

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 (<i>Basis Kwalificatie Onderwijs</i>), 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**

¹ 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), anthropologists (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)²

2019-present	Co-founder of the Musicality Genomics Consortium (MusicGens); 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)²

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

² 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-students³

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

- 2025⁴ J. Li, Unravelling our capacity for music [work title], PhD Candidate.
- 2025⁴ M. Vélez Vásquez, Playability [work title] (*promotor* with dr. W. Zuidema and J. A. Burgoyne, UvA), PhD Candidate.
- 2024⁴ X. Huang, Music cognition within a certain culture: hook(s) in Chinese pop music and what makes Chinese music memorable? Chinese, PhD Candidate.
- 2024⁴ 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 fellows³

(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**.

³ <https://www.mcg.uva.nl/people/>

⁴ 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>.

Editorships²

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 boards²

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,⁵ 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).

⁵ <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: 8210.⁶]

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.

⁶ <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	€ ⁷	2,000,000
2011	COgnition Guided Interoperability beTween Collections of musical Heritage (COGITCH)	NWO CATCH programme	€ ⁸	655,853
2011	Tales & Tunes: Modeling oral transmission	KNAW CH programme	€ ¹⁴	827,000
2010	Neural plasticity in conscious perception	UvA research priority area	€ ⁸	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	€ ⁷	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>.

⁷ Total budget; my own research received approximately 25% of this amount.

⁸ Total budget; my own research received approximately 50% of this amount.

Appendix: Research Output using Standard Evaluation Protocol (SEP)⁹

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).
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.

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
4. Greenfield, M.D., **Honing, H.**, Kotz, S..A. & Ravignani, A. (2021) Introduction. In: Synchrony and rhythm interaction: From the brain to behavioural ecology. *Philosophical Transactions of the Royal Society B: Biological Sciences*. doi: 10.1098/rstb.2020.0324.
5. **Honing, H.** (2021). Lured into listening: Engaging games as an alternative to reward-based crowdsourcing in music research. *Zeitschrift für Psychologie*. doi: 10.1027/2151-2604/a000474
6. **Honing, H.** (2021). Unraveling the origins of musicality: Beyond music as an epiphenomenon of language. *Behavioral and Brain Sciences*. doi: 10.1017/S0140525X20001211.
7. Lenc, T., Merchant, H., Keller, P.E., **Honing, H.**, Varlet, M., & Nozaradan, S. (2021). Mapping between sound, brain and behavior: multi-level nature of rhythm processing in humans and non-human primates. *Philosophical Transactions of the Royal Society B: Biological Sciences*. doi: 10.1098/rstb.2020.0325.
8. **Honing, H.** (2021). Unraveling the origins of musicality: Beyond music as an epiphenomenon of language. *Behavioral and Brain Sciences*. doi: 10.1017/S0140525X20001211.
9. Jacoby, N., Margulis, E., Clayton, M., Hannon, E., **Honing, H.**, Iversen, J., Klein, T. R., Mehr, S. A., Pearson, L., Peretz, I., Perlman, M., Polak, R., Ravignani, A., Savage, P.E., Steingo, G., Stevens, C., Trainor, L., Trehub, S., &

⁹ See the UvA Pure system for all output: <https://www.uva.nl/profiel/h/o/h.j.honing/h.j.honing.html#Publicaties>

- Veal, M. (2020). Cross-Cultural Work in Music Cognition: Challenges, Insights and Recommendations. *Music Perception*, 37(3), 183-193. doi: 10.1525/MP.2020.37.3.185.
10. Sadakata, M., Weidema, J.L., & **Honing, H.** (2020). Parallel pitch processing in speech and melody: A study of the interference of musical melody on lexical pitch perception in speakers of Mandarin. *PLOS ONE*. doi: 10.1371/journal.pone.0229109
 11. Bouwer, F.L., **Honing, H.**, Slagter, H. A. (2020) Beat-based and memory-based temporal expectations in rhythm: similar perceptual effects, different underlying mechanisms. *Journal of Cognitive Neuroscience*, 32(7), 1221-1241. doi: 10.1162/jocn_a_01529
 12. **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.
 13. **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). doi:10.1111/nyas.13638.
 14. Jaschke, A.C, **Honing, H.**, & Scherder E.J.A. (2018). Longitudinal analysis of music education on executive functions in primary school children. *Frontiers in Neuroscience*. doi:10.3389/fnins.2018.00103.
 15. Jaschke, A.C, **Honing, H.**, & Scherder E.J.A. (2018). Experience of a musically enriched environment and cognitive functions in primary school children. *PLOS ONE*. doi:10.1371/journal.pone.0207265
 16. Roncaglia-Denissen, M.P., Bouwer, F.L., & **Honing, H.** (2018). Decision making strategy and the simultaneous processing of syntactic dependencies in language and music. *Frontiers in Psychology: Cognitive Science*, 9. doi:1.
 17. Bouwer, F.L., Burgoyne, J.A., Odijk, D., **Honing, H.**, & Grah, J. (2018). What makes a rhythm complex? The influence of musical training and accent type on beat perception. *PLoS ONE* 13(1): e0190322. doi:10.1371/journal.pone.0190322.
 18. Ravnani, A., **Honing, H.**, & Kotz, S.A. (2017). The evolution of rhythm cognition: Timing in music and speech. *Frontiers in Human Neuroscience*, 11:303. doi:10.3389/fnhum.2017.00303.
 19. Van der Weij, B., Pearce, M., & **Honing, H.** (2017). A probabilistic model of meter perception: simulating enculturation. *Frontiers in Psychology, section Cognition*. doi:10.3389/fpsyg.2017.00824.
 20. Janssen, B., Burgoyne, J.A., & **Honing, H.** (2017). Predicting variation of folk songs: a corpus analysis study on the memorability of melodies. *Frontiers in Psychology, section Cognition*. doi:10.3389/fpsyg.2017.00621.
 21. Bouwer, F.L., Werner, C.M., Knetemann, M., & **Honing, H.** (2016). Disentangling beat perception from sequential learning and examining the influence of attention and musical abilities on ERP responses to rhythm. *Neuropsychologia*, 85, 80-90. doi:10.1016/j.neuropsychologia.2016.02.018
 22. ten Cate, C., Spierings, M., Hubert, J. & **Honing, H.** (2016). Can birds perceive rhythmic patterns? A review and experiments on a songbird and a parrot species. *Frontiers in Psychology: Auditory Cognitive Neuroscience*. doi:10.3389/fpsyg.2016.00730
 23. Weidema, J. L., Roncaglia-Denissen, M.P., & **Honing, H.** (2016). Top-down modulation on the perception and categorization of identical pitch contours in speech and music. *Frontiers in Psychology: Auditory Cognitive Neuroscience* doi:10.3389/fpsyg.2016.00817
 24. Mathias, B., Lidji, P., **Honing, H.**, Palmer, C., & Peretz, I. (2016). Electrical brain responses to beat irregularities in two cases of beat deafness. *Frontiers in Neuroscience*, 10:40. doi:10.3389/fnins.2016.00040.
 25. Aa, J. van der, **Honing, H.**, ten Cate, C. (2015). The perception of regularity in an isochronous stimulus in zebra finches (*Taeniopygia guttata*) and humans. *Behavioural Processes* doi:10.1016/j.beproc.2015.02.018
 26. Bouwer, F. L., & **Honing, H.** (2015). Temporal attending and prediction influence the perception of metrical rhythm: evidence from reaction times and ERPs. *Frontiers in Psychology*, 6, 0194.
 27. Háden, G.P., **Honing, H.**, Török, M. & Winkler, I. (2015). Detecting the temporal structure of sound sequences in newborn infants. *International Journal of Psychophysiology* doi:10.1016/j.ijpsycho.2015.02.024
 28. **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). doi:10.1098/rstb.2014.0088
 29. 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). doi:10.1098/rstb.2014.0092
 30. Olthof, M., Janssen, B., & **Honing, H.** (2015). The role of absolute pitch memory in the oral transmission of folksongs. *Empirical Musicology Review*, 10 (3), 161-174.

