Cognitive Sciences of Music (ESCOM), Ghent (Belgium)

‘Does the fluency of artists and songs’ names matter? The effect of linguistic fluency on evaluations of music’

2016 14<sup>th</sup> International Conference on Music Perception and Cognition (ICMPC),  
San Francisco (US)

‘The song remains the same: Biases in musical judgments and the illusion of hearing different songs’

## Software

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Skilled in R and Python. I also have some experience with JavaScript, HTML/CSS, and MATLAB.

I am a co-developer of the following open-source software packages:

**REPP**            A package for measuring sensorimotor synchronisation in laboratory and online experiments (Python)

**PsyNet**        A platform to build and run next-generation online psychological experiments (Python, JS, HTML)

## Peer review

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I have reviewed articles for the journals of *Psychology & Marketing*, *Psychology of Aesthetics, Creativity, and the Arts*, *Music Perception*, *Psychology of Music*, *POETICS*, *Music Education Research*, *Empirical Musicology Review*, and *Journal of Media Business Studies*. I have also reviewed submissions for the 2017 and 2018 conference of the *International Society for Music Information Retrieval* (ISMIR), and the 2021 *International Conference of Students of Systematic Musicology*.

## Academic referees

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**Dr Nori Jacoby**

*Postdoctoral supervisor, Max Planck Institute for Empirical Aesthetics*  
nori.jacoby@ae.mpg.de

**Prof Dr Daniel Müllensiefen**

*PhD supervisor, Goldsmiths, University of London*  
d.muellensiefen@gold.ac.uk

17.01.2022