

## Personal

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## Personal profile

My research focuses on what *musicality* is (or can be), and aims to unravel the cognitive, biological and environmental mechanisms that underpin our capacity for music. In addition to a research agenda (*The Origins of Musicality*, 2018, MIT Press), I have published several books, including the English-language publications *Music Cognition: The Basics* (2021, Routledge) and *The Evolving Animal Orchestra* (2018, MIT Press). I regularly give public lectures and appear in the media on topics related to music cognition and the capacity for music that we all share.

## Appointments

2014–present **Professor of Music Cognition**, Faculty of Humanities and Faculty of Sciences, Institute for Logic, Language and Computation (ILLC), University of Amsterdam (UvA)  
2012–2014 Strategic Professor of Cognitive and Computational Musicology, Faculty of Humanities and Faculty of Sciences, UvA  
2010–2013 KNAW-Muller Professor, ILLC, UvA  
2007–2010 Associate Professor, ILLC, UvA  
1992–2007 Senior Researcher, ILLC, UvA  
1997–2003 Research Coordinator, Nijmegen Institute for Cognition and Information (NICI)  
1992–1997 Research Fellow, Royal Netherlands Academy of Arts and Sciences (KNAW), ILLC, UvA  
1988–1990 Research Fellow, Economic and Social Research Council (ESRC), Music Department, City University, London, UK

## Education

2013 Academic teaching certificate (*Basis Kwalificatie Onderwijs*), UvA, NL  
2000–2001 Diploma in Management, Academic Leadership and Coaching, Nijmegen University, NL  
1989–1991 PhD, Music Psychology, City University, London, UK, Supervisor: Prof. dr Eric F. Clarke  
1984 Composition, Psychoacoustics and Programming Languages, Center for Computer Research in Music and Acoustics, Stanford University, US  
1981–1984 Composition and Sound Synthesis, Institute of Sonology, Utrecht University, NL

## Research

My research career to date can be characterized by four phases: **(1)** I started my academic career as a music scientist applying artificial intelligence techniques to the **formalization of musical knowledge**, pioneering the use of expert systems and connectionist models to the representation of time and temporal structure in music (e.g., Desain & Honing, 1989). **(2)** In 1997 I started working as a research coordinator at the Nijmegen Institute for Cognition and Information (NICI; now Donders Institute for Brain, Cognition and Behavior), where I initiated research on the **computational modelling of music cognition** (e.g., Desain & Honing, 2003) and pioneered the use of EEG techniques for probing rhythm perception (e.g., Jongsma et al., 2004). **(3)** In 2003 I started a new research group at the University of Amsterdam to further shape the **cognitive sciences of music**, bridging the fields of musicology, psychology, and computer science. **(4)** In recent years I became fascinated with the **biological and environmental**

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<sup>1</sup> N.B. An up-to-date version of can be found [here](#).

**factors contributing to our capacity for music** and have begun collaborating with behavioral biologists (e.g., ten Cate *et al.*, 2016; 2022), neurobiologists (e.g., Honing, Bouwer, Prado, & Merchant, 2018; Merchant & Honing, 2014), neuroscientists (e.g., Winkler *et al.*, 2009), antropologists (Chittar *et al.*, 2023) and genomicists (Gingras *et al.*, 2015).

In 2014 I was awarded the Distinguished Lorentz Award in recognition of my interdisciplinary research bridging the humanities and social sciences with natural sciences and technology, while at the same time appointed full professor of Music Cognition at both the Faculty of Humanities and the Faculty of Science at the University of Amsterdam. In 2019 I was elected member of the Royal Netherlands Academy of Arts and Sciences (KNAW).

See my current research agenda at <https://www.mcg.uva.nl/research/> and an overview of the Music Cognition Group (MCG) at <https://www.mcg.uva.nl/people/>.

#### Awards and honors

|              |   |
|--------------|---|
| 2021         | Royal Netherlands Academy of Arts and Sciences (KNAW): Science communication Award: <i>Wetenschap gewaardeerd</i>   |
| 2020         | ABC Senior Award (Amsterdam Brain & Cognition / UvA)  |
| 2019-present | Member Royal Netherlands Academy of Arts and Sciences (KNAW)  |
| 2013-present | Member Royal Holland Society of Sciences and Humanities (KHMW)  |
| 2013–2014    | Distinguished Lorentz Fellowship: fellowship and prize granted by the Lorentz Center for the Sciences and the Netherlands Institute for Advanced Study in the Humanities and Social Sciences (NIAS) |
| 2010–2012    | Royal Netherlands Academy of Arts and Sciences, KNAW-Muller Professorship   |
| 1992–1997    | Royal Netherlands Academy of Arts and Sciences, Academy research fellowship   |

#### Administrative and management activities (selection last ten years)<sup>2</sup>

|              |   |
|--------------|---|
| 2019-present | Co-founder of the Musicality Genomics Consortium (MusicGens);<br>Member of the MusicGens Steering committee |
| 2015-2023    | Board member WeCo Meertens Institute (KNAW)   |
| 2013-2022    | Member Research Council, Faculty of Humanities, UvA   |
| 2016-2020    | Co-founder and Associate of the UvA Institute for Advanced Study (UvA-IAS)                                  |
| 2017-2020    | Scientific director Institute for Interdisciplinary Studies (IIS), UvA                                      |
| 2013-2018    | Coordinator research priority area Brain & Cognition, Faculty of Humanities, UvA                            |
| 2013-2018    | Board member Amsterdam Brain & Cognition (ABC), UvA   |
| 2010-2015    | Board member Computational Humanities committee (KNAW)  |
| 2012-2013    | <i>Ad interim</i> Chair of department of Musicology, UvA  |

#### Organization of scientific meetings (selection last ten years)<sup>2</sup>

|      |   |
|------|---|
| 2021 | ABC Summer School on Musicality, 14-24 June 2021  |
| 2021 | ABC Symposium on Musicality, 24 June 2021   |
| 2021 | <i>Towards a genomics of musicality</i> , Symposium at Neurosciences and Music VII Conference, Aarhus, DK                             |
| 2020 | <i>Musicality Genomics Consortium</i> , Inaugural meeting, Copenhagen, DK [postponed due to Covid-19]                                 |
| 2019 | <i>Deciphering the biology of human musicality through state-of-the-art genomics</i> , KNAW Colloquium and masterclass, Amsterdam, NL |
| 2019 | Lorentz workshop on <i>Synchrony and Rhythmic Interaction</i> , Leiden, NL  |
| 2017 | Symposium <i>On the biological basis of musicality</i> , Neuroscience and Music VI Conference, Harvard Medical School, Boston, US     |
| 2017 | SMART Cognitive Science International Conference, <i>Smart Animals</i> , Amsterdam, NL  |
| 2015 | SMART Cognitive Science (founding conference), Amsterdam, NL  |
| 2015 | Rhythm Perception and Production Workshop (RPPW), Amsterdam, NL   |
| 2014 | Lorentz workshop on Cognition, Biology and the Origins of Musicality, Lorentz Center for the Sciences, Leiden, NL                     |
| 2013 | Managing your Talents, congress on science and the performing arts, Amsterdam, NL   |

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<sup>2</sup> A complete listing is given in the Appendix.

### Invited and keynote lectures

I have been invited lecturer or keynote speaker at more than 200 events. For an overview of my invited talks, see <https://www.uva.nl/en/profile/h/o/h.j.honing/h.j.honing.html#anker-publications-recognitions> or Appendix.

### List of supervised (and ongoing) PhD-students<sup>3</sup>

(including: title dissertation, year of PhD-degree, nationality, current appointment)

- 2025<sup>4</sup> J. Li, Unravelling our capacity for music [work title], PhD Candidate.
- 2025<sup>4</sup> M. Vélez Vásquez, Playability [work title] (*promotor* with dr. W. Zuidema and J. A. Burgoyne, UvA), PhD Candidate.
- 2024<sup>4</sup> X. Huang, Music cognition within a certain culture: hook(s) in Chinese pop music and what makes Chinese music memorable? Chinese, PhD Candidate.
- 2024<sup>4</sup> N. Zhi-Yuang, The Flexible Listener: Exploring zebra finch sensitivity to spectral and temporal sound features (*promotor* with prof. dr. Carel ten Cate, LU); Chinese, PhD Candidate.
- 2024 B. Cornelissen, Measuring Musics (*promotor* with dr. W. Zuidema and dr. J. A. Burgoyne, UvA); February 2024; Dutch, **Lecturer**.
- 2022 J. Pfeifer, Amusia (*promotor* with dr. Paul Boersma, UvA), March 2022; German, **Assistant Professor**, Universität Düsseldorf.
- 2020 B. van der Weij, Experienced Listeners: Modeling the influence of long-term musical exposure on rhythm perception; October 2020; Dutch; Data Scientist, NL.
- 2019 C. Vaquero, What makes a performer unique? Idiosyncrasies and commonalities in expressive music performance; Spanish; Data Scientist, NL.
- 2019 A. Jaschke, Beyond Music Education (*promotor* with prof. dr. Erik Scherder, VU); German; Professor (**Lector**) Music-based Therapies and Interventions, ArtEZ University of the Arts, Enschede, NL.
- 2018 B. Janssen, A computational approach to the analyses and recognition of melodies; February 2018, ILLC / UvA German; Exchange engineer, UvA.
- 2018 J. Weidema, Cognitive mechanisms of relative pitch; Dutch. [N.B. stopped his PhD in 2018]; Data Scientist, NL.
- 2016 F. Bouwer, What do we need to hear a beat? The influence of attention, musical abilities, and accents on the perception of metrical rhythm. June 2016, ILLC / UvA; Dutch; **Assistant Professor** LU.
- 2009 O. Ladinig, Temporal expectations and their violations. October 2009, ILLC / UvA; Austrian; Freelance activist.
- 2006 M. Sadakata, Ritme & Rizumu: Studies in Music Cognition. November 2006, NICI / KUN (*co-promotor* until 2003); Japanese; **Assistant Professor** UvA.
- 2004 T.C. Cemgil, Bayesian music transcription. NICI / KUN, October 2004 (*co-promotor* until 2003); Turkish; **Full Professor**, Boğaziçi Üniversitesi.
- 2002 R. Timmers, September 2002, NICI / KUN; Dutch; **Full Professor**, University of Sheffield.
- 2002 H. Heijink, Redundancy control in music performance: Towards an understanding of the role of constraint satisfaction. September 2002, NICI / KUN; Dutch; Software developer and musician.