31. **Honing, H.,** & Merchant, H. (2014). Differences in auditory timing between human and non-human primates. *Behavioral and Brain Sciences*, 37(6), 557-558.
32. Bouwer, F. L., Van Zuijlen, T. L., & **Honing, H.** (2014). Beat processing is pre-attentive for metrically simple rhythms with clear accents: An ERP study. *PLoS ONE*, 9(5): e97467.
33. **Honing, H.,** & Zuidema, W. (2014). Decomposing dendrophilia. Comment on "Toward a Computational Framework for Cognitive Biology: Unifying approaches from cognitive neuroscience and comparative cognition" by W. Tecumseh Fitch. *Physics of Life Reviews*, 11, 375-376. doi:10.1016/j.plrev.2014.06.020.
34. 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. doi:10.3389/fnins.2013.00274
35. **Honing, H.** (2013). Sin eso no hay música: La inducción del beat como un rasgo musical fundamental. *Boletín de SACCoM*, 5(3) 15-25. ISSN 1852-4451.
36. Jaschke, A.C., Eggermont, L. H. P., **Honing, H.,** & Scherder, E. J.A. (2013). Music Education and its effect on intellectual abilities in children: a systematic review. *Reviews in the Neurosciences*. doi:10.1515/revneuro-2013-0023
37. **Honing, H.** (2012). If music isn't a luxury, what is it? *Journal of Music, Technology and Education* 5(1), 114-117.
38. **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.
39. **Honing, H.,** Merchant, H., Háden, G.P., Prado, L. & Bartolo, R. (2012). Rhesus monkeys (*Macaca mulatta*) detect rhythmic groups in music, but not the beat. *PLoS ONE*, 7(12): e51369. doi:10.1371/journal.pone.0051369.
40. **Honing, H.,** & Ploeger, A. (2012). Cognition and the Evolution of Music: Pitfalls and Prospects. *Topics in Cognitive Science (TopiCS)*, 4, 513-524.
41. Ladinig, O. & **Honing, H.** (2012). Complexity judgments as a measure of event salience in musical rhythms. Amsterdam: *ILLC Prepublication Series*, PP-2012-01.
42. Ladinig, O., **Honing, H.,** Háden, G., & Winkler, I. (2011). Erratum to Probing attentive and pre-attentive emergent meter in adult listeners with no extensive music training. *Music Perception*, 26(4), 444.
43. **Honing, H.** (2010). Lure(d) into listening: The potential of cognition-based music information retrieval. *Empirical Musicology Review*, 5(4), 121-126.
44. Coath, M., Denham, S.L., Smith, L.M., **Honing, H.,** Hazan, A., & Purwins, H. (2009). Model cortical responses for the detection of perceptual onsets and beat tracking in singing. *Connection Science*. 21, 193-205.
45. **Honing, H.,** & Ladinig, O. (2009). Exposure influences expressive timing judgments in music. *Journal of Experimental Psychology: Human Perception and Performance*, 35(1), 281-288.
46. **Honing, H.,** Ladinig, O., Winkler, I., & Haden, G. (2009). Is beat induction innate or learned? Probing emergent meter perception in adults and newborns using event-related brain potentials (ERP). *Annals of the New York Academy of Sciences*, 1169: *The Neurosciences and Music III: Disorders and Plasticity*, 93-96.
47. Ladinig, O., **Honing, H.,** Háden, G., & Winkler, I. (2009). Probing attentive and pre-attentive emergent meter in adult listeners with no extensive music training. *Music Perception*, 26(4), 377-386.
48. 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.
49. **Honing, H.** (2008). The role of ICT in music research: A bridge too far? *International Journal of Humanities and Arts Computing*, 1 (1), 67-75.
50. **Honing, H.,** & Ladinig, O. (2008). The potential of the Internet for music perception research: A comment on lab-based versus Web-based studies. *Empirical Musicology Review*, 3 (1), 4-7.
51. **Honing, H.,** & Haas, W.B. (2008). Swing once more: Relating timing and tempo in expert jazz drumming. *Music Perception*, 25 (5), 471-477.
52. **Honing, H.,** & Reips, U.-D. (2008). Web-based versus lab-based studies: a response to Kendall (2008). *Empirical Musicology Review*, 3 (2), 73-77.
53. Smith, L.M., & **Honing, H.** (2008). Time-frequency representation of musical rhythm by continuous wavelets. *Journal of Mathematics and Music*, 2(2), 81-97.
54. **Honing, H.** (2007). Is expressive timing relational invariant under tempo transformation? *Psychology of Music*, 35 (2), 276-285.
55. **Honing, H.** (2006). Evidence for tempo-specific timing in music using a web-based experimental setup. *Journal of Experimental Psychology: Human Perception and Performance*, 32 (3), 780-786.
56. **Honing, H.** (2006). Computational modeling of music cognition: a case study on model selection. *Music Perception*. 23 (5), 365-376.

57. **Honing, H.** (2006). On the growing role of observation, formalization and experimental method in musicology. *Empirical Musicology Review*, 1(1), 2-5.
58. Sadakata, M, Desain, P. & **Honing, H.** (2006). The Bayesian way to relate rhythm perception and production. *Music Perception*, 23(3), 269-288.
59. **Honing, H.** (2005). Is there a perception-based alternative to kinematic models of tempo rubato? *Music Perception*, 23 (1). 79-85.
60. Jongsma, M.L.A., Eichele, T., Quien Quiroga, R., Jenks, K.M., Desain, P., **Honing, H.** and van Rijn, C.M. (2005). The effect of expectancy on omission evoked potentials (OEPs) in musicians and non-musicians. *Psychophysiology*. 42 (2), 191-201.
61. **Honing, H.** (2004). The comeback of systematic musicology: new empiricism and the cognitive revolution. *Tijdschrift voor Muziektheorie* [Dutch Journal of Music Theory], 9(3), 241-244.
62. **Honing, H.** (2004). Is timing tempo-specific? An online internet experiment on perceptual invariance of timing in music. *ILLC Prepublication* PP-2004-34.
63. **Honing, H.** (2004). Wiskunde en muziekcognitie. *Nieuw Archief voor Wiskunde*, 5(3), 228-231.
64. Jongsma, M. L. Desain, P. & **Honing, H.** (2004). Rhythmic context influences the auditory evoked potentials of musicians and nonmusicians. *Biological Psychology* 66, 129-152.
65. Desain, P. & **Honing, H.** (2003). The formation of rhythmic categories and metric priming. *Perception*. 32(3), 341-365.¹⁰
66. **Honing, H.** (2003). Some comments on the relation between music and motion. *Music Theory Online*, 9(1).
67. **Honing, H.** (2003). The final ritard: on music, motion, and kinematic models. *Computer Music Journal*, 27(3), 66-72.
68. Jongsma, M. L. A, Desain P., **Honing, H.**, & van Rijn, C. M. (2003). Evoked potentials to test rhythm perception theories. *Annals of the New York Academy of Sciences*. 999: 180-183.
69. **Honing, H.** (2002). Structure and interpretation of rhythm and timing *Tijdschrift voor Muziektheorie*. 7(3), 227-232.
70. Sadakata, M., Desain, P. & **Honing, H.** (2002). The relation between rhythm perception and production: towards a Bayesian model. *Transaction of Technical Committee of Psychological and Physiological Acoustics, Acoustical Society of Japan*, 32 (10), H-2002-92.
71. Timmers, R. & **Honing, H.** (2002). On music performance, theories, measurement and diversity. In M.A. Belardinelli (ed.). *Cognitive Processing (International Quarterly of Cognitive Sciences)*, 1-2, 1-19.
72. Timmers, R., Ashley, R., Desain, P., **Honing, H.**, & Windsor, L. (2002). Timing of ornaments in the theme of Beethoven's Paisiello Variations: Empirical Data and a Model. *Music Perception*, 20(1), 3-33.
73. Cemgil, T., Kappen, B., Desain, P., and **Honing, H.** (2001). On tempo tracking: Tempogram Representation and Kalman filtering. *Journal of New Music Research*. 29 (4), 259-273.
74. Desain, P. and **Honing, H.** (2001). Modeling the Effect of Meter in Rhythmic Categorization: Preliminary Results *Journal of Music Perception and Cognition*, 7 (2), 145-156.
75. **Honing, H.** (2001). From time to time: The representation of timing and tempo. *Computer Music Journal*, 35(3), 50-61.
76. Heijink, H., Desain, P., **Honing, H.**, and Windsor, W. L. (2000). Make Me a Match: An Evaluation of Different Approaches to Score-Performance Matching. *Computer Music Journal* 43-56.
77. Desain, P. and **Honing, H.** (1999). Computational Models of Beat Induction: The Rule-Based Approach. *Journal of New Music Research*, 28(1), 29-42.
78. Desain, P. and **Honing, H.** (1999). Modeling vibrato and portamento in music performance. *Bulletin of the Council for Research in Music Education*.
79. Desain, P., **Honing, H.**, Thienen, H. van, and Windsor, W. L. (1998). Computational Modeling of Music Cognition: Problem or Solution? *Music Perception*, 16(1), 151-166.
80. Desain, P., **Honing, H.** (1997). CLOSe to the edge? Advanced object oriented techniques in the representation of musical knowledge. *Journal of New Music Research*, 2, 1-16.
81. **Honing, H.** (1995). The vibrato problem, comparing two solutions. *Computer Music Journal*, 19(3) 32-49.
82. Desain, P., & **Honing, H.** (1994). Does expressive timing in music performance scale proportionally with tempo? *Psychological Research*, 56, 285-292.
83. Desain, P., & **Honing, H.** (1993). Letter to the editor: the mins of Max. *Computer Music Journal*, 17(2), 3-11.

¹⁰ N.B. The papers co-authored with P. Desain (until 2003) are a result of equal contribution.

84. Desain, P., & **Honing, H.** (1993). Tempo curves considered harmful. In "Time in contemporary musical thought" J. D. Kramer (ed.), *Contemporary Music Review*, 7(2), 123-138.
85. **Honing, H.** (1993). A microworld approach to the formalization of musical knowledge. *Computers and the Humanities*, 27, 41-47.
86. **Honing, H.** (1993). Issues in the representation of time and structure in music. *Contemporary Music Review*, 9, 221-239.
87. **Honing, H.** (1993). Report on the International Workshop on Models and Representations of Musical Signals, Capri, Italy, 1992. *Computer Music Journal*, 17(2), 80-81.
88. Desain, P., **Honing, H.**, Dannenberg, R., Jacobs, D., Lippe, C., Settel, Z., Pope, S., Puckette, M., & Lewis, G. (1993). A Max Forum. *Array*, 13(1), 14-20.
89. Desain, P., & **Honing, H.** (1992). Tempo curves considered harmful (part 3). *Array*, 12(1), 6-9.
90. Desain, P., & **Honing, H.** (1992). Time functions function best as functions of multiple times. *Computer Music Journal*, 16(2), 17-34.
91. Desain, P., & **Honing, H.** (1991). Tempo curves considered harmful (part 1). *Array*, 11(3), 8-9.
92. Desain, P., & **Honing, H.** (1991). Tempo curves considered harmful (part 2). *Array*, 11(4), 8-10.
93. Desain, P., & **Honing, H.** (1991). Towards a calculus for expressive timing in music. *Computers in Music Research*, 3, 43-120.
94. Desain, P., & **Honing, H.** (1989). Quantization of musical time: a connectionist approach. *Computer Music Journal*, 13(3), 56-66.
95. Desain, P., & **Honing, H.** (1989). Report on the first AIM conference. *Perspectives of New Music*, 27(2), 282-289.
96. Desain, P., & **Honing, H.** (1988). LOCO: a composition microworld in Logo. *Computer Music Journal*, 12(3), 30-42.
97. Desain, P., & **Honing, H.** (1987). *LOCO, kompositie mikrowerelden in Logo*. In V. Haars (ed.), *Leren met Logo*. 181-200. Nijmegen: Stichting Leren met Logo.
98. **Honing, H.** (1987). A reaction to the report on the 2nd STEIM symposium. *Computer Music Journal*, 11(1), 14-14.

3. Special Issues

1. Greenfield, M.D., **Honing, H.**, Kotz, S..A. & Ravignani, A. (Eds.) (2021) Synchrony and rhythm interaction: From the brain to behavioural ecology. *Philosophical Transactions of the Royal Society B: Biological Sciences*. doi: 10.1098/rstb/376/1835.
2. Ravignani, A., **Honing, H.**, & Kotz, S.A. (Eds.) (2017). The evolution of rhythm cognition: Timing in music and speech. *Frontiers in Human Neuroscience*, 11:303. doi: 10.3389/fnhum.2017.00303.
3. **Honing, H.**, ten Cate, C., Peretz, I., & Trehub, S. (eds.) (2015). Without it no music: Cognition, biology, and evolution of musicality. *Philosophical Transactions of the Royal Society B: Biological Sciences*, 370 (1664). doi: 10.1098/rstb.2014.0088

4. Books

1. **Honing, H.** (2021) *Music Cognition: The Basics*. London: Routledge. doi: 10.4324/9781003158301-19
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.** (2011/13). *Musical Cognition. A Science of Listening*. Oxford: Routledge. [2 editions, hardcover and paperback]
8. **Honing, H.** (2012) *Op zoek naar wat ons muzikale dieren maakt*. Nieuw Amsterdam Uitgevers.

9. **Honing, H.** (2011). *The illiterate listener. On music cognition, musicality and methodology*. Amsterdam University Press.
10. **Honing, H.** (2010). *De ongeletterde luisteraar. Over muziekcognitie, muzikaliteit en methodologie*. Amsterdam: Koninklijke Nederlandse Academie voor Wetenschappen. (Also published at Amsterdam University Press.)
11. **Honing, H.** (2009/12). *Iedereen is muzikaal. Wat we weten over het luisteren naar muziek*. Nieuw Amsterdam Uitgevers. [2 editions, 6+ prints]
12. Desain, P., & **Honing, H.** (1992). *Music, Mind and Machine. Studies in Computer Music, Music Cognition and Artificial Intelligence*. Amsterdam: Thesis Publishers.
13. **Honing, H.** (1991). *Music and the representation of structure: from issues to microworlds*. Doctoral dissertation, City University, London.

5. Book chapters

1. ten Cate, C., & **Honing, H.** (2022). Precursors of music and language in animals. In D. Sammler (Ed.), *Oxford Handbook of Language and Music*. Oxford University Press. DOI 10.31234/osf.io/4zxtr
2. Van der Weij, B., Pearce, M.T., & **Honing, H.** (in press). Computational modeling of rhythm perception and the role of enculturation. In Shanahan, D., Quinn, I., & Burgoyne, J.A. (eds.), *Oxford Handbook of Music and Corpus Studies*.
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.** (2018). Musicality as an upbeat to music: Introduction and research agenda. In Honing, H. (ed.), *The Origins of Musicality*. Cambridge, Mass.: The MIT Press.
5. Gingras, B., **Honing, H.**, Peretz, I., Trainor, L. J., & Fisher, S. E. (2018). Defining the biological bases of individual differences in musicality. In H. Honing (Ed.), *The Origins of Musicality*. Cambridge, Mass.: The MIT Press.
6. **Honing, H.**, Bouwer, F. L., & Håden, G. F. (2014). Perceiving temporal regularity in music: The role of auditory event-related potentials (ERPs) in probing beat perception. Merchant, H., & de Lafuente, V. (Eds). *Neurobiology of interval timing*. Springer.
7. **Honing, H.** (2013). Structure and interpretation of rhythm in music. In Deutsch, D. (ed.), *Psychology of Music, 3rd edition* (pp. 369-404). London: Academic Press / Elsevier.
8. Thompson-Schill, S., Hagoort, P., **Honing, H.**, Koelsch, S., Lerdahl, F., Steedman, M., Levinson, S.C., Ladd, D.R. & Dominey, P. F. (2013). Multiple Levels of Structure in Language and Music. In M. Arbib (Ed.), *Language, Music, and The Brain: A Mysterious Relationship* (Strüngmann Forum Reports, 10). Cambridge, MA.: The MIT Press.
9. **Honing, H.** (2008). De analfabetische luisteraar. In *Harmonie in Gedrag* (pp. 29-35). Uithoorn: Karakter.
10. Timmers, R. & **Honing, H.** (2002). Issuing an empirical musicology of performance. In Timmers, R., *Freedom and constraints in timing and ornamentation. Investigations of music performance*. (Maastricht: Shaker Publishing, 2002), 19-49.
11. Desain, P., **Honing, H.**, Aarts, R., and Timmers, R. (2000). Rhythmic Aspects of Vibrato. In Desain, P. and Windsor, W. L. *Rhythm Perception and Production* 203-216. Lisse: Swets & Zeitlinger
12. Windsor, W. L., Desain, P., **Honing, H.**, Aarts, R., Heijink, H., and Timmers, R. (2000). On Time: The influence of tempo, structure and style on the timing of grace notes in skilled musical performance. In Desain, P. and Windsor, W. L. *Rhythm Perception and Production* 217-223. Lisse: Swets & Zeitlinger
13. Desain, P., & **Honing, H.** (1998). A reply to S. W. Smoliar's "Modelling Musical Perception: A Critical View". N. Griffith, & P. Todd (eds.), *Musical Networks, Parallel Distributed Perception and Performance*. 111-114. Cambridge, Mass.: The MIT Press ISBN: 0-262-07181-9.
14. Dannenberg, R. B., Desain, P., & **Honing, H.** (1997). Programming language design for music. In G. De Poli, A. Piccilli, S. T. Pope, & C. Roads (eds.), *Musical Signal Processing*. 271-315. Lisse: Swets & Zeitlinger ISBN: 90-265-1483-2.
15. Desain, P., & **Honing, H.** (1995). Computational models of beat induction: the rule-based approach. In G. Widmer (ed.), *Working Notes: Artificial Intelligence and Music*. 1-10. Montreal: IJCAI.
16. Desain, P., & **Honing, H.** (1995). Computatieel modelleren van beat-inductie. In *Van frictie tot wetenschap. Jaarboek 1994- 1995*. 83-95. Amsterdam: Vereniging van Academie-onderzoekers.

17. Desain, P., & **Honing, H.** (1992). The quantization problem: traditional and connectionist approaches. In M. Balaban, K. Ebcioglu, & O. Laske (eds.), *Understanding Music with AI: Perspectives on Music Cognition*. 448-463. Cambridge, Mass.: The MIT Press.
18. Desain, P., & **Honing, H.** (1991). Quantization of musical time: a connectionist approach. In P.M. Todd and D. G. Loy (eds.), *Music and Connectionism*. Cambridge, Mass.: The MIT Press.
19. Desain, P., & **Honing, H.** (1990). LOCO -eine Kompositionssprache. In H. Timmermans, *MIDI, Musik und Computer*. Theorie und Praxis. 265-285. Aachen: Elektor Verlag.
20. Desain, P., & **Honing, H.** (1989). LOCO, compositie microwerelden in Logo. In H. Timmermans, *MIDI, Muziek en computer*. 249-267. Deventer: Kluwer Technische Boeken.

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.
12. T.C. Cemgil, 'Bayesian music transcription.' NICI / KUN (*co-promotor* until 2003).
13. J. Weidema, 'Cognitive mechanisms of relative pitch' [cancelled in 2018]
14. N. Zhi-Yuang, The Flexible Listener: Exploring zebra finch sensitivity to spectral and temporal sound features (*promotor* with prof. dr. Carel ten Cate, LU). [to be defended in 2024]
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

1. Háden, G. P., Bouwer, F. L., Honing, H., & Winkler, I. (2022). *Beat processing in newborn infants cannot be explained by statistical learning based on transition probabilities* [WorkingPaper]. BioRxiv. [DOI 10.1101/2022.12.20.521245](https://doi.org/10.1101/2022.12.20.521245)
2. ten Cate, C., & Honing, H. (2022). Precursors of music and language in animals. In D. Sammler (Ed.), *Oxford Handbook of Language and Music*. Oxford University Press. [DOI 10.31234/osf.io/4zxtr](https://doi.org/10.31234/osf.io/4zxtr)
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>

8. Conference papers

1. Li, J., Baker, D. J., Burgoyne, J. A., & **Honing, H.** (2023). Is Pitch Information Indispensable for Music Recognition? A Pilot Study Based on a Musical Matching Pairs Game. In M. Tsuzaki, M. Sadakata, S. Ikegami, T. Matsui, M. Okano, & H. Shoda (Eds.), *The e-proceedings of the 17th International Conference on Music Perception and Cognition and the 7th Conference of the Asia-Pacific Society for the Cognitive Sciences of Music* (pp. 65-71).
2. Li, J., Baker, D. J., Burgoyne, J. A., & **Honing, H.** (2022). The Possibilities and Impossibilities of the Matching-Pairs Game for Music Cognition Research — An Evaluation of a Case Study. *Proceedings of the Society for Music Perception and Cognition (SMPC)*.
3. Li, J., Baker, D. J., Burgoyne, J. A., & **Honing, H.** (2022). Unravelling Our Capacity for Music: The Potential Role of Memory-Based Games. *SysMus*.
4. Huang, X., Burgoyne, J. A., & **Honing, H.** (2022). The Structure of Musical Preferences Using Chinese Samples. *SysMus*.
5. Huang, X., Burgoyne, J. A., & **Honing, H.** (2022). What We Remember is the Prototypical: Pop Music in China from the 1970s to 2010s. *Proceedings of the Society for Music Perception and Cognition (SMPC)*.
6. Baker, D. J., Li, J., Burgoyne, J. A., & **Honing, H.** (2022). Would You Like to Participate? Prospects and Pitfalls of Designing Engaging and Intrinsically Motivating Experiments. *Proceedings of the Society for Music Perception and Cognition (SMPC)*.
7. Korsmit, I. R., Burgoyne, J. A., & **Honing, H.** (2017). If You Wanna Be My Lover ... A Hook Discovery Game to Uncover Individual Differences in Long-term Musical Memory. In E. Van Dijck (Ed.), *Proceedings of the 25th Anniversary Conference of the European Society for the Cognitive Sciences of Music* (pp. 106–111). Ghent: University of Ghent.
8. Mooren, N., Burgoyne, J. A., & **Honing, H.** (2017). Investigating grouping behaviour of dancers in a silent disco using overhead video capture. In E. Van Dijck (Ed.), *Proceedings of the 25th Anniversary Conference of the European Society for the Cognitive Sciences of Music* (pp. 142–149). Ghent: University of Ghent.
9. Burgoyne, J. A., Hofman, A. D., van der Maas, H. L. J. & **Honing, H.** (2015). Adaptive music recognition games for dementia therapy. In *Proceedings of the European Society for the Cognitive Sciences of Music*. Manchester, England.
10. Vaquero Patricio, C. & **Honing, H.** (2014). Generating expressive timing by combining rhythmic categories and Lindenmayer systems. In M Majid al-Rifaie, J Gow & S McGregor (Eds.), *Proceedings of the 50th Anniversary Convention of the AISB* (pp. 1-7). London: AISB.
11. Bouwer, F. L., & **Honing, H.** (2013) How much beat do you need? An EEG study on the effects of attention on beat perception using only temporal accents. *Front. Hum. Neurosci. Conference Abstract: 14th Rhythm Production and Perception Workshop Birmingham 11th - 13th September 2013*. doi:10.3389/conf.fnhum.2013.212.00030
12. Burgoyne, J. A., Balen, J. van, Bountouridis, D., & **Honing, H.** (2013). Hooked: A game for discovering what makes music catchy. *Proceedings of the International Society for Music Information Retrieval (ISMIR)*.
13. van der Aa, J., **Honing, H.**, & ten Cate, C. (2013). Interval based rhythm perception in the zebra finch (*Taeniopygia guttata*). *Front. Hum. Neurosci. Conference Abstract: 14th Rhythm Production and Perception Workshop Birmingham 11th - 13th September 2013*. doi:10.3389/conf.fnhum.2013.212.00004
14. Bouwer, F., & **Honing, H.** (2012). Rhythmic regularity revisited: Is beat induction indeed pre-attentive? *Proceedings of the International Conference on Music Perception and Cognition* (pp. 122-127). Thessaloniki: Greece.
15. Háden, G. P., **Honing, H.**, & Winkler, I. (2012). Newborn infants are sensitive to sound timing. *Proceedings of the International Conference on Music Perception and Cognition* (pp. 378-379). Thessaloniki: Greece.
16. **Honing, H.**, Merchant, H., Háden, G. P., Prado, L. & Bartolo, R. (2012). Probing beat induction in rhesus monkeys: Is beat induction species-specific? *Proceedings of the International Conference on Music Perception and Cognition* (pp. 454-455). Thessaloniki: Greece.
17. **Honing, H.**, & Bouwer, F. (2011). Is hierarchy in rhythm perception consciously learned? *Rhythm Perception and Production Workshop (RPPW)*. Leipzig: Max Planck Institute for Human Cognitive and Brain Sciences.
18. **Honing, H.**, & Romeijn, J. W. (2011). Surprise! Assessing the value of risky predictions. *Proceedings of the thirteenth International Conference on Informatics and Semiotics in Organisations - Problems and Possibilities of Computational Humanities* (Fryske Academy, series FA 1053), (p. 185). Leeuwarden: Fryske Academy.
19. **Honing, H.** (2011). The role of surprise in theory testing. In: *All models are wrong. Conference on model uncertainty & selection in complex models*. Groningen: Rijksuniversiteit Groningen.

20. **Honing, H.** (2010). Beat-induction as a fundamental musical skill. *Proceedings of the International Conference on Music Perception and Cognition*. Seattle: University of Washington.
21. **Honing, H.**, Ladinig, O., Winkler, I., & Haden, G. (2009). Do newborn infants sense the beat? *Proceedings of the European Society for the Cognitive Sciences of Music*, 200-201.
22. Rohrmeier, M., Rebuchat, P., **Honing, H.**, Loui, P., Wiggins, G., Pearce, M. T., & Müllensiefen (2009) . Music Cognition: Learning and Processing *Proceedings of the CogSci 2009 conference* (pp. 41-42), Amsterdam: Free University.
23. **Honing, H.** (2008). Musical competence and the role of exposure. *Proceedings of the Music and Language II Conference*, Boston: Tufts University. [abstract]
24. **Honing, H.**, Ladinig, O., Winkler, I., & Haden, G. (2008). Probing emergent meter perception in adults and newborns using event-related brain potentials: a pilot study. *Proceedings of the Neurosciences & Music III Conference*. Montreal: McGill University.
25. Coath, M., Denham, S.L., Smith, L.M., **Honing, H.**, Hazan, A., & Purwins, H. (2007). An auditory model for the detection of perceptual onsets and beat tracking in singing. *Workshop at Neural Information Processing Systems (NIPS) conference*.
26. Haas, W.B. de, & **Honing, H.** (2007). Groove, swing and the role of tempo: A model and some preliminary empirical evidence. *Proceedings of the Society for Music Perception and Cognition (SMPC)*, 105, Montreal: Concordia University.
27. Ladinig, O., & **Honing, H.** (2008). An empirically validated model of complexity: Longuet-Higgins and Lee reconsidered. *Proceedings of the International Conference on Music Perception and Cognition*. Sapporo, Japan: Hokkaido University. [abstract]
28. Smith, L.M., & **Honing, H.** (2008). A multiresolution model of rhythmic expectancy. *Proceedings of the International Conference on Music Perception and Cognition* (pp. 360-365), Sapporo, Japan: Hokkaido University.
29. **Honing, H.** (2007). Preferring the best fitting, least flexible, and most surprising prediction: Towards a Bayesian approach to model selection in music cognition. *Proceedings of the Society for Music Perception and Cognition (SMPC)*, 37, Montreal: Concordia University.
30. **Honing, H.** (2007) The role of exposure and expertise on making timing judgments in music. *Proceedings of the 11th Rhythm Perception and Production Workshop (RPPW)*, Dublin, Ireland. [abstract only]
31. Ladinig, O., & **Honing, H.** (2007). Complexity judgments as a measure for metric salience: Is there indeed a difference between musicians and non-musicians? *Proceedings of the Society for Music Perception and Cognition (SMPC)*, 27, Montreal: Concordia University.
32. Ladinig, O., & **Honing, H.** (2007) Complexity as a measure for rhythmic expectation. *Proceedings of the 11th Rhythm Perception and Production Workshop (RPPW)*, Dublin, Ireland. [abstract only]
33. Smith, L.M., & **Honing, H.** (2007) The continuous wavelet transform as a multiresolution representation of musical rhythm. *Proceedings of the 11th Rhythm Perception and Production Workshop (RPPW)*, Dublin, Ireland. [abstract only]
34. Smith, L.M., & **Honing, H.** (2007). Evaluation of multiresolution representations of musical rhythm. *Proceedings of the International Conference on Music Communication Science*, ?, Sydney: MARCS.
35. Ashley, R., Hannon, E., **Honing, H.**, Large, E., Palmer, C., & Hutchins, S. (2006). Music and Cognition: What cognitive science can learn from music cognition. *Proceedings of the XXVIII Annual Conference of the Cognitive Science Society (CogSci2006)*, 2655. New Jersey: Lawrence Erlbaum Associates.
36. **Honing, H.** (2006). The role of surprise in theory testing: Some preliminary observations. *Proceedings of the International Conference on Music Perception and Cognition* (pp. 38-42). Bologna: Italy.
37. **Honing, H.**, & Ladinig, O. (2006). The effect of exposure and expertise on timing judgments: Preliminary results. *Proceedings of the International Conference on Music Perception and Cognition* (pp. 80-85). Bologna: Italy.
38. **Honing, H.** (2005). Timing is tempo-specific. *Proceedings of the International Computer Music Conference*, 359-362, Barcelona: UPF.
39. Smith, L.M., & **Honing, H.** (2006). Evaluating and extending computational models of rhythmic syncopation in music. *Proceedings of the International Computer Music Conference* (pp. 688-691). San Francisco: ICMA.
40. **Honing, H.** (2005). Music Cognition: Theory Testing and Model Selection. *Proceedings of the XXVII Annual Conference of the Cognitive Science Society (CogSci2005)*, 38, Stresa: University of Turin.
41. **Honing, H.** (2004). When a good fit is not good enough: a case study on the final ritard. *Proceedings of the International Conference on Music Perception and Cognition (ICMPC)*. Evanston: NU.

42. Sadakata, M., Desain, P., & **Honing, H.** (2004). An Analysis of Rhythmic Ratios in Scores of Various Kinds of Music. *Proceedings of the International Conference on Music Perception and Cognition (ICMPC)*. Evanston: NU.
43. Sadakata, M., Desain, P., **Honing, H.**, Patel, A. D., & Iversen, J. R. (2004). A cross-cultural study of the rhythm in English and Japanese popular music. *Proceedings of the International Symposium on Musical Acoustics (ISMA)*, 41-44. Nara, Japan.
44. Desain, P. & **Honing, H.** (2003). Single trial ERP allows Detection of Perceived and Imagined Rhythm. *Proceedings of the RENCON workshop, International Joint Conference on Artificial Intelligence (IJCAI)*. 1-4.
45. Desain, P., **Honing, H.** & Timmers, R. (2003). Music Performance Panel: NICI / MMM Position Statement. K. Jensen (ed.), *Proceedings of the MOSART Midterm Meeting*, DIKU Report 03/12, ISSN: 0107-8283. Copenhagen, Denmark. 318-322.
46. Sadakata, M., Desain, P., **Honing, H.**, Patel, A. D., & Iversen, J. R. (2003). An analysis of rhythm in Japanese and English popular music. *Proceedings of the Annual meeting of the Japanese Society for Music Perception and Cognition*, 2003, 49-52.
47. Zaanen, M. van, Bod, R., & **Honing, H.** (2003). A memory-based approach to meter induction. *Proceedings of the European Society for the Cognitive Sciences of Music (ESCOM)*. 250-253.
48. Desain, P., & **Honing, H.** (2002). Rhythmic stability as explanation of category size. *Proceedings of the International Conference on Music Perception and Cognition*. Sydney: UNSW. (CD-ROM).
49. Jenks, K.M., Jongsma, M.L.A., Desain, P., **Honing, H.** and Van Rijn, C.M. (2002). Omission Evoked Potentials (OEPs) in rhythmically trained and non-trained subjects. *Cognitive Neuroscience Society Ninth Annual Meeting* B90, pg 63.
50. Jongsma, M.L.A., Desain, P., **Honing, H.**, Van Rijn, C.M., Jenks, K.M., and Coenen, A.M.L. (2002). AEP P300 modulation by two different temporal contexts in both rhythmically trained and non-trained subjects. *Cognitive Neuroscience Society Ninth Annual Meeting*, A94, pg 37.
51. Timmers, R., Desain, P., **Honing, H.**, & Trilsbeek, P. (2002). Introducing a model of grace note timing. In *Proceedings of the Workshop on Music, Motor Behavior and the Mind*. Ascona, 32.
52. Rossignol, S., Desain, P., and **Honing, H.** (2001). Refined knowledge-based pitch tracking: Comparing Three Frequency Extraction Methods. *Proceedings of the International Computer Music Conference*, 399-402. San Francisco: ICMA
53. Rossignol, S., Desain, P., and **Honing, H.** (2001). State-of-the-art in fundamental frequency tracking. *Proceedings of Workshop on Current Research Directions in Computer Music*, 244-254. Barcelona: UPF.
54. Trilsbeek, P., Desain, P., and **Honing, H.** (2001). Spectral Analysis of Timing Profiles of Piano Performances. *Proceedings of the International Computer Music Conference*, 286-289. San Francisco: ICMA.
55. Cemgil, T., Kappen, B., Desain, P., and **Honing, H.** (2000). On tempo tracking: Tempogram Representation and Kalman filtering. In *Proceedings of the International Computer Music Conference*, 352-355. San Francisco: ICMA.¹¹
56. Desain, P., Jansen, C., and **Honing, H.** (2000). How identification of rhythmic categories depends on tempo and meter. In *Proceedings of the Sixth International Conference on Music Perception and Cognition* Keele, UK: Keele University, Department of Psychology.
57. Timmers, R., Desain, P., and **Honing, H.** (2000). Timing of grace notes in piano performances of a Beethoven Theme In *Proceedings of the eighth International Workshop on Rhythm Perception and Production*.
58. Desain, P., **Honing, H.**, Aarts, R., and Timmers, R. (1998). Rhythmic Aspects of Vibrato. In *Proceedings of the 1998 Rhythm Perception and Production Workshop*, 34. Nijmegen.
59. Windsor, W. L., Desain, P., **Honing, H.**, Aarts, R., Heijink, H., and Timmers, R. (1998). Graceful Timing: Ornaments, Tempo and Musical Structure. In *Proceedings of the 7th Rhythm Perception and Production Workshop*, 35.
60. Desain, P. and **Honing, H.** (1997). Computational modeling of Rhythm perception. In *Proceedings of the Workshop on Language and Music Perception* France: Marseille.
61. Desain, P. and **Honing, H.** (1997). How to evaluate generative models of expression in music performance. In *Issues in AI and Music Evaluation and Assessment. International Joint Conference on Artificial Intelligence*, 5-7. Nagoya: Japan.
62. Desain, P. and **Honing, H.** (1997). Structural Expression Component Theory (SECT), and a method for decomposing expression in music performance. In *Proceedings of the Society for Music Perception and Cognition Conference*, 38. Cambridge: MIT.

