Research areas of the centre include music cognition, musical structure, development of musical skills (neural correlates; relationships to language, literacy, attention, auditory sensitivity), music performance, musical origins, music and medicine, and musical ritual. Inspired by the motto “We work for tomorrow” and the social roles and responsibilities of universities as highlighted in the university’s mission statement and development plan, our research also involves social and environmental responsibilities (e.g., human rights, climate change, gender).

This year’s highlight combined these two aspects. Focusing on the theme of music and embodiment, the Conference on Interdisciplinary Musicology (CIM19) was held in Wallgebäude (Mehrzwecksaal) from 26 to 28 September, organized by Andrea Schiavio with support from other centre members. This was the centre’s second innovative, low-carbon, accessible, multicultural international conference, in which regular and virtual talks were presented in parallel, and face-to-face and virtual social interaction were systematically mixed. The first conference of this type was ICMPC15/ESCOM10 in 2018, which was spread across four international hubs (ICMPC = International Conference on Music Perception and Cognition; ESCOM = European Society for the Cognitive Sciences of Music). CIM19 had a single main location and several remote participants. Around 50 colleagues took part physically; around 30 virtually. Virtual presentations (using Zoom) were successful and well-received. Virtual presenters had a chance to chat informally with other conference participants by Skype during “virtual socializing” sessions.
CIM19 contributed to both international research in systematic musicology and international developments in climate-friendly conferencing. But the centre also contributed to climate science more directly. **Richard Parncutt** toured Australia in August and September by train and bus, presenting his research on the human cost of climate change to climate research groups in different cities. The content subsequently appeared as a regular research contribution to *Frontiers in Psychology*. Given the enormous contribution that flying makes to personal academic carbon footprints, **Parncutt** plans never to fly again unless in an emergency. Other centre members are also systematically reducing flying. **Bernd Brabec de Mori** co-organized a remote-presentation panel at the AMS (American Musicological Society) conference in Boston and at the AAA (American Anthropological Association) annual meeting in Vancouver, featuring presenters from three continents. Participants in our weekly research seminar (Konversatorium) do not fly (the centre does not finance flying for this purpose). Rather, we offer a combination of local and virtual talks, depending on the affiliation of the speakers. In December, the Graz Musikologie teaching committee (CuKo, chaired by Robert Höldrich) recommended to academic departments at the University of Graz (Uni Graz) and the University of Music and Performing Arts Graz (KUG) to reduce flying and take advantage of electronic options for remote audiovisual presentation, especially for talks in the course *Musikwissenschaft aktuell*. In July and on behalf of all department heads in the Wall centre (education, linguistics, translation, romance studies, Slavic studies), **Parncutt** developed a project entitled “Wall Building Declares a Climate Emergency”. The aim is to calculate the carbon footprint of the building and all working in it (including all travel) and help individuals to reduce that footprint.

The year 2019 saw many promising staff developments. **Annemarie Seither-Preisler** successfully upgraded her research/teaching position from half-time to full-time (starting on 1.4.2020). **Schiavio**’s new FWF stand-alone project “Together in Music. Creative tools for music performance, education, and composition” was approved with a budget of €441K, changing his status to Principal Investigator (Senior Postdoctoral researcher). In October, **Brabec** returned to the centre with a new half-time research/teaching position. The successful two-year contract of our office manager **Sandra Tanzmeister** expired in November, when she was replaced by **Anja Dörfler**. **Noemi Silvestri** and **Hannes Karlbauer**, who had become student assistants in 2018, continued throughout 2019, Silvestri supporting the research and teaching of **Parncutt**, and Karlbauer managing and operating the centre’s hardware/software including virtual presentations at our weekly research seminar and at CIM19. **Lukas Kummer** became student assistant in October, supporting the research and teaching of **Seither-Preisler**; he replaced **Katharina Pollack**, who had played important technical and organisational roles in ICMPC15/ESCOM10. **Magdalena Ramsey** and **Theresa Schallmoser** worked as editorial assistants for our *Journal of Interdisciplinary Music Studies*. **Elli Xypolitaki**, a master’s student from Thessaloniki, Greece, working with **Schiavio** on music and interoceptive awareness worked at the centre until March; she briefly returned to Graz a few months later to help with CIM19. Two doctoral students completed and defended (**Helena Dukić** and **Sabrina Turker**). We received enquiries from several potential doctoral students from different countries (Simón Botero-Rodriguez, Maria Chelkowska-Zacharewicz, Valentina Jerene, Marta Kania, Verna Vazquez-Diaz, Marise van Zyl), some of whom are now considering funding applications.
Another highlight was our 10th birthday celebration on 15 October in Mehrzweksaal, Wallgebäude. The event was opened by Ineke Mennen, Professor of Applied English Linguistics, on behalf of the Faculty of Humanities. Centre members explained our current and recent research in short, accessible presentations, punctuated by short musical performances. Parncutt spoke on the origin of music and religion, Schiavio on music cognition, mind, and embodiment, Seither-Preisler on the neural foundations of musical aptitude and expertise and neuroplastic changes due to musical training in children and adolescents, Brabec on musical agency, altered states, and enchantment, Dukić on musical meaning and narrativity, BA student Ana Jović on music and sport performance, recently graduated external doctoral student Julie Delisle (Montreal, co-supervised, virtual presentation) on perception and performance of flute timbre, ex-centre member Sabrina Sattmann on bodily and emotional reactions to music (chills), Nils Meyer-Kahlen (virtual) on technology for low-carbon conferences, and Turker (virtual) on music and the neuroscience of language acquisition.