### List of supervised postdoctoral fellows<sup>3</sup>

(including period of appointment, nationality, current position)

1. Dr David J. Baker, 1 February 2022 – 28 February 2024, American/ British, Postdoc.
2. Dr Atser Damsma, 1 April 2021 – 31 December 2023, Dutch, Postdoc.
3. Dr Andrea Ravignani, 1 June 2019 – 1 January 2020, Italian, **Full Professor**.
4. Dr Ben G. Schultz, 1 October 2017 – 1 February 2019, Australian, Consultant.
5. Dr Fleur L. Bouwer, 1 January 2017 – 31 December 2018, Dutch, **Assistant Professor**.
6. Dr Paula Roncaglia-Denissen, 1 October 2013 – 30 September 2017, Italian, **Assistant Professor**.
7. Dr John Ashley Burgoyne, 15 June 2012 – 1 September 2017, Canadian, **Assistant Professor**.

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<sup>3</sup> <https://www.mcg.uva.nl/people/>

<sup>4</sup> Expected year of PhD defense.

8. Dr Gábor Peter Háden, 1 October 2011 – 30 September 2013, Hungarian, **Research Fellow**.
9. Dr Titia van Zuijlen, 1 May – 1 September 2011 (part-time), Dutch, **Assistant professor**.
10. Dr Leigh Smith, 1 November 2005 – 1 October 2008, Australian, Senior Software Engineer.
11. Dr Marijtje Jongsma, May 2001– September 2001, Dutch, Chair VAWO.
12. Dr Stéphane Rossignol, November 2000– November 2002, French, **Senior Researcher**.
13. Dr Huub van Thienen, March 1998 – March 2000, Dutch, Senior Lecturer.
14. Dr Luke Windsor, March 1998– March 2000, British, **Full professor**.
15. Dr Ilya Smulevich, September 1997– August 1998, US, **Full Professor**.

#### List of recent teaching duties (selection last ten years)

1. How Music Works: Music Cognition (5244MUCO6Y), MSc Brain & Cognitive Sciences / Master of Logic
2. Evolution of Language and Music (5102EVTM6Y), BSc Psychobiology
3. Musicality (145415296Y6EC), Master Musicology
4. Complexity: Can it be Simplified? (5512COMP6Y) Institute of Interdisciplinary Studies
5. The Next Big Thing (5512TNBT6Y) Institute of Interdisciplinary Studies

For an up-to-date overview see: <https://www.mcg.uva.nl/students/#courses-section> and <http://studiegids.uva.nl>.

#### Editorships<sup>2</sup>

I am a **corresponding editor** for Music Perception and Empirical Musicology Review, and an **advisory editor** for the Journal of New Music Research, as well as **topic editor** of Frontiers | Auditory Cognitive Neuroscience. I am also very active as a **reviewer** for journals including PNAS, NYAS, Philosophical Transactions of the Royal Society B, Topics in Cognitive Science, Cognition, Cognitive Science, Current Biology, PLOS ONE, Frontiers in Neuroscience, Frontiers in Psychology, Frontiers in Cognition, Frontiers in Neuroscience, Computer Music Journal, Journal of the Acoustical Society of America, Psychology of Music and Music Theory Spectrum.

#### Advisory boards<sup>2</sup>

I have served on several interdisciplinary research **review committees** of the Netherlands Organization for Scientific Research (NWO), as well as on a number of steering committees of the Royal Netherlands Academy of Arts and Sciences (KNAW), such as the Computational Humanities Program Committee. I am a **board member** of the Amsterdam Brain & Cognition (ABC) center and the Royal Holland Society of Sciences and Humanities (KHMW), co-founder and Associate of the UvA Institute of Advanced Study (UvA-IAS), and a scientific advisory board member of the Meertens institute of the KNAW. Furthermore, I was vice-president elect of the European Society for the Cognitive Sciences of Music (ESCOM) from 2007 to 2009. I have also served on the **advisory boards** of several public institutions for the promotion of music and music education, including Museum speelklok, Muziek Telt!, Papageno and the Dutch music therapy association (NVvMT). Finally, I have **reviewed grant applications** for most major research funding bodies in the Netherlands, Europe, the US and Canada (NL: NWO and KNAW, EU: FP7, ESF and ERC, US: NSF and NIH, Canada: NSERC, UK: EPSRC).

#### Major collaborations

I have **collaborated with leading research institutes** in the fields of music psychology, neuroscience, and biology, and with experts including Prof. István Winkler of the Hungarian Academy of Sciences (MTA), Prof. Hugo Merchant of the Universidad Nacional Autonoma de México (UNAM), Prof. Isabelle Peretz of International Laboratory for Brain, Music and Sound Research (BRAMS) and Prof. Carel ten Cate of the Institute of Biology Leiden (Leiden University).

#### Example of leadership in technical innovation

I have been active in designing **citizen science games** as one of the spin-offs of the NWO CATCH research project on cognition-based music information retrieval. One example is the 'Hooked on Music' game,<sup>5</sup> developed in collaboration with the Museum of Science and Industry in Manchester (UK) and several software companies, which attracted massive worldwide attention. More than 200,000 people from more than 200 countries have played this innovative online game, providing a rich database for our research on what makes music 'catchy' (Burgoyne *et al.*, 2013).

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<sup>5</sup> <https://app.amsterdammusiclab.nl/>

### Ten representative publications

I have published more than 200 scientific papers and over 25 book chapters and books in domains ranging from the cognitive sciences of music to neuroscience and neurobiology. The following is an overview of the most representative publications:

1. **Honing, H.** (2021) *Music Cognition: The Basics*. London: Routledge.
2. **Honing, H.** (2019). *The Evolving Animal Orchestra. In Search of What Makes Us Musical*. Cambridge, Mass.: The MIT Press. [Translation of *Aap slaat maat*, 2018; Also translated in German & Italian]
3. **Honing, H., & Bouwer, F. L.** (2019) Rhythm. In Rentfrow, P.J., & Levitin, D. (eds.), *Foundations in Music Psychology: Theory and Research*. Cambridge, Mass.: The MIT Press.
4. **Honing, H.** (ed.) (2018). *The Origins of Musicality*. Cambridge, Mass.: The MIT Press.
5. **Honing, H., Bouwer, F.L., Prado, L., & Merchant, H.** (2018). Rhesus monkeys (*Macaca mulatta*) detect isochrony in rhythm: Additional support for the gradual audiomotor evolution hypothesis. *Frontiers Neuroscience*. doi:10.3389/fnins.2018.00475.
6. **Honing, H., ten Cate, C., Peretz, I., & Trehub, S.** (2015). Without it no music: Cognition, biology, and evolution of musicality. *Philosophical Transactions of the Royal Society B: Biological Sciences*, 370 (1664).
7. Gingras, B., **Honing, H., Peretz, I., Trainor, L., & Fisher, S.** (2015). Defining the biological bases of individual differences in musicality. *Philosophical Transactions of the Royal Society B: Biological Sciences*, 370 (1664).
8. Merchant, H. & **Honing, H.** (2014). Are non-human primates capable of rhythmic entrainment? Evidence for the gradual audiomotor evolution hypothesis. *Frontiers in Neuroscience*, 7(274) 1-8.
9. **Honing, H.** (2012). Without it no music: beat induction as a fundamental musical trait. *Annals of the New York Academy of Sciences*, 1252: *The Neurosciences and Music IV — Learning and Memory*, 85–91.
10. Winkler, I., Haden, G., Ladinig, O., Sziller, I., & **Honing, H.** (2009). Newborn infants detect the beat in music. *Proceedings of the National Academy of Sciences*, 106, 2468-2471.

For a complete publication list, see <https://www.mcg.uva.nl/publications/> or the Appendix.

### Books

1. **Honing, H.** (2021) *Music Cognition: The Basics*. London: Routledge
2. **Honing, H.** (2020). *La scimmia batte il tempo. Alle origini della musicalità negli animali e nell'uomo* Roma: Carocci editore. ISBN 9788843099542. [Translation of *Aap slaat maat*, 2018]
3. **Honing, H.** (2019). *The Evolving Animal Orchestra. In Search of What Makes Us Musical*. Cambridge, Mass.: The MIT Press. [Translation of *Aap slaat maat*, 2018]
4. **Honing, H.** (2019). *Der Affe schlägt den Takt. Musikalität bei Tier und Mensch*. Leipzig: Henschel Verlag. ISBN 9783894878108. [Translation of *Aap slaat maat*, 2018]
5. **Honing, H.** (ed.) (2018). *The Origins of Musicality*. Cambridge, Mass.: The MIT Press.
6. **Honing, H.** (2018). *Aap slaat maat. Op zoek naar de oorsprong van muzikaliteit bij mens en dier*. Nieuw Amsterdam Uitgevers.
7. **Honing, H.** (2011/2013). *Musical Cognition. A Science of Listening*. Oxford: Routledge.
8. **Honing, H.** (2012). *Op zoek naar wat ons muzikale dieren maakt*. Nieuw Amsterdam Uitgevers.
9. **Honing, H.** (2009/2012). *Iedereen is muzikaal. Wat we weten over het luisteren naar muziek*. Nieuw Amsterdam Uitgevers.
10. Desain, P. & **Honing, H.** (1992). *Music, Mind and Machine. Studies in Computer Music, Music Cognition and Artificial Intelligence*. Amsterdam: Thesis Publishers.

For a complete publication list, see <https://www.mcg.uva.nl/publications/> or the Appendix.