¹¹ Received JNMR/ICMPC distinguished paper award.

63. Desain, P., **Honing, H.**, and Heijink, H. (1997). Robust Score-Performance Matching: Taking Advantage of Structural Information. In *Proceedings of the 1997 International Computer Music Conference*, 337-340. San Francisco: ICMA.
64. Desain, P., & **Honing, H.** (1996). Modeling Continuous Aspects of Music Performance: Vibrato and Portamento. In B. Pennycook, & E. Costa-Giomi (eds.), *Proceedings of the International Music Perception and Cognition Conference*. CD-ROM. Montreal.
65. Desain, P., & **Honing, H.** (1996). Physical motion as a metaphor for timing in music: the final ritard. In *Proceedings of the 1996 International Computer Music Conference*. 458-460. San Francisco: ICMA.
66. Desain, P., & **Honing, H.** (1996). Mentalist and physicalist models of expressive timing. In *Abstracts of the 1996 Rhythm Perception and Production Workshop*. Munchen: Max-Planck-Institute.
67. Desain, P., & **Honing, H.** (1995). Towards algorithmic descriptions for continuous modulations of musical parameters. In *Proceedings of the 1995 International Computer Music Conference*. 393-395. San Francisco: ICMA.
68. Desain, P., **Honing, H.**, & Kappert, P. (1995). Espresso: het retoucheren (en analyseren) van pianouitvoeringen. In *Abstracts Congres Nederlandse Vereniging voor Psychonomie*. 20-21. Egmond aan Zee: Vereniging voor Psychonomie.
69. Desain, P., & **Honing, H.** (1994). Advanced issues in beat induction modeling: syncopation, tempo and timing. In *Proceedings of the 1994 International Computer Music Conference*. 92-94. San Francisco: International Computer Music Association.
70. Desain, P., & **Honing, H.** (1994). Can music cognition benefit from computer music research? From foot-tapper systems to beat induction models. In *Proceedings of the ICMPC 1994*. 397-398. Liège: ESCOM.
71. Desain, P., & **Honing, H.** (1994). Foot-Tapping: a brief introduction to beat induction. In *Proceedings of the 1994 International Computer Music Conference*. 78-79. San Francisco: International Computer Music Association.
72. Desain, P., & **Honing, H.** (1994). Rule-based models of initial beat induction and an analysis of their behavior. In *Proceedings of the 1994 International Computer Music Conference*. 80-82. San Francisco: International Computer Music Association.
73. Desain, P., & **Honing, H.** (1993). CLOSe to the edge? Multiple and mixin inheritance, multi methods, and method combination as techniques in the representation of musical knowledge. In *Proceedings of the IAKTA Workshop on Knowledge Technology in the Arts*. 99-106. Osaka: IAKTA/LIST.
74. Desain, P., & **Honing, H.** (1993). On continuous musical control of discrete musical objects. In *Proceedings of the 1993 International Computer Music Conference*. 218-221. San Francisco: International Computer Music Association.
75. Desain, P., & **Honing, H.** (1992). Generalising generalised time functions. In *Proceedings of the International workshop on models and representations of musical signals*. Napels: Università di Napoli Federico II.
76. Desain, P., & **Honing, H.** (1992). Musical machines: can there be? are we? Some observations on- and a possible approach to- the computational modelling of music cognition. In C. Auxiette, C. Drake, & C. Gérard (eds.), *Proceedings of the Fourth International Workshop on Rhythm Perception and Production*. 129-140. Bourges.
77. **Honing, H.** (1992). Espresso, a strong and small editor for expression. In *Proceedings of the 1992 International Computer Music Conference*. 215-218. San Francisco: International Computer Music Association.
78. Desain, P., & **Honing, H.** (1991). Generalized time functions. In *Proceedings of the 1991 International Computer Music Conference*. San Francisco: Computer Music Association.
79. Desain, P., & **Honing, H.** (1991). Tempo curves considered harmful. A critical review of the representation of timing in computer music. In *Proceedings of the 1991 International Computer Music Conference*. San Francisco: Computer Music Association.
80. **Honing, H.** (1990). POCO: an environment for analysing, modifying, and generating expression in music. In *Proceedings of the 1990 International Computer Music Conference*. 364-368. San Francisco: Computer Music Association.
81. Desain, P., **Honing, H.**, & Rijk, K. d. (1989). A connectionist quantizer. In *Proceedings of the 1989 International Computer Music Conference*. 80-85. San Francisco: Computer Music Association.
82. Desain, P., & **Honing, H.** (1986). LOCO, composition microworlds in Logo. In P. Berg (ed.), *Proceedings of the 1986 International Computer Music Conference*. 109-118. San Francisco: Computer Music Association.

9. Professional publications

1. **Honing, H.** (2023). It turns out we were born to groove. *The MIT Reader*, Cambridge, Mass: The MIT Press.
2. **Honing, H.** (2020). Are humans the only musical species? *The MIT Reader*, Cambridge, Mass: The MIT Press.
3. **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.
4. **Honing, H.** (2016). Muzikaliteit gaat aan muziek én taal vooraf. *Blind!*, 43.
5. **Honing, H.** (2016). Voor de muziek uit. Waarom muzikaliteit aan muziek én taal voorafgaat. *Onze Taal*, 2/3, 8.
6. **Honing, H.** (2012). Een vertelling. In: S. van der Maas, C. Hulshof, & P. Oldenhavé (Eds.), *Liber Plurum Vocum voor Rokus de Groot* (pp. 150-154). Amsterdam: Universiteit van Amsterdam (ISBN 978-90-818488-0-0)
7. Willekens, F. et al. (2010). *Computational Humanities. Report of the Computational Humanities Programme Committee of the KNAW*. Amsterdam: Royal Netherlands Academy of Arts and Sciences (KNAW).
8. **Honing, H.** (2008). De vergeten luisteraar. *Boekman*, 77, 42-47.
9. **Honing, H.** (2006). How to make a machine listen? *Intensive Science*, 21. Sony Computer Science Laboratory: Paris.
10. **Honing, H.** (2005). Muziek is geen geluid. Over muziek, kunst en wetenschap, *BLIND!*, 4.
11. Desain, P., & **Honing, H.** (2004). Final Report NWO-PIONIER Project "Music, Mind, Machine". *Technical Notes ILLC*, X-2004-02.
12. **Honing, H.** (2004). Computational modeling of music cognition: a case study on model selection. *ILLC Prepublication PP-2004-14*.
13. **Honing, H.** (2004). Een vertelling over muziek, motoriek en metafoor. *Mens en Melodie*, 59(5), 5-9.
14. Desain, P., **Honing, H.**, & Timmers, R. (2001). Music Performance Panel: NICI/ MMM Position Statement
15. **Honing, H.** (1998). Vergelijking Midi-files. Deskundige Rapport. Nijmegen.
16. Desain, P., **Honing, H.** (1997). *Lisp as a second language*. [unpublished book]
17. Desain, P. and **Honing, H.** (1997). Computatieel modelleren van beat-inductie. *Informatie* 48-53. ISSN: 0019-9907.
18. Desain, P. and **Honing, H.** (1997). Music, Mind, Machine: beatinductie computationeel modelleren [Music, Mind, Machine: computational modeling of beat-induction]. *Informatie* 48-53. ISSN: 00199907.
19. Desain, P., & **Honing, H.** (1996). Pas op voor de tempocurve! *Nieuwsbrief Nederlandse Vereniging voor Psychonomie*, (1), 4-7.
20. Desain, P., & **Honing, H.** (1996). Pas op voor de tempocurve! *Nieuwsbrief Nederlandse Vereniging voor Psychonomie*, (2), 11-13.
21. Desain, P., & **Honing, H.** (1996). Pas op voor de tempocurve! *Nieuwsbrief Nederlandse Vereniging voor Psychonomie*, (3), 8-11.
22. Desain, P., & **Honing, H.** (1996). *LOCO-SONNET: a graphical dataflow language for algorithmic composition*. IBM, T.J. Watson Center, NY.
23. Desain, P., & **Honing, H.** (1995). *Music, Mind, Machine. Computational Modeling of Temporal Structure in Musical Knowledge and Music Cognition*. Research proposal (Manuscript).
24. Desain, P., & **Honing, H.** (1994). *CLOSE to the edge? Advanced object oriented techniques in the representation of musical knowledge*. (Research Report CT-94-13). Amsterdam: Institute for Logic, Language and Computation (ILLC).
25. Desain, P. and **Honing, H.** (1994). *Review of ZIPI: Proposal of a New Networking Interface for Electronic Musical Devices* (version 1.0.).
26. Desain, P., & **Honing, H.** (1994). *Shoes news 2* (electronic newsletter). Nijmegen: University of Nijmegen.
27. Desain, P., & **Honing, H.** (1994). *Shoes news 3* (electronic newsletter). Amsterdam: University of Amsterdam.
28. **Honing, H.** (1994). *The vibrato problem. Comparing two ways to describe the interaction between the continuous and discrete components in music representation systems*. (Research Report CT-94-14). Amsterdam: Institute for Logic, Language and Computation (ILLC).
29. Desain, P. and **Honing, H.** (1993). *A computer music composition systems questionnaire*.
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.muziektelt.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 (KVNMM) (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 ¹²]

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)

¹² <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/Vredenburg, 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 Glazenhuys 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 tijdpap." 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)¹³

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.

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

5. <https://www.trouw.nl/wetenschap/baby-s-van-twee-dagen-oud-hebben-al-maatgevoel-b3ado371/>
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
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] Atalas (NPO1). Atlas (NPO 1). https://www.ntr.nl/Atlas/439/detail/Atlas/VPWON_1335384
21. Honing, H. (08-04-2022). De dansende kaketoer Snowball is een geschenk voor de wetenschap [Print] Quest. Interview (Quest). <https://www.quest.nl/mens/psychologie/a39673230/kaketoe-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-beastly-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>
28. Honing, H. (30-03-2021). BBC Earth Podcast [Radio] BBC Earth Podcast. The artists of the animal kingdom. (podcast). <https://play.acast.com/s/63fb67c5-f719-43f7-b264-390cd7edb120/414af9ec-0449-4a39-ade6-2d1f38f66c1b?seek=598>
29. Honing, H. (26-03-2021). Wild idee: Houden we van bas dankzij ons evenwichtsorgaan? [Web] Volkskrant, Wetenschap. Houden we van bas dankzij ons evenwichtsorgaan?. <https://www.volkskrant.nl/wetenschap/houden-we-van-bas-dankzij-ons-evenwichtsorgaan~b71dc15e/>
30. Honing, H. (24-03-2021). Are you listening? [Web] Steim at SoundCloud. Are you listening? (podcast). <https://soundcloud.com/steim/hello-world-are-you-listening-podcast-1>
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>
36. Honing, H. (23-08-2019). Klopt dit wel? Volkskrant. Muziek tijdens operatie verkleint verslavende pijnstillerbehoefte bij patiënten – Klopt dit wel?. <https://www.volkskrant.nl/wetenschap/muziek-tijdens-operatie-verkleint-verslavende-pijnstillerbehoefte-bij-patienten-klopt-dit-wel~b27c749d/>
37. Honing, H. (29-03-2019). Kunnen dieren dansen? [Television] De Buitendienst (NPO Zapp tv). Kunnen dieren dansen? (De Buitendienst; NPO). <http://In Search of What Makes Us Musical>
38. Honing, H. (17-03-2019). Podium Witteman [Television] Podium Witteman. Interview Podium Witteman (NTR). <http://www.mcg.uva.nl/press/press-Pages/page-184.html>
39. Honing, H. (01-01-2019). Interview n.a.v. Aap slaat maat [Print] Kijk magazine. Interview in Kijk. <https://www.kijkmagazine.nl/mens/henkjan-honing/>
40. Honing, H. (01-12-2018). Zoektocht naar muzikaliteit [Print] Parool. Interview in Parool. <https://www.parool.nl/amsterdam/mens-is-niet-de-enige-met-gevoel-voor-melodie~a460g816/>
41. Honing, H. (17-11-2018). Waar komt ons gevoel voor muziek vandaan? [Print] NRC Handelsblad | Wetenschap. Interview in NRC Handelsblad. <https://www.nrc.nl/nieuws/2018/11/16/waar-komt-ons-gevoel-voor-muziek-vandaan>
42. Honing, H. (07-11-2018). Zijn wij de enige muzikale dieren? [Web] NRC Handelsblad | Podcast. Interview in NRC Handelsblad | Podcast. <https://www.nrc.nl/nieuws/2018/11/07/onbehaarde-ape-zijn-wij-de-enige-muzikale-dieren-a2754249?fbclid=IwARogbziztZpJglwF7ZKXg2AgGod1MiwScGx...>
43. Honing, H. (28-09-2018). Interview n.a.v. verschijnen Aap slaat maat [Print] Filosofie Magazine. Interview in Filosofie Magazine. <https://www.filosofie.nl/nl/artikel/50121/henkjan-honing-ook-dieren-zijn-muzikaal.html>
44. Honing, H. (25-08-2018). Interview: 'Muzikaliteit is, net als eten, van levensbelang' [Print] NRC Handelsblad. Interview: 'Muzikaliteit is, net als eten, van levensbelang'. <https://www.nrc.nl/nieuws/2018/08/23/muzikaliteit-is-net-als-eten-van-levensbelang-a1613992>
45. Honing, H. (13-08-2018). Interview n.a.v. verschijnen Aap slaat maat [Radio] AVROTROS Opium. Interview n.a.v. verschijnen Aap slaat maat. <http://www.radio4.nl/opiumop4/uitzendingen/2018-08-16>
46. Honing, H. (11-07-2018). Interview n.a.v. verschijnen Aap slaat maat [Radio] NTR Focus: Lezen in het donker. Interview n.a.v. verschijnen Aap slaat maat. <https://www.nporadio1.nl/radio-focus/onderwerpen/464031->

lezen-in-het-donker-met-muziekwetenschapper-henkjan-honing#

47. Honing, H. (27-05-2018). Interview n.a.v. verschijnen Aap slaat maat [Television] VPRO Boeken. Interview n.a.v. verschijnen Aap slaat maat. <https://youtu.be/TFInz7YjBgs>
48. Honing, H. (18-05-2018). Interview n.a.v. verschijnen Aap slaat maat [Radio] VPRO Nooit meer slapen. Interview n.a.v. verschijnen Aap slaat maat. https://www.vpro.nl/nooitmeerslapen/speel-RBX_VPRO_12069813~met-o-a-musicoloog-henkjan-honing-en-stemkunstenaar-joost-maaskant-nooit-meer-slapen-.html
49. Honing, H. (19-01-2018). Muziek is goed voor het brein, maar geen wondermiddel [Print] NRC Handelsblad. Muziek is goed voor het brein, maar geen wondermiddel. <https://www.nrc.nl/nieuws/2018/01/18/muziek-is-goed-voor-het-brein-maar-geen-wondermiddel-a1588883>
50. Honing, H. (16-01-2018). Muziek verandert het brein [Print] Algemeen Dagblad. Muziek verandert het brein. <http://www.mcg.uva.nl/press/press-Pages/page-175.html>
51. Honing, H. (15-01-2018). Interview bij Tijd voor Max: 'De wonder wereld van muziek' [Television] Omroep Max. Tijd voor Max: "De wonder wereld van muziek". <https://youtu.be/tBo1zZmAww>
52. Honing, H. (12-01-2018). Interview bij Jinek: Muziek is geen luxe [Television] NPO. Jinek: "Muziek is geen luxe". <https://youtu.be/Vr2ghTPoVtw>
53. Honing, H. (17-09-2017). Mike Boddé (in Podium Witteman) de O van Oorwurm: [Television] NTR. Mike Boddé: de O van Oorwurm. http://npn.nl/POMS_NTR_10775585
54. Honing, H. (17-09-2017). Korties Kwesties (in Podium Witteman) [Television] Podium Witteman. Korties Kwesties: Zijn dieren muzikaal?. http://npn.nl/POMS_NTR_10775583
55. Honing, H. (25-08-2017). Duif houdt componisten uit elkaar, geelkui kaketo heeft maatgevoel en spreeuw herkent toonladders [Print] Volkskrant | Wetenschap. Wat muzikale dieren ons kunnen leren. <https://www.volkskrant.nl/wetenschap/duif-houdt-componisten-uit-elkaar-geelkui kaketo heeft-maatgevoel-en-spreeuw-herkent-toonladders~a4512856/>
56. Honing, H. (11-08-2017). Muziektherapie werkt, maar vraag niet waarom [Print] NRC Handelsblad. Muzikaal medicijn. <https://www.nrc.nl/nieuws/2017/08/11/muziektherapie-werkt-maar-vraag-niet-waarom-12478632-a1569629>
57. Honing, H. (01-07-2017). Smart Tunes [Print] Holland Herald. Smart Tunes. <https://www.holland-herald.com/emag/july-2017#/52/>
58. Honing, H. (01-07-2017). Wat is muzikaliteit? [Print] Nederlands Tijdschrift voor Natuurkunde. Wat is muzikaliteit?. <http://www.mcg.uva.nl/press/press-Pages/page-166.html>
59. Honing, H. (28-06-2017). Zwarte kaketo's hebben een drumtalent vergelijkbaar met dat van een mens [Print] Volkskrant. Drummende kaketo's. <https://www.volkskrant.nl/wetenschap/zwarte-kaketo's-hebben-een-drumtalent-vergelijkbaar-met-dat-van-een-mens~a4503219/>
60. Honing, H. (27-05-2017). Geboren voor de beat [Print] Trouw. Geboren voor de beat. <https://www.trouw.nl/home/de-mens-is-een-van-de-weinige-dieren-die-een-beat-kan-herkennen~ab5aac8d/>
61. Titus, B. & Honing, H. J. (23-05-2017). A Socio-Cultural Perspective on The Sounding Society [Radio] Red Light Radio. Soundciety. <https://www.mixcloud.com/RedLightRadio/soundciety-red-light-radio-05-23-2017/>
62. Honing, H. (29-04-2017). Magisch gevoel voor muziek [Print] Elsevier. Magisch gevoel voor muziek. <http://www.elsevier.nl/>
63. Honing, H. (05-04-2017). Muziek is te lang als luxe gezien [Web] NewScientist. Muziek is te lang als luxe gezien. <https://newscientist.nl/nieuws/29980/>
64. Honing, H. (06-01-2017). Commentaar Volkskrant Wetenschap [Print]. 'Muziek tijdens operatie leidt tot minder angst en pijn'.
65. Honing, H. (04-08-2016). Commentaar Parool Wetenschap [Print]. 'Slaapliedjes'.
66. Honing, H. (14-07-2016). Commentaar Trouw Wetenschap [Print]. 'Liefde voor harmonische klanken is aangeleerd'.
67. Honing, H. (01-01-2016). Commentaar Psychologie Magazine [Print]. 'Fluisterzen; Het trance-effect van ASMR'.
68. Honing, H. (05-11-2015). Henkjan Honing [Television] http://www.npo.nl/de-nachtzoen/05-11-2015/VPWON_1248835. Henkjan Honing. http://www.npo.nl/de-nachtzoen/05-11-2015/VPWON_1248835
69. Honing, H. (08-10-2015). Hebben dieren ook muzikaal gevoel? [Television] http://www.npo.nl/de-universiteit-van-nederland/08-10-2015/VPWON_1247584. Hebben dieren ook muzikaal gevoel?. http://www.npo.nl/de-universiteit-van-nederland/08-10-2015/VPWON_1247584
70. Honing, H. (23-09-2015). Journalistiek gesprek over muzikaliteit [Print] De Vorstin, Hilversum. NL.

Journalistiek gesprek over muzikaliteit.

71. Honing, H. (19-02-2015). In gesprek met... [Television] http://www.npo.nl/oba-live-ikon-19-02-2015/19-02-2015/WO_NCRV_793774. In gesprek met.... http://www.npo.nl/oba-live-ikon-19-02-2015/19-02-2015/WO_NCRV_793774
72. Honing, H. (29-01-2015). Hebben dieren muzikaal gevoel? [Television] http://www.npo.nl/de-universiteit-van-nederland/29-01-2015/VPWON_1240194. Hebben dieren muzikaal gevoel?. http://www.npo.nl/de-universiteit-van-nederland/29-01-2015/VPWON_1240194
73. Honing, H. (19-11-2014). Over openingsfilm IFDA [Television] Amsterdam, VPRO Tv. Over openingsfilm IFDA. http://js.vpro.nl/embed/player?id=VPWON_1234198
74. Honing, H. (03-11-2014). Kamer debat muziekonderwijs [Radio]. Kamer debat muziekonderwijs. <http://www.bnr.nl/?player=archieff&fragment=20141103115330300>
75. Honing, H. (29-10-2014). Muziekcognitie [Radio] Amsterdam, <http://www.foliaweb.nl/radio/>. Muziekcognitie.
76. Honing, H. (07-10-2014). Muziek en gamen [Radio] <http://www.mcg.uva.nl/press/press-Pages/page-137.html>. Muziek en gamen.
77. Honing, H. (25-09-2014). Talkshow Tijd voor Max [Television] <http://www.mcg.uva.nl/press/press-Pages/page-136.html>, Hilversum. Talkshow Tijd voor Max.
78. Honing, H. (19-09-2014). Nacht van de Klasieke Muziek [Television] Amsterdam, <http://www.mcg.uva.nl/press/press-Pages/page-135.html>. Nacht van de Klasieke Muziek. <http://hartenziel.radio4.nl/nieuwsdetail/9974/hart-ziel-op-televisie>
79. Honing, H. (14-05-2014). Over WK Liedjes en (in)haken [Television]. Over WK Liedjes en (in)haken.
80. Honing, H. (19-04-2014). Wetenschap ondekt de groove [Radio]. Wetenschap ondekt de groove.
81. Honing, H. (19-04-2014). TROS Nieuwsshow [Radio]. TROS Nieuwsshow.
82. Honing, H. (23-01-2014). Nieuwe Feiten [Radio]. Nieuwe Feiten. <http://www.radio1.be/programmas/nieuwe-feiten/maatgevoel-typisch-menselijk>
83. Honing, H. (16-12-2012). Distinguished Lorentz Award [Television]. Distinguished Lorentz Award.
84. Honing, H. (14-12-2011). De man zonder ritme [Television]. De man zonder ritme.
85. Honing, H. (14-12-2011). Muziek en wetenschap [Television] NTR | VPRO, Hilversum. Muziek en wetenschap.
86. Honing, H. (09-12-2011). Muzikaliteit [Television]. Muzikaliteit.
87. Honing, H. (08-12-2011). Over Canto [Television] <http://www.hum.uva.nl/mmm/press/press-Pages/page-o86.html>. Over Canto.
88. Honing, H. (25-11-2011). TEDx Interview met Aldith Hunkar [Web] Amsterdam, <http://youtu.be/WixGaiPz4L4>. TEDx Interview met Aldith Hunkar.
89. Honing, H. (25-11-2011). What makes us musical animals [Web] [uva/int/illc/LaCo](http://uva.int/illc/LaCo). What makes us musical animals.
90. Honing, H. (21-06-2011). Met het oog op morgen [Radio] Hilversum. Met het oog op morgen.
91. Honing, H. (23-04-2011). Over muziek en emotie [Radio] Hilversum. Over muziek en emotie.
92. Honing, H. (27-03-2011). Muziek in het brein [Radio] Hilversum. Muziek in het brein.
93. Honing, H. (10-02-2011). Documentaire over ritmegevoel [Radio] Brussel. Documentaire over ritmegevoel.

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
Other research output	
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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