Internationally, Parncutt and Schiavio were members (ex-president and vice-president respectively) of the Executive Council of the European Society for the Cognitive Sciences of Music. ESCOM is planning a multi-location conference ESCOM11 in 2021 that will be similar to ICMPC15/ESCOM10 (run by the centre with international colleagues in 2018) and include several hubs both within and outside of Europe. ESCOM also organized a summer school. Brabec retired as president of the Austrian National Committee in the International Council for Traditional Music (ICTM) in June, but remains an active board member of the Austrian Musicological Society (ÖGMW). On his initiative, the next ÖGMW meeting will take place at the centre in November 2020.

Seither-Preisler continued her neurocognitive research in collaboration with the Neurology Department at the University of Heidelberg on the benefits of musical training for auditory perception and brain function in children and adolescents with normal development and learning disorders (ADHD, ADD, dyslexia). Funded by BMBF and DFG, the project will continue until January 2021. Long-term data from over 200 participants have provided novel insights into the development of the human auditory brain and its sensitivity to musical training. For example, we found that playing an instrument regularly can significantly counteract neurological and behavioral symptoms of ADHD and dyslexia. Seither-Preisler’s doctoral student Turker, a DOC team fellow of the Austrian Academy of Sciences, showed that that musical and language aptitude are reflected in the same anatomical structures of auditory cortex. There is considerable public interest in the pedagogical implications of such findings.

Brabec continued his year-long successful cooperation with Matthias Lewy (University for Applied Sciences – Music Lucerne, Switzerland), focusing on knowledge transmission by auditory means and educational aims in museums. After successful audio installations in Geneva and Leipzig, they developed a concept for the Berlin “Humboldt Forum” to be realized in 2020-21. Brabec is continuing his research into the ontological properties of sound and the construction of effective medical arrangements involving sound (in music therapy and informal sound healing practices). For this purpose, he recently submitted an FWF project proposal. His
teaching in music therapy, anthropology, and musicology in Graz, Vienna, and Marburg contributes to the interdisciplinary and international profile of the centre.
**STAFF**

**Director / Professor**
Richard Parncutt

**Associate Professor**
Annemarie Seither-Preisler

**FWF Senior Postdoc Researcher**
Andrea Schiavio

**Senior Researcher**
Bernd Brabec de Mori

**International Research Associate**
Peter Schneider, Universitätssklinikum Heidelberg, Germany

**Doctoral Students**
Helena Dukic
Sabrina Turker

**Student Assistants**
Theresa Schallmoser
Lukas Kummer
Noemi Silvestri
Hannes Karlbauer
Nils Meyer-Kahlen
Magdalena Ramsey

**Office Managers**
Sandra Tanzmeister
Anja Dörfler

**Advisory Board**
Andreas Dorschel, Dept. of Music Aesthetics, KUG
Gerhard Eckel, Dept. Electr. Music and Acoustics, KUG
Andreas Schwerdtfeger, Dept. of Psychology, Uni Graz
RESEARCH PARTNERS AND COLLABORATIONS