### Impact of research

Honing's internationally renowned **investigations on the sciences of music** are a prime example of research that crosses the boundaries of several fields in an innovative and inspiring way. For this, Honing was awarded the prestigious Distinguished Lorentz Award 2013/14 in recognition of his interdisciplinary research bridging the humanities and social sciences with natural sciences and technology, and in 2019 he was elected member of the Royal Netherlands Academy of Arts and Sciences (KNAW). In the last decade, Honing initiated many national and

international research collaborations on music cognition with neuroscientists, behavioral and neurobiologists that have led to numerous highly cited publications in interdisciplinary journals contributing to a **new foundation for the study of musicality**. And lastly, Honing published several books for the general public, including *Musical Cognition* and *The Evolving Animal Orchestra*, his books and public lectures being popular with a broad audience and appreciated both inside and outside the scientific world. [H-Index: 49, i10-index: 111, citations: 8210.<sup>6</sup>]

### Outreach

I have lectured to **general audiences** on music cognition and musicality at many different venues, including as part of the Studium Generale programmes at most universities in the Netherlands, and at science festivals such as Cheltenham, TEDx and the World Science Festival. My research is frequently **featured in the media**, including in national and international newspapers and magazines (e.g., USA Today, The Guardian, The Independent, Financial Times, Science News, Nature, New Scientist, NRC Handelsblad, de Volkskrant, Trouw) and broadcast media including national public television and public radio. Several documentaries featuring my research have appeared in Dutch and international media (e.g., NPO: *De man zonder ritme*; Netflix: *Music, explained*; CBC *The Music Animal*; BBC *Animal Symphony*; NHK: *Origins of music* [in prep.]). I explored the topic of musicality in an online lecture series produced by the *Universiteit van Nederland* and in a number of international podcasts (E.g., *Big Biology*, *The Dissenter*, *Musicality Now*, *Origins by the Leaky Foundation*).

For an overview of my media appearances (over 300) see <https://www.mcg.uva.nl/press/> and <https://www.youtube.com/musiccognition> for video fragments.

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<sup>6</sup> <http://scholar.google.nl/citations?user=Rzvl4oQAAAAJ> (retrieved on 20231208).

N.B. The Dutch universities signed **DORA**, discouraging the use of Journal Impact Factors and H-index.

## Funding ID

Since obtaining my PhD in 1991, I wrote 45 research proposals of which more than 50% got funded (about €6M). The major research grants I have received are (co-applicants not listed):

| Year | Title   | Funding agency/programme                       |                 | Budget    |
|------|---|--|-----------------|-----------|
| 2023 | Nationale Wetenschapsagenda: Wetenschapsfestival <i>Snaartjes</i>   | Wetenschapscommunicatie (w/ Leiden University) | €               | 18,500    |
| 2023 | ABC Themes Grant  | UvA research priority area                     | €               | 5,000     |
| 2023 | Musicality Genomics Consortium  | NWO WBO grant                                  | €               | 1,500     |
| 2021 | A flexible and sustainable infrastructure for MUSic-related Citizen Science Listening Experiments (MUSCLEJ) | Platform Digitale Infrastructuur (PDI-SSH)     | €               | 440,000   |
| 2021 | Unravelling our capacity for music: The contour hypothesis  | NWO Open Competition                           | €               | 750,000   |
| 2021 | Pilotfonds Wetenschapscommunicatie: <i>Gewaardeerd!</i>   | KNAW   | €               | 10,000    |
| 2020 | ABC Project Grant   | UvA research priority area                     | €               | 250,000   |
| 2020 | ABC Senior Award  | UvA research priority area                     | €               | 5,000     |
| 2020 | Nationale Wetenschapsagenda: Bird Singalong Project.  | Wetenschapscommunicatie (w/ Leiden University) | €               | 50,000    |
| 2019 | UvA-IAS Fellowship for dr Andrea Ravignani  | UvA-IAS Initiative                             | €               | 25,000    |
| 2015 | ABC Talent Grant for dr Fleur Bouwer  | UvA research priority area                     | €               | 125,000   |
| 2014 | ABC Talent Grant for dr J. Ashley Burgoyne  | UvA research priority area                     | €               | 125,000   |
| 2013 | Distinguished Lorentz Fellowship & Prize  | Lorentz Center & NIAS                          | €               | 90,000    |
| 2012 | Knowledge and Culture   | NWO Horizon programme                          | € <sup>7</sup>  | 2,000,000 |
| 2011 | COgnition Guided Interoperability beTWEEN Collections of musical Heritage (COGITCH)                         | NWO CATCH programme                            | € <sup>8</sup>  | 655,853   |
| 2011 | Tales & Tunes: Modeling oral transmission   | KNAW CH programme                              | € <sup>14</sup> | 827,000   |
| 2010 | Neural plasticity in conscious perception   | UvA research priority area                     | € <sup>8</sup>  | 730,000   |
| 2010 | Hendrik Muller chair in music cognition   | KNAW stipend                                   | €               | 22,500    |
| 2007 | Music Matters: On music and the cognitive sciences  | NWO GW project grant                           | €               | 25,000    |
| 2005 | Emergent cognition Through Active Perception (EmCAP)  | EU FP6 IST project grant                       | € <sup>7</sup>  | 1,850,000 |
| 2005 | Music as a social, psychological and acoustical phenomenon: a cognitive revolution in musicology            | NWO GW project grant                           | €               | 158,000   |
| 2004 | PracticeSpace: Exploration and training of music performance skills   | NWO STW project grant                          | €               | 650,000   |
| 2001 | Music Orchestration Systems in Algorithmic Research and Technology (MOSART)                                 | EU FP5 IHP project grant                       | f               | 220,000   |
| 1997 | Quantization of music with neural networks  | NWO STW Project grant                          | f               | 220,000   |
| 1997 | Disclosure of large musical databases   | NWO SION project grant                         | f               | 220,000   |
| 1995 | A formalism for knowledge representation in music   | KNAW Fellowship extension                      | f               | 100,000   |
| 1992 | A formalism for knowledge representation in music   | KNAW Fellowship                                | f               | 150,000   |

For a full overview of my grant proposals see: <http://www.mcg.uva.nl/research.html>.

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<sup>7</sup> Total budget; my own research received approximately 25% of this amount.

<sup>8</sup> Total budget; my own research received approximately 50% of this amount.

## Appendix: Research Output using Standard Evaluation Protocol (SEP)<sup>9</sup>

### 1. Ten most important publications

1. **Honing, H.** (2019). *The Evolving Animal Orchestra. In Search of What Makes Us Musical*. Cambridge, Mass.: The MIT Press. [Translation of *Aap slaat maat*, 2018; Translations in German, Italian and Spanish underway.]
2. **Honing, H., & Bouwer, F. L.** (2019) Rhythm. In Rentfrow, P.J., & Levitin, D. (eds.), *Foundations in Music Psychology: Theory and Research*. Cambridge, Mass.: The MIT Press.
3. **Honing, H.** (ed.) (2018). *The Origins of Musicality*. Cambridge, Mass.: The MIT Press.
4. **Honing, H.** (2018). On the biological basis of musicality. *Annals of the New York Academy of Sciences* (The Neurosciences and Music VI: Music, Sound and Health).
5. **Honing, H., Bouwer, F.L., Prado, L., & Merchant, H.** (2018). Rhesus monkeys (*Macaca mulatta*) detect isochrony in rhythm: Additional support for the gradual audiomotor evolution hypothesis. *Frontiers Neuroscience*. doi:10.3389/fnins.2018.00475.
6. **Honing, H., ten Cate, C., Peretz, I., & Trehub, S.** (2015). Without it no music: Cognition, biology, and evolution of musicality. *Philosophical Transactions of the Royal Society B: Biological Sciences*, 370 (1664).
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8. Merchant, H. & **Honing, H.** (2014). Are non-human primates capable of rhythmic entrainment? Evidence for the gradual audiomotor evolution hypothesis. *Frontiers in Neuroscience*, 7(274) 1-8.
9. **Honing, H.** (2012). Without it no music: beat induction as a fundamental musical trait. *Annals of the New York Academy of Sciences*, 1252: *The Neurosciences and Music IV — Learning and Memory*, 85–91.
10. Winkler, I., Haden, G., Ladinig, O., Sziller, I., & **Honing, H.** (2009). Newborn infants detect the beat in music. *Proceedings of the National Academy of Sciences*, 106, 2468-2471.

### 2. Refereed articles

1. Haden, G. P., Bouwer, F. L., **Honing, H.**, & Winkler, I. (2024). Beat processing in newborn infants cannot be explained by statistical learning based on transition probabilities. *Cognition*, 243, Article 105670. Advance online publication. doi: 10.1016/j.cognition.2023.105670
2. Chittar, C. R., Jang, H., Samuni, L., Lewis, J., **Honing, H.**, Loon, E. E. van, & Janmaat, K. R. L. (2023). Music production and its role in coalition signaling during foraging contexts in a hunter-gatherer society. *Frontiers in Psychology*, 14, Article 1218394. doi: 10.3389/fpsyg.2023.1218394
3. Ning, Z.-Y., **Honing, H.**, & ten Cate, C. (2023). Zebra finches (*Taeniopygia guttata*) demonstrate cognitive flexibility in using phonology and sequence of syllables in auditory discrimination. *Animal Cognition*. DOI 10.1007/s10071-023-01763-4
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## 6. PhD theses (supervised, and in progress)

1. B. Cornelissen, *Measuring Musics* (*promotor* with dr. W. Zuidema and dr. J. A. Burgoyne, UvA); February 2024.
2. J. Pfeifer, 'Amusia' (*promotor* with P. Boersma, UvA), March, 2022, ILLC / UvA.
3. B. van der Weij, *Experienced Listeners: Modeling the influence of long-term musical exposure on rhythm perception*; October 2020; ILLC / UvA.
4. C. Vaquero, 'What makes a performer unique? Idiosyncrasies and commonalities in expressive music performance', Spring 2019, ILLC/UvA.
5. A. Jaschke, 'is Music a Luxury?: What we know - and do not know - about the Neurocognitive and Behavioural effects of music education.' (*promotor* with E. Scherder, VU). January 2019, VU.
6. B. Janssen, 'Retained or lost in transmission? Analyzing and Predicting Stability in Dutch Folk Songs.' February 2018, ILLC / UvA.
7. F. Bouwer, 'Temporal aspects of music and the role of attention and memory in music cognition.' June 2016, ILLC / UvA.
8. O. Ladinig, 'Temporal expectations and their violations.' October 2009, ILLC / UvA.
9. M. Sadakata, 'Ritme & Rizumu: Studies in Music Cognition.' November 2006, NICI / KUN (*co-promotor* until 2003).
10. R. Timmers, 'Freedom and constraints in timing and ornamentation. Investigations in music performance.' September 2002, NICI / KUN
11. H. Heijink, 'Redundancy control in music performance: Towards an understanding of the role of constraint satisfaction.' September 2002, NICI / KUN.
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13. J. Weidema, 'Cognitive mechanisms of relative pitch' [cancelled in 2018]
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15. X. Huang, *Music cognition within a certain culture: hook(s) in Chinese pop music and what makes Chinese music memorable?* [expected to be defended in 2025]
16. J. Li, *Unravelling our capacity for music* [work title]. [expected to be defended in 2026]
17. M. Vélez Vásquez, *Playability* [work title] (*promotor* with dr. W. Zuidema and J. A. Burgoyne, UvA) [expected to be defended in 2026]

## 7. Preprints

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3. Ning, Z-Y., Honing, H., & ten Cate, C. (2022). Zebra finches (*Taeniopygia guttata*) demonstrate cognitive flexibility in using phonology and sequence of syllables in auditory discrimination. (v1 ed.) *Research Square*. <https://doi.org/10.21203/rs.3.rs-2247248/v1>

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## 9. Professional publications

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30. Desain, P., & **Honing, H.** (1993). *Lisp programming for computer music*. (Tutorial notes International Computer Music Conference). Tokyo: Waseda University.
31. Desain, P., & **Honing, H.** (1993). *Shoes news 1*. (electronic newsletter). Nijmegen: University of Nijmegen.
32. Desain, P., **Honing, H.**, Jong, P. d., Spek, R. v. d., & Vos, S. d. (1992). *Audit report. Portfolio Management System*. Utrecht: Centre for Knowledge Technology.
33. Desain, P., & **Honing, H.** (1989). *LOCO, composition microworlds in Logo*. (Research Report). Utrecht: Centre for Knowledge Technology.

34. Desain, P., & **Honing, H.** (1988). *LOCO, composition microworld, manual Apple Macintosh*. (Research Report). Utrecht: Centre for Art, Media and Technology, Utrecht School of the Arts.
35. Desain, P., & **Honing, H.** (1988). *LOCO, kompositie microwereld, handleiding Yamaha CX5- MII*. (Research Report). Utrecht: Centre for Art, Media and Technology, Utrecht School of the Arts.
36. Desain, P., & **Honing, H.** (1987). *LOCO, composition microworld, manual Apple IIe*. (Research Report). Utrecht: Centre for Art, Media and Technology, Utrecht School of the Arts.

## 10. Publications aimed at the general public (*selection*)

1. **Honing, H.** (2023). We were born to groove. *Nautilus*, 70.
2. **Honing, H.** (2019). What makes music special to us: Clarifying the differences between what animals and humans hear, *Nautilus*, 70.
3. **Honing, H.** (2019). How playing music for rhesus monkeys is teaching us about our own brains, *Salon* (OCLC 43916723).
4. **Honing, H.** (2017). Wat is een absoluut gehoor en is het erfelijk? In Rinnooy Kan & de Graaf (eds.), *Hoe zwaar is licht?* (pp. 74-76). Amsterdam: Uitgeverij Balans.
5. **Honing, H.** (2015). Do re mi (Interview). In: Govert Schilling (Ed.), *Een aap die kan blozen* (pp. 62-70). Hilversum: Fontaine.
6. **Honing, H.** (2015). Een intieme relatie met emoties en geheugen (Interview). In: Roger van Boxtel (Ed.), *Van trilling tot rilling* (pp. 58-70). Amsterdam: Prometheus | Bert Bakker.
7. **Honing, H.** (3 november 2014). Gaan we de kinderen horen zingen in de klas? *Opinie & Debat, Volkskrant*.
8. **Honing, H.** (2011). Muziek is geen luxe, maar wat dan wel? *Academische Boekengids*, 88, 2-4.
9. **Honing, H.**, Scherder, E., & Swaab, D. (18 juni 2011). Amuzikaal zijn is de grote uitzondering. *Opinie & Debat, Volkskrant*.
10. **Honing, H.** (2007). Noten of letters. De taal van de muziek en het plezier van het luisteren. *Academische Boekengids*, 6(3), 6-7.
11. **Honing, H.** (2006, March 18). De analfabetische luisteraar (kan ook Groot Luisteren) [The illiterate listener], *NRC Handelsblad, Opinie & Debat*, p. 19.
12. **Honing, H.** (2004). Het geheim van de syncope. Over muziekcognitie, meten aan uitvoeringen, spannende ritmes en de aandacht van baby's. *De Groene Amsterdammer* 45, 28-29.
13. **Honing, H.** (2004). Muziek de maat genomen. Over de groeiende rol van theorie en observatie in de musicologie. *De Academische Boekengids*, 4(7). 23.

## 11. Other research output

### Professional memberships, boards and committees

1. Member elect of Royal Netherlands Academy of Arts and Sciences (KNAW) (2019-...)
2. Member elect of the Koninklijke Hollandsche Maatschappij der Wetenschappen (KHMW) (2013-..)
3. Co-founder of the Musicality Genomics Consortium (MusicGens) (2019)
4. Member of the MusicGens Steering committee (2019-..)
5. Board member WeCo Meertens Institute (KNAW) (2015-2023)
6. Scientific director Institute for Interdisciplinary Studies (IIS), UvA ) (2017-2020)
7. Co-founder and Associate of the UvA Institute for Advanced Study (UvA-IAS) (2016-..)
8. Advisory Board, Stichting Papageno (2015-...)
9. Member of the Amsterdam Brain & Cognition (ABC) Board, UvA (2013-2018)
10. Member Onderzoeksraad, Faculty of Humanities, UvA (2013-...)
11. Member SMART Cognitive Science, Faculty of Humanities, UvA (2013-...)
12. Co-initiator ABC Creative Mind Prize, Prize by Freek and Hella de Jonge Foundation and ABC Talent Grant (2013-..)
13. Co-initiator Honorary Fellowship Freek de Jonge, Faculty of Humanities, UvA (2015/2016)
14. Coordinator research priority area Brain & Cognition, Faculty of Humanities, UvA (2013-..)

15. Member Program Group Computational Humanities, Royal Netherlands Academy of Arts and Sciences (KNAW) (2010-2016)
16. Member Program Committee Computational Humanities, Royal Netherlands Academy of Arts and Sciences (KNAW) (2009/2010)
17. Member NWO review committees interdisciplinary research (2009/2010)
18. Advisory Board Muziek telt initiative (www.muzeiktelt.nl) (2010-..)
19. Advisory Board Orion UvPA initiative (2009-...)
20. Member jury muziekscriptie prijs coordinated by Muziek Centrum Nederland (MCN). (2008-..)
21. Vice-President Elect of the European Society for the Cognitive Sciences of Music (ESCOM) (2007-2009)
22. Member Society for Music Perception and Cognition (SMPC) (since 2002)
23. Member European Society for the Cognitive Sciences of Music (ESCOM) (since 1996)
24. Member Vereniging van Academie-onderzoekers (KNAW) (since 1992)
25. Member Cognitive Science Society (CSS) (since 2005)
26. Member Dutch Ethno-musicological Society (A. Bake)
27. Member Forumcommissie Koninklijke Vereniging voor Nederlandse Muziekgeschiedenis (KVN) (2005/2006)
28. External reviewer for most major research funding bodies in the Netherlands, Europe, the US and Canada (NL: NWO and KNAW, EU: FP7, ESF and ERC, US: NSF and NIH, Canada: NSERC, UK: EPSRC). (2003-...)

#### Editorial functions and Scientific Advisory Boards (*selection*)

1. Corresponding Editor for Music Perception (MP)
2. Corresponding Editor for Empirical Musicology Review (EMR)
3. Topic editor Frontiers | Auditory Cognitive Neuroscience
4. Advisory editor Journal of New Music Research (JNMR)
5. Scientific Advisory Board of International Conference on Music Perception and Cognition (ICMPC)
6. Scientific Advisory Board of International Computer Music Conference (ICMC05/06)
7. Scientific Advisory Board of Rhythm Perception and Production Workshop (RPPW)
8. Scientific Advisory Committee of various conferences, including International Conference of Music and Artificial Intelligence (ICMAI), Workshop Constraint Programming and Music (CP01), Brazilian Symposium on Computer Music (SBCM), Computer Music Modeling and Retrieval (CMMR03, 04, 05), Journées d'Informatique Musicale (JIM, 01-05), and Sound and Music Computing (SMC).
9. Reviewer for many journals, including Proceedings of the National Academy of Sciences, Philosophical Transactions of the Royal Society B, Topics in Cognitive Science, Cognition, Cognitive Science, Current Biology, PLOS ONE, Brain & Cognition, Frontiers in Neuroscience, Computer Music Journal, Behaviour & Information Technology, Experimental Brain Research, Journal of the Acoustical Society of America, Leonardo and Music Theory Spectrum.

#### Keynotes, invited lectures, media appearances

I have lectured to **general audiences** on music cognition and musicality at many different venues, including as part of the Studium Generale programmes at most universities in the Netherlands, and at science festivals such as Cheltenham, TEDx and the World Science Festival. My research is frequently **featured in the media**, including in national and international newspapers and magazines (e.g., USA Today, The Guardian, The Independent, Financial Times, Science News, Nature, New Scientist, NRC Handelsblad, de Volkskrant, Trouw) and broadcast media including national public television and public radio. Several documentaries featuring my research have appeared in Dutch and international media (e.g., NPO: *De man zonder ritme*; Netflix: *Music, explained*; CBC *The Music Animal*; BBC *Animal Symphony*; NHK: *Origins of music* [in prep.]). I explored the topic of musicality in an online lecture series produced by the *Universiteit van Nederland* and in a number of international podcasts (E.g., *Big Biology*, *The Dissenter*, *Musicality Now*, *Origins by the Leaky Foundation*).

For an overview of my media appearances (over 300) see <https://www.mcg.uva.nl/press/> and <https://www.youtube.com/musiccognition> for video fragments.

*Invited lectures* [For more recent lectures, see <sup>12</sup>]

1. **Keynote.** (3-11-2023). Iedereen is muzikaal: wat we weten over het luisteren naar muziek, Eiwerkcongres, Amsterdam, NL. <https://eiwerk.nl/projecten/congres/>
2. **Keynote.** (29-8-2023). The evolving animal orchestra: In search of what makes us musical. EHub, Inuyama, J
3. **Speaker** (24-8-2023). Comparative Research on Beat and Isochrony Perception in Primates. ICMPC, Tokyo, J
4. **Keynote.** (18-8-2023). Muziek is geen rocketscience. Of wel?, Lowlands Science, Biddinghuizen, NL. <https://lowlands.nl/acts/new-scientist-live-muziek-is-geen-rocketscience-of-wel/>
5. **Keynote.** (6-7-2023). Iedereen is muzikaal. Wat we weten over het luisteren naar muziek, Eduard Douwe Dekker Huis, Amsetrdam, NL.
6. **Keynote.** (22-5-2023). In search of what makes is musical, Language in Interaction Meeting, Amsterdam, NL.
7. **Keynote.** (17-5-2023). On the musicality of the human species, Study Association for students of Cultural Anthropology and Development Sociology at the University of Amsterdam (CASA), Amsterdam, NL.
8. **Invited speaker.** (13-5-2023). Iedereen is muzikaal: Wat we weten over het luisteren naar muziek, Het Schielandhuis, Rotterdam, NL.
9. **Keynote.** (7-5-2023). On the origins of musicality, Leakey Foundation, San Francisco, US,
10. **Keynote.** (5-5-2023). On the origins of musicality, San Francisco Conservatory of Music, US.
11. **Keynote.** (14-4-2023). Iedereen is muzikaal: Wat we weten over het luisteren naar muziek, Interdisciplinair Congres Amsterdam, Amsterdam, NL.
12. (26-2-2023). Uitvogelen (muziekcollege), Kazerne, Eindhoven, NL.
13. **Keynote.** (15-2-2023). What makes us musical animals?, Lustrumsymposium De Leidsche Flesch, Leiden.
14. **Speaker.** (11-2-2023). Uitvogelen (muziekcollege), De Waalse Kerk, Utrecht, NL.
15. **Invited speaker** (19-1-2023). Probing beat and rhythm perception in primates, Rhythm, Music, and Animal Communication Symposium , Nijmegen, NL.
16. Lancering ToontjeHoger, Spui 25, Amsterdam, NL (28.11.2022)
17. **Keynote.** Iedereen is muzikaal, Innovators VO Academy, Rijtuigenloods, Amersfoort, NL (08.11.2022)
18. **Keynote.** The evolving animal orchestra, Congres Amsterdam Cardiovascular Sciences, Felix Meritus, Amsterdam, NL (20.09.2022)
19. **Keynote.** Muziek en genetica, Congres Genoomdiagnostiek, TivoliVredenburg, Utrecht, NL (24.06.2022)
20. **Muziekcollege.** Muzikale dieren, SNAAR Festival, TivoliVredenburg, Utrecht, NL (28.05.2022)
21. **Keynote.** Der Affe Schlägt den Takt, Historisches Museum Basel, CH (09.04.2022)
22. **Keynote.** Iedereen is muzikaal. Nederlands Akoestisch Genootschap, Utrecht, NL (06.04.2022)
23. **Keynote.** The evolving animal orchestra. Studium Generale Eindhoven, NL (17.01.2022)
24. Chords of the Brain: Musicality explained, Bètabreak / Spui25, Amsterdam, NL (15.12.2021)
25. Q & A at Gala van de wetenschap, Stadschouwburg, Amsterdam, NL (23.11.2021)
26. **Keynote.** What makes us musical animals?, Amsterdam UMC, NL (4.11.2021)
27. Muzikale dieren? (online), KNAW, Amsterdam, NL (9.9.2021)
28. Lezing over muzikaliteit (online), LUMC, Audiologie, Leiden, NL (12.01.2021)
29. On the origins of musicality (online), Lecture series, udk-berlin.de (11.01.2021)
30. On the origins of musicality (online), Keio University, J (21.12.2020)
31. **Keynote** (online). On the origins of musicality, CBEN, NL (13.11.2020)
32. Presentation (hybrid) during LUISTER/LISTEN event, Koninklijk Conservatorium, Den Haag, NL (28.10.2020)
33. Iedereen is muzikaal, Kielzog theater, Hoogezand, NL (19.09.2020)
34. **[N.B. Lectures from January until September 2020 cancelled due to health issues and pandemic]**
35. **Keynote.** In search of what makes us musical, Science & Cocktails (DIEP, NWA), Paradiso, Amsterdam, NL (27.01.2020)
36. Lezing over muzikaliteit, ACTA, Universiteit van Amsterdam, NL (11.12.2019)
37. Lezing over muzikaliteit, Bagels & Beans, Delft, NL (26.11.2019)
38. Lezing over muzikaliteit, GAIN symposium, Zoetermeer, NL (19.11.2019)

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<sup>12</sup> <http://tinyurl.com/hk8f6xy>

39. Muzikaliteit in dieren, **Studium Generale**, Groningen, NL (06.11.2019)
40. **Keynote**. What makes us musical animals. ISMIR 2019, TU Delft, NL (05.11.2019)
41. *Der Affe schlägt den Takt*: Buchpremiere, Dutch Embassy, Berlin, G (01.11.2019)
42. Lezing over muzikaliteit, Academy Franeker, NL (30.10.2019)
43. Lezing over muzikaliteit, Tivoli/Vredenbrug, Utrecht, NL (02.10.2019)
44. **Keynote**. What makes us musical animals, ISRA 2019, Pakhuis Willem de Zwijger, Amsterdam, NL (15.09.2019)
45. **Keynote**, Science Night 2019, Amsterdam UMC, Pakhuis Willem de Zwijger, Amsterdam, NL (12.04.2019)
46. **[N.B. Lectures from January until April 2019 cancelled due to health issues]**
47. **Public lecture**. *Miracles of Music Show*, w. Prof. Erik Scherder & Prof. Dick Swaab, De Doelen, Rotterdam, NL (02.12.2018)
48. **Keynote**. *Publieksdag 'Daar zit muziek in'*, LIBC, UL, Leiden, , NL (30.11.2018)
49. **Keynote**. *Miracles of Music Congress*, VU, Amsterdam, NL (15.11.2018)
50. **Theatercollege**. *Miracles of Music Show*, w. Prof. Erik Scherder & Prof. Dick Swaab, Stadsgehoorzaal, Leiden, NL (10.06.2018)
51. **[N.B. Lectures from February to November 2018 cancelled due to health issues]**
52. *Debat: Is muziek echt zo uniek?* Universiteitsdag, UvA, Amsterdam, NL (09.06.2018)
53. **Public lecture**. *Miracles of Music Show*, w. Prof. Erik Scherder & Prof. Dick Swaab, Concertgebouw, Amsterdam, NL (17.01.2018)
54. Lezing over muzikaliteit, Utrecht University, Utrecht, NL (22.11.2017)
55. Lecture at KNAW Diversity Congress, Getrudikapel, Utrecht, NL (21.11.2017)
56. Lezing over muzikaliteit, De Buren, Brussel, B (20.10.2017)
57. Lezing over muzikaliteit, Publieksdag Hersenstichting, De Doelen, Rotterdam, NL (12.10.2017)
58. **Public lecture**. *Miracles of Music Show* (try-out) w. Prof. Erik Scherder & Prof. Dick Swaab, Schouwburg Amstelveen, NL (11.10.2017)
59. Lecture on Musicality, Utrecht University, NL (28.08.2017)
60. Lecture on Musicality, Université de Genève, S (21.08.2017)
61. Lecture at Summerschool on Music, Language and Cognition, Lake Como, I (26.07.2017)
62. **Keynote**. Symposium on the biological basis of musicality, Neuroscience & Music VI, Boston, MA, US (17.06.2017)
63. **Keynote**. What makes us musical animals, UMC Groningen, Groningen, NL (02.06.2017)
64. **Public lecture**. *Iedereen is muzikaal*, Zuiderstrandtheater, Scheveningen, NL (26.05.2017)
65. Lezing *Kunst als leermeester van de wetenschap?*, KNAW, Amsterdam, NL (23.05.2017)
66. Lezing *Muziek als medicijn?*, Spui25, Amsterdam, NL (18.05.2017)
67. **Public lecture**. *Iedereen is muzikaal*, Theater de Meervaart, Amsterdam, NL (14.02.2017)
68. **Keynote** Address. What makes us musical animals, Barenboim–Said Academy for music and the humanities, Berlin, G (23.11.2016) 2017
69. **Public lecture**. *Iedereen is muzikaal*, Leidse Schouwburg, Leiden, NL (07.11.2016)
70. Lezing *Iedereen is muzikaal*, Theater de Meervaart, Amsterdam, NL (01.11.2016)
71. Conversation with Colin Benders, Trippenhuis, Academie voor de Kunsten, Amsterdam, NL (31.10.2016)
72. Lecture on 'Beat Deafness', Symposium on Congenital Amusia, Belle van Zuylenzaal, Amsterdam, NL (27.10.2016)
73. Member Forum on "Musicality and Technology", Elizabeth Wirth, New Music Building, Montréal, CA (21.10.2016)
74. **Keynote**, Distinguished Lecture on Musicality, Tanna bschultzich Hall, New Music Building, Montréal, CA (20.10.2016)
75. Lecture on Musicality, TU Dresden, Dresden, G (11.10.2016)
76. **Public lecture**. *Iedereen is muzikaal*, Schouwburg De Lawei, Drachten, NL (05.10.2016)
77. Lezing over muzikaliteit, Kaap Doorn Conferentiecentrum, Doorn, NL (23.08.2016)
78. The Art of Listening, Round table with Olga Neuwirth et al., Holland Festival, Stadsschouwburg, Amsterdam, NL (14.06.2016)
79. **Keynote** Address. *Iedereen is muzikaal*. Congres Grote Prijs van Nederland. Paradiso, Amsterdam, NL (13.05.2016)
80. **Public lecture**. *Iedereen is muzikaal*, Museumweek, Instituut voor Beeld en Geluid, Hilversum, NL (17.04.2016)

81. What makes us musical animals. Nederlands Instituut in Sint-Petersburg, RU (13.04.2016)
82. What makes us musical animals. Московская высшая школа социальных и экономических, Moscow, RU (11.04.2016)
83. **Keynote** Address. What makes us musical animals. Early Intervention Conference, University Medical Center, Groningen, NL (07.04.2016)
84. **Keynote** Address. Dies speech at the 384th Natalis of the University of Amsterdam, Amsterdam, NL (08.01.2016)
85. **Keynote** Address. What makes us musical animals. Neurorhythm conference, University of Tokyo, JP (18.12.2015)
86. **Public lecture.** *Iedereen is muzikaal.* Nationaal Bibliotheekcongres. Klokgebouw, Eindhoven, NL (09.12.2015)
87. Muziek is meer dan kunst alleen. Maatschappelijke impact van de geestes- en sociale wetenschappen. Adademiegebouw, Utrecht, NL (02.12.2015)
88. Hebben dieren gevoel voor muziek? Eureka! Festival. Wetergasfabriek, Amsterdam, NL (29.11.2015)
89. Breuken, Beats & Beethoven. BètaBreak. Universiteit van Amsterdam, NL (18.11.2015)
90. **Keynote** Address. Voor de muziek uit. Congres Onze Taal. Chassé theater, Breda, NL (07.11.2015)
91. Muziek en het brein. College Club. VondelCS, Amsterdam, NL (21.10.2015)
92. Muziekcognitie. Descartescollege. Universiteit van Utrecht, NL (14.10.2015)
93. Iedereen is muzikaal. Muziekeducatie congres. Haagse Hogeschool, Den Haag, NL (08.10.2015)
94. 24/7 Lecture. European Ig Nobel Show. Science Center Nemo, Amsterdam, NL (03.10.2015)
95. Journalistiek gesprek over muzikaliteit. Ter Gooi Ziekenhuizen, De Vorstin, Hilversum, NL (23.09.2015)
96. Iedereen is muzikaal, Gebroeders Nobel, Leiden, NL (19.09.2015)
97. Musicality. ABC Brain day, Brakke Grond, Amsterdam (01.06.2015)
98. Musicality: Wired for music? Science Café Wageningen, Universiteit van Wageningen, NL (30.04.2015)
99. **Keynote** Address. What makes us musical animals? Conference RIME 2015, Exeter, UK (15.04.2015)
100. Iedereen is muzikaal, Theater Reggehof, Goor, NL (17.03.2015)
101. Iedereen is muzikaal, **Studium Generale**, Universiteit van Twente, Enschede, NL (03.02.2015)
102. What makes us musical animals? MTA, Budapest, HU (09.01.2015)
103. Wat maakt ons muzikale dieren? Theater Diligentia, Den Haag, NL (05.01.2015)
104. Hooked on Music, Top 2000 Symposium, Sound & Vision, Hilversum, NL (20.11.2014)
105. Nacht van de Klassieke muziek, NTR televisie, Amsterdam, NL (19.09.2014)
106. Creativiteit en (het luisteren naar) muziek, KNAW-Muller Seminar, Amsterdam, NL (17.09.2014)
107. Entr' Acte tijdens FGw Opening Academisch jaar, Rode Hoed, Amsterdam, NL (04.09.2014)
108. Muziek in je hoofd. De Nacht van Kunst en Wetenschap, Groningen, NL (24.05.2014)
109. Verstand van Muziek. Filmtheater, Hilversum, NL (20.05.2014)
110. **Keynote** Address. Musical Animals. Can there be? Are we?. EvoMus during EvoLang, Vienna, AU (14.04.2014)
111. Debat muziek en het brein. Handelsbeurs, Gent, B (07.10.2013)
112. **Keynote** Address. World Science Festival Preview, Amsterdam, NL (04.10.2013)
113. **Keynote** Address. Managing Your Talents Symposium, Amsterdam, NL 29.08.2013)
114. **Keynote** Address. Modelling rhythm perception. Logic & Music workshop, Florence, I (16.06.2013)
115. Cognitie en de geesteswetenschappen. KNAW symposium, Amsterdam, NL (10.06.2013)
116. Iedereen is muzikaal i.s.m. Yuri Honing. Concertgebouw, Amsterdam, NL (30.05.2013)
117. Het fascinerende brein. Spui25, Amsterdam, NL (29.05.2013)
118. IgNobel 24/7 lecture competition, Leiden, NL (28.05.2013)
119. Muzikale Dieren. NRC/Spui25, Food for Thought. Amsterdam, NL (08.05.2013)
120. What makes us musical animals. Barcelona, S (26.04.2013)
121. What makes us musical animals (public lecture). Darwin Day 2013, Oslo, N (11.02.2013)
122. Music, Cognition and the Origins of Music (scientific lecture). Darwin Day 2013, Oslo, N (11.02.2013)
123. Muziek en evolutie, Science Café Tilburg, NL (15.01.2013)
124. Bouwstenen van muziek en muzikaliteit, NWO/KNAW Paradisolezing, Amsterdam, NL (06.01.2013)
125. KNAW tweegesprek over muziek, muzikaliteit en Afrika, Spui25, Amsterdam, NL (04.12.2012)
126. Iedereen is muzikaal, Ziggo Dome, Amsterdam, NL (20.11.2012)
127. Iedereen is muzikaal, Muziek Telt congres, Verensmederij, Amersfoort, NL (07.11.2012)
128. What makes us musical animals, Montesorri congres, Rome, I (27.10.2012)
129. What makes us musical animals, Congo congres, Amsterdam, NL(17.10.2012)



130. Iedereen is muzikaal, Leerkrachten congres, Nemo science center, Amsterdam, NL (26.09.2012)
131. Muziekcognitie, Koninklijke Hollandsche Maatschappij Wetenschap, Haarlem, NL (23.09.2012)
132. Wat ons muzikale dieren maakt, mini-college Glazen huis op het Spui, A'dam, NL (03.09.2012)
133. What makes us musical animals. Copenhagen, DK (19.04.2012)
134. Twaalfde Van Foreest Publiekslezing, Alkmaar, NL (17.04.2012)
135. Jaarlijkse Kunst- en Wetenschapslezing, **Studium Generale** Utrecht, NL (10.04.2012)
136. Stand van de Wetenschap, John A. Michon en Henkjan Honing. Spui25, Amsterdam, NL (16.01.2012)
137. What makes humans unique? Introduction to lecture by Daniel Dennett. Aula UvA, Amsterdam, NL (07.01.2012)
138. What makes us musical animals. TEDx, Amsterdam, NL (25.11.2011)
139. Muziek, hersenen en stress. Debat met René Kahn en Marian Joëls. Aula, Amsterdam, NL (21.11.2011)
140. Wat ons muzikale dieren maakt. Congres Podiumkunsten, Enschede, NL (26.09.2011)
141. Iedereen is muzikaal. Conferentie Kinderen maken Muziek, Kaap Doorn, NL (23.09.2011)
142. Ons muzikale brein. Science Café Nijmegen, NL (12.09.2011)
143. Wat ons muzikale dieren maakt. Symposium Muziek Telt!, Amsterdam, NL (22.06.2011)
144. Beat-induction as a fundamental musical skill. Music and Neurosciences, Edinburgh, UK (10.06.2011)
145. Iedereen is muzikaal. Academische Club, Amsterdam, NL (21.04.2011)
146. Iedereen is muzikaal. Studiedag Gehrels Muziekeducatie, Utrecht, NL (26.03.2011)
147. Iedereen is muzikaal. **Studium Generale**, TUE Eindhoven, NL (17.11.2010)
148. Wanneer ben je muzikaal? Illustre School, kinderlezing, Amsterdam, NL (16.10.2010)
149. Wanneer ben je muzikaal? AUV, kinderlezing, Amsterdam, NL (06.11.2010)
150. Iedereen is muzikaal. Vredenburg, Utrecht, NL (13.10.2010 & 20.10.2010)
151. Iedereen is muzikaal, Lochem, NL (08.10.2010)
152. Iedereen is muzikaal. Krisis, Amsterdam, NL (01.10.2010)
153. Iedereen is muzikaal. Studentenvereniging Congo, Amsterdam, NL (08.06.2010)
154. Iedereen is muzikaal. Music & Science festival, Zutphen, NL (17.04.2010)
155. Iedereen is muzikaal. EPTA, Nunspeet, NL (13.11.2010)
156. Is beat induction a fundamental musical skill? Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, G (07.07.2010)
157. Iedereen is muzikaal. Nemo zondagmiddaglezing, NEMO, Amsterdam, NL (23.05.2010)
158. Beat-induction as a fundamental musical skill. Music Meets Science festival, Burgerzaal, Zutphen, NL (17.04.2010)
159. Kunstencongres Jouw brein achter de kunst; kunst vanuit een neurologische invalshoek, Huis de Beurs, Groningen, NL (14.04.2010)
160. Iedereen is muzikaal, Series of public lectures organized by the Illustere School, University of Amsterdam, Amsterdam, NL (30.03.2010, 13.04.2010, 27.04.2010)
161. Iedereen is muzikaal, Noorderslag Science with prof. Tom ter Bogt and others, Eurosonic festival, Oosterpoort, Groningen, NL (15.01.2010)
162. Iedereen is muzikaal, presentation with Mariecke van der Linden (piano/zang), Stadschouwburg, Amsterdam, NL (07.01.2010)
163. Do newborn infants have a sense of rhythm? European Society for Cognitive and Affective Neuroscience (ESCAN), Amsterdam, NL (11.12.2009)
164. De onoplettende luisteraar: wat we weten over het luisteren naar muziek (zelfs als we iets anders doen) , Universiteit van Maastricht i.s.m. Nederlands Instituut voor Beeld en Geluid, Hilversum, NL (20.11.2009)
165. Iedereen is muzikaal, Studievereniging VSPA, Amsterdam, NL (18.11.2009)
166. Is beat induction innate or learned? Workshop entrainment and synchronization in music and speech, Université Libre de Bruxelles, B (14.11.2009)
167. Iedereen is muzikaal. Studiedag muziektherapie "ritme, hersenen en wetenschap", Nederlandse Vereniging voor Muziektherapie (NvMT), Nijmegen, NL (12.11.2009)
168. We zijn allemaal muzikale dieren, De stelling van..., Universiteit van Amsterdam | Spui 25, NL (12.10.2009)
169. Is beat induction innate or learned? Workshop at Institute of Cognitive Neuroscience, University College London, UK (11.07.2009)
170. Is beat induction innate or learned? Annual Meeting of the Experimental Psychology Society, York, UK (09.07.2009)

171. On the origins of music: Is beat induction innate or learned? BCN Symposium 'In Time: clocks in the brain and concepts of time', Universiteit van Groningen (11.06.2009)
172. 'Iedereen is muzikaal', Universiteitsdag Universiteit van Amsterdam (06.06.2009)
173. 'Wanneer ben je muzikaal?' Wakker Worden Kinderlezing, NEMO ism UvA en het Parool (24.05.2009)
174. 'Muziek en geheugen', Festival Het Geheugenhuis De Waag ism Rathenau en het Parool (18.04.2009)
175. Swing and groove: How does it work? Lustrum **Studium Generale**, Universiteit van Groningen (07.04.2009)
176. 'Is beat induction uniquely human? And why might that be relevant?' Colloquium Behavioural Biology, Universiteit van Leiden (27.01.2009)
177. 'Heb je ritmegevoel?', Festival Noorderslag, Groningen (17.01.2009)
178. 'Zit muziek tussen je oren of in je hoofd?'. Spinozadebatten, NWO (with Het Paard van Troje, NRC Handelsblad, VPRO en Teleac), Den Haag, NL. (16.12.2008)
179. 'Zonder luisteraar geen muziek', Finals Academic Year Prize, Leiden, NL. (11.07.2008)
180. Musical competence and the role of exposure. Conference Music, Science and the Brain, Plymouth University, UK. (27.09.2008)
181. 'Good Vibrations'. Cheltenham Science Festival, UK. (07.06.2008)
182. 'Magie van de Wetenschap', KNAW, Amsterdam, NL. (29.02.2008)
183. Music cognition. Noorderslag Science, Groningen, NL. (18.12.2007)
184. Music, Neuroscience and Technology, CosmoCAixa Barcelona, S. (16.11.2007)
185. Natuur- en Letterkundig Genootschap Physica. (27.10.2007)
186. Conference of the Gesellschaft fuer Musikforschung. (28.09.2007)
187. UvA Opening Academisch jaar. (03.09.2007)
188. UvANacht Wetenschap van het luisteren. (16.06.2007)
189. On the growing role of observation, formalization and experimental method in musicology. Utrecht Colloquia in the Musicologies, University of Utrecht, NL (21.03.2007)
190. Towards a science of listening. Composers seminar series. Stichting Walter Maas Huis, Bilthoven, NL (23.02.2007)
191. Hersendialogen on the Brainspotting Festival. Rathenau Institute, Amsterdam (08.12.2006).
192. Muziek de maat genomen. Seminar on Karl R. Popper in relation to music research. DocARTES program, Orpheus Institute Ghent, BE (23.11.2006)
193. Virtual Rhythm Space. Presentation at the opening of the Virtual Knowledge Studio on e-science with 2006 Boy Edgar Prize winner Benjamin Herman, Royal Academy of Arts and Sciences (KNAW), Amsterdam, NL (11.10.2006)
194. "Zonder luisteraar geen muziek" Conference on music and education "Harmonie in Gedrag", Haagse Hogeschool, Den Haag, NL (06.10.2006)
195. Symposium. "Music and Cognition: What cognitive science can learn from music cognition." Lecture at symposium during the XXVIII Annual Conference of the Cognitive Science Society (CogSci2006), Vancouver, CA (25.07.2006)
196. Invited professor. Sound and Music Computing Summer School: Course on music cognition, Barcelona, S (24-26.06.2006)
197. "Muziek is geen geluid", UvA/VSPA lezingencyclus "Een andere kijk op psychologie", Amsterdam, NL (22.06.2005).
198. "Rituelen, ritme en cognitie", Facultaire Opening Academic Year 2005/2006, UvA, Amsterdam, NL (08.09.2005).
199. "Muziek, cognitie en wetenschap", Utrechtse Studievereniging voor Cognitieve Kunstmatige Intelligentie (USCKI), Utrecht, NL (18.10.2005).
200. "Mensen zijn muzikaler dan ze denken", Meeting on Cognition and Creation, Royal Academy of Arts and Sciences (KNAW), Amsterdam, NL (02.11.2005).
201. "Computational modeling of rhythm, timing and tempo", Seminar on "New Research Perspectives in Systematic and Comparative Musicology", Musikwissenschaftliches Institut, University of Cologne, G (10.12.2005).
202. "Computational modeling of music cognition : a case study in model selection", Seminar on "Logic & Cognition", University of Amsterdam, NL (16.12.2005).
203. "Nieuwe onderzoeksperspectieven voor de geesteswetenschappen", 3e symposium Geesteswetenschappen en ICT, SURF, Amsterdam, NL (01.10.2004).

204. "Music cognition lectures", Northwestern University (NU), USA (05, 10 and 12.05.2004).
205. "Music cognition: on rhythm, timing and tempo", SARC, Queens University, Belfast, Ireland (28.04.2004).
206. "Muziekcognitie", **Studium Generale**, Thema "Lichaam & Geest", University of Maastricht, NL (29.01.2004).
207. "Een slag in de ritmeruimte: over ritme, timing en tempo in muziek" Winter Meeting Mathematical Association (Koninklijk Wiskundig Genootschap) Utrecht, NL (10.01.2004).
208. Opening **Keynote** Address. "The Final Ritard: On Music and Motion." Conference "Researching Musical Understanding" (SEMPRE). Department of Psychology, Keele University, UK.
209. "On rhythm, timing and tempo". Conference of the International Association of Schools of Jazz (IASJ). Den Haag, NL.
210. "Rhythm and timing: a cognitive approach." Ohio State University, School of Music, Columbus, USA.
211. "Rhythm and timing: a cognitive approach." McGill University, Department of Psychology, Montreal, CA.
212. Invited Tutorial. "Music technology and the role of music cognition research." PhD-seminar, Media Studies, University of Amsterdam, NL.
213. "Rhythm perception and categorization." School of Informatics, City University, London, UK.
214. "Structure and interpretation of rhythm and timing." Music and Arts Professions Department, School of Education, New York University, New York, USA
215. "Rhythm perception and categorization." Institute for Research in Cognitive Science (IRCS), University of Pennsylvania, USA.
216. Invited Tutorial. "Rhythm and timing: a cognitive approach." Music Department, Columbia University, New York, USA.
217. "Structure and interpretation of rhythm and timing." Music Department, New York University, New York, USA
218. "Modeling rhythm perception and quantization." Music and AI Group, University of Edinburgh, UK.
219. Invited Tutorial. "Rhythm perception." University of Padova (DEI), Padova, Italy.
220. Invited Panel Member. "Position statement on music performance research." International conference on "Current directions in computer music." University Pompeu Fabra (IUA-UPF), Barcelona, Spain.
221. "Modeling rhythm perception and quantization." Music Technology Group, Audiovisual Institute, University Pompeu Fabra (IUA-UPF), Barcelona, Spain.
222. "Quantization of temporal patterns for automatic music transcription." Technology Foundation (STW) Board Meeting, Utrecht, NL.
223. "Overview of Music, Mind, Machine research." University of Denmark (DIKU), Copenhagen, Denmark.
224. "Overview of Music, Mind, Machine research." VSNU Board Meeting, Nijmegen., NL.
225. "Over ritme en klonters in de tijdspap." Science and Journalism Symposium, Felix Meritis, Amsterdam, NL.
226. "Modeling vibrato and portamento in music performance." Buys Ballot Laboratories, Utrecht University (RUU), Utrecht, NL.
227. "Computational models of beat-induction." Workshop Language and Music Processing, CNRS, Marseille, France.
228. **Keynote** Address (with P. Desain). "Computational modeling of vibrato and portamento." International Conference on Music Perception and Cognition (ICMPC), Montreal, Canada.
229. "Formalizing timing and tempo." Mathematical Science Department, IBM Thomas J. Watson Center, New York, USA.

#### Media optredens (last ten years)<sup>13</sup>

1. Honing, H. (28-12-2023). A year in music science; Wonder, volume and animals that groove [Radio] NPR. A year in music science.... <https://www.npr.org/transcripts/1198916184>
2. Honing, H. (19-12-2023). Maatgevoel [Print] De Morgen. Pasgeboren baby's hebben een muzikale aanleg. <https://www.demorgen.be/snelnieuws/baby-s-van-twee-dagen-oud-hebben-al-maatgevoel-b3ado371/>
3. Honing, H. (17-12-2023). Bird Singalong Project [Television] RTV West. Onderzoek naar zingende papegaaien gaat wereldwijd. <https://www.omroepwest.nl/nieuws/4784678/onderzoek-naar-zingende-papegaaien-gaat-wereldwijd-hoe-herkennen-ze-melodieen>
4. Honing, H. (15-12-2023). Maatgevoel [Print] Trouw. Baby's van twee dagen oud hebben al maatgevoel.

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<sup>13</sup> For a full list of press coverage see <https://www.mcg.uva.nl/press/>

- <https://www.trouw.nl/wetenschap/baby-s-van-twee-dagen-oud-hebben-al-maatgevoel-b3ado371/>
5. Honing, H. (01-12-2023). Maatgevoel [Print] Parool. Baby's hebben maatgevoel blijkt uit onderzoek. <https://www.parool.nl/ps/baby-s-hebben-maatgevoel-blijkt-uit-onderzoek-van-deze-uva-hoogleraar-het-is-belangrijk-voor-de-groepscohesie-b6c979be/>
  6. Honing, H. (30-11-2023). Pasgeboren baby's hebben van nature al maatgevoel [Radio] BNR Nieuwsradio. Pasgeboren baby's hebben van nature al maatgevoel. <https://www.bnr.nl/podcast/wetenschap-vandaag/10533498/pasgeboren-baby-s-hebben-van-nature-al-maatgevoel>
  7. Honing, H. (14-11-2023). NRC [Print] NRC Handelsblad. BaYaka-vrouwen in Congo zingen als ze samenwerken – en dat maakt het bos blij. <https://www.nrc.nl/nieuws/2023/11/14/bayaka-vrouwen-in-congo-zingen-als-ze-samenwerken-en-dat-maakt-het-bos-blij-a4180831>
  8. Honing, H. (08-11-2023). De Groene Amsterdammer [Print] De Groene. De A12 als orkestbak; Extinction Rebellion zet muziek in. [https://www.groene.nl/artikel/de-a12-als-orkestbak?utm\\_campaign=website&utm\\_medium=social&utm\\_source=twitter](https://www.groene.nl/artikel/de-a12-als-orkestbak?utm_campaign=website&utm_medium=social&utm_source=twitter)
  9. Honing, H. (09-10-2023). De Morgen [Print] De Morgen. Hoe kun je beter leren zingen? 'Verdiep je eerst in je eigen stem'. <https://www.demorgen.be/beter-leven/hoe-kun-je-beter-leren-zingen-verdiep-je-eerst-in-je-eigen-stem-bf4ac5a9/>
  10. Honing, H. (04-10-2023). Algemeen Dagblad [Print] AD. Als het baasje rustig wordt van Mozart, geldt dat dan ook voor zijn huisdier?. <https://www.ad.nl/tilburg/als-het-baasje-rustig-wordt-van-mozart-geldt-dat-dan-ook-voor-zijn-huisdier-agb3c4co/>
  11. Honing, H. (03-04-2023). De nacht van [Radio] NPO Radio 1. Marathon interview. <https://www.nporadio1.nl/podcasts/de-nacht-van/87201/henk-jan-honing-iedereen-is-muzikaal>
  12. Honing, H. (28-03-2023). VPRO Gids [Print] VPRO Gids. Mooie muziek, maar waarom?. <https://www.vprogids.nl/2023/13/inhoud/artikelen/p32-Mooie-muziek--maar-waarom-.html>
  13. Honing, H. (23-01-2023). Ieder mens kan muziek herkennen, maken en waarderen [Print] NewScientist. 'Ieder mens kan muziek herkennen, maken en waarderen'. <https://www.newscientist.nl/blogs/ieder-mens-kan-muziek-herkennen-maken-en-waarderen/>
  14. Honing, H. (17-01-2023). Is music an exclusively human thing? A new study says no [Radio] NPR. Is music an exclusively human thing? A new study says no. <https://www.npr.org/2023/01/17/1149646375/is-music-an-exclusively-human-thing-a-new-study-says-no>
  15. Honing, H. (12-01-2023). Apensoort Gibbons zingen samen duetten [Radio] Nieuws & Co, NPO Radio 1. Apensoort Gibbons zingen samen duetten. <https://www.nporadio1.nl/fragmenten/nieuws-en-co/ce3f4b37-7861-41c6-92dd-b3dc92ca6c8d/2023-01-12-apensoort-gibbons-zingen-samen-duetten>
  16. Honing, H. (07-12-2022). Benieuwd hoe muzikaal je bent? Test het op dit platform, ook als je gestopt bent met blokfluitles [Print] Parool. Interview (Parool). <https://www.parool.nl/ps/benieuwd-hoe-muzikaal-je-bent-test-het-op-dit-platform-ook-als-je-gestopt-bent-met-blokfluitles-bod17e30/>
  17. Honing, H. (15-11-2022). <https://www.kijkmagazine.nl/science/bewegen-ratten-echt-met-het-ritme-van-de-muziek-mee/> [Print] Kijk. Interview (Kijk). <https://www.kijkmagazine.nl/science/bewegen-ratten-echt-met-het-ritme-van-de-muziek-mee/>
  18. Honing, H. (11-11-2022). Rats Move to Musical Beat as Humans Do, New Study Suggests [Print] Wall Street Journal. Commentary (WSJ). <https://www.wsj.com/articles/rats-move-music-beat-11668186204>
  19. Honing, H. (09-08-2022). 'Muziek is niet alleen een compositie, de luisteraar doet zeker de helft van het werk' [Print] Volkskrant. Interview (Volkskrant). <https://www.volkskrant.nl/nieuws-achtergrond/muziek-is-niet-alleen-een-compositie-de-luisteraar-doet-zeker-de-helft-van-het-werk-b816f225/>
  20. Honing, H. (20-04-2022). Dierentaal en muziek [Television] Atlas (NPO1). Atlas (NPO 1). [https://www.ntr.nl/Atlas/439/detail/Atlas/VPWON\\_1335384](https://www.ntr.nl/Atlas/439/detail/Atlas/VPWON_1335384)
  21. Honing, H. (08-04-2022). De dansende kaketoew Snowball is een geschenk voor de wetenschap [Print] Quest. Interview (Quest). <https://www.quest.nl/mens/psychologie/a39673230/kaketoew-snowball-waarom-houden-mensen-van-muziek/>
  22. Honing, H. (20-01-2022). Beastly beats: The origins of musicality (with Henkjan Honing) [Web] Big Biology Podcast. Big Biology Podcast. <https://www.bigbiology.org/episodes/2022/1/20/ep-76-beasty-beats-the-origins-of-musicality-with-henkjan-honing>
  23. Honing, H. (20-01-2022). De Kippenvelfactor | De Ontroering [Web] Cello Biennale Amsterdam. Cello Biennale Podcast. <https://podcasts.apple.com/us/podcast/1-de-kippenvelfactor/id1606194833?i=1000548483145>
  24. Honing, H. (04-01-2022). Der Ursprung von Musik [Radio] Deutschlandfunk. Der Ursprung von Musik.

- <https://www.deutschlandfunk.de/forscher-streitfrage-ursprung-der-musik-100.html>
25. Honing, H. (01-10-2021). 'Elk geluid is muziek, als je er als muziek naar luistert' [Print] NewScientist. 'Elk geluid is muziek, als je er als muziek naar luistert'. <https://www.mcg.uva.nl/press/press-Pages/page-207.html>
  26. Honing, H. (01-07-2021). Zijn dieren net zo muzikal als mensen? [Web] Universiteit van Nederland. Zijn dieren net zo muzikaal als mensen? (podcast). <https://www.universiteitvannederland.nl/podcast/zijn-dieren-net-zo-muzikaal-als-mensen>
  27. Honing, H. (01-05-2021). Muzikaliteit bij dieren [Web] Radio Swammerdam. Muzikaliteit bij dieren. (podcast). <https://soundcloud.com/swammerdam/muzikaliteit-bij-dieren>
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  31. Honing, H. (29-01-2021). Where Did Music Come From? Here Are the Leading Theories [Web] Discovery. Where Did Music Come From? Here Are the Leading Theories.. <https://www.discovermagazine.com/planet-earth/where-did-music-come-from-here-are-the-leading-theories>
  32. Honing, H. (11-12-2020). Was het ritme van alledaagse bewegingen het opstapje naar ons muziekgevoel? [Print] Volkskrant | wetenschap. Wilde Ideeën. <https://www.volkskrant.nl/wetenschap/was-het-ritme-van-alledaagse-bewegingen-het-opstapje-naar-ons-muziekgevoel~b2d3e261/>
  33. Honing, H. (12-04-2020). Sleep: rust en bezinning in de nacht [Radio] VPRO Vrije Geluiden. Muziek luisteren terwijl je slaapt. <https://www.nporadio4.nl/vrijegeluiden/nieuws/5047-sleep-rust-en-bezinning-in-de-nacht>
  34. Honing, H. (04-04-2020). Algemeen Dagblad /NewScientist [Print] New Scientist. Baby's zijn muziekkenners. <https://www.newscientist.nl/blogs/pasgeboren-babys-zijn-muzikaal/>
  35. Honing, H. (27-02-2020). NPO Radio 4 [Radio] NPO Radio 4. Over muziek en vogelzang. <https://www.mcg.uva.nl/press/press-Pages/page-194.html>
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Se older press coverage at <https://www.mcg.uva.nl/press/>.

## 12. Numerical details

|  |     |
|--|-----|
| Number of PhD dissertations supervised as primary and direct supervisor since full professorship | 10  |
| Number of periods abroad longer than 6 months  | 2   |
| Number of invited lectures   | 227 |

### Numbers of output according to the Standard Evaluation Protocol:

|   |      |
|---|------|
| Refereed articles   | 98   |
| Non-refereed articles   | 55   |
| Books   | 13   |
| Book chapters   | 20   |
| PhD theses (primary supervisor)   | 17   |
| Conference papers   | 82   |
| Professional publications   | 36   |
| Publications aimed at the general public  | 13   |
| <b>Other research output</b>  |      |
| Editorships   | 5    |
| Inaugural lectures  | 1    |
| Websites (mcg.uva.nl; musiccognition.nl) and blog on music cognition (www.musiccognition.nl/blog) | 3    |
| Media appearances   | >300 |

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