Richard Parncutt
- Blanka Bogunović (University of Arts in Belgrade, Serbia)
- Jane Ginsborg (Royal Northern College of Music, Manchester, UK)
- Gary McPherson (Faculty of Music, University of Melbourne, Australia)
- Piotr Podlipniak (Adam Mickiewicz University, Poznań, Poland)
- László Stachó (Department of Music Pedagogy, Liszt Academy, Budapest, Hungary)
- John Sloboda (Guildhall School of Music and Drama, London, UK)
- Renee Timmers (Department of Music, Sheffield University, UK)

Annemarie Seither-Preisler
- Peter Schneider (University Hospital of Heidelberg, Germany)
- Sabrina Turker (Max Planck Institute Leipzig, Germany)
- Susanne Maria Reiterer (University of Vienna, Austria)
- Bettina Serrallach (Kantonsspital Bern, CH)
- Jan Benner (University Hospital of Heidelberg, Germany)
- Simeon Zoellner (University Hospital of Heidelberg, Germany)
- Eckart Altenmüller, Germany)
- Annemarie Peltzer-Karpf (Uni Graz)

Andrea Schiavio
- Dylan van der Schyff (Melbourne Conservatorium of Music, Australia)
- Renee Timmers (University of Sheffield, UK)
- Mathias Benedek (UniGraz, Austria)
- Jan Stupacher (Aarhus University, DK)
- Fred Cummins (University College Dublin, Ireland)
- Nikki Moran (University of Edinburgh, UK)
- Kevin Ryan (University of Memphis, USA)
- Pieter-Jan Maes (Ghent University, Belgium)
- Mats Küssner (Humboldt University Berlin, Germany)
- Silke Kruse-Weber (Kunstuniversität Graz, Austria)
- Michele Biasutti (University of Padova, Italy)
- Vincent Gesbert (University of Lausanne, Switzerland)

Bernd Brabec de Mori
- Matthias Lewy (University of Applied Sciences – Music, Lucerne, Switzerland)
- Elizabeth Rahman (University of Oxford, UK)
- Victor A. Stoichiță (CNRS, University Paris X – Nanterre, France)
- Yvonne Schaffler (Medical University Vienna, Austria)
- Thomas Stegemann (University of Music and Performing Arts Vienna, Austria)
- Monika Glawischnigg-Goschnik (University Hospital Graz, Austria)
- Gerhard Tucek (University of Applied Sciences Krems, Austria)
- Kerstin Klenke (Austrian Academy of Sciences Vienna)
- Christian Utz (KUG)
- Muriel Swijghuisen Reigersberg (Open University, UK)
- Egil Asprem (Stockholm University, Sweden)
- Penelope Gouk (University of Manchester, UK)
- Benjamin D. Koen (Xiamen University, PR China)
- Yuh-Fen Tseng (National Chiayi University, Taiwan)
- Brynjulf Stige (Grieg Academy University of Bergen, Norway)
- Hui Yu (Yunnan University, PR China)

**MEMBERSHIP OF COMMITTEES**

**Richard Parncutt**
- Ex-President of ESCOM

**Andrea Schiavio**
- Vice-President of ESCOM
- Secretary of SIM (Society of Interdisciplinary Musicology)
- Executive Committee Member, International Conference of Dalcroze Society

**Bernd Brabec de Mori**
- Board Member of ÖGMW
- Ex-President of ICTM Austria

**FUNDED RESEARCH PROJECTS AND EVENTS**


**Schiavio, A.** “Conference on Interdisciplinary Musicology (CIM19)”. Funding from Austrian Research Fund (FWF), Uni Graz Forschungsmanagement, Land Steiermark, Österreichischen Forschungsgemeinschaft, September 2019.

Schneider, P., & **Seither-Preisler, A.** “Plasticity of the neuro-auditory network in musically trained adolescents”. Granted to P. Schneider and collaboration partners by German Science Foundation (DFG), February 2016 – January 2020.

Schneider, P., & **Seither-Preisler, A.** “Sound perception between outstanding musical abilities and auditory dysfunction: The neural basis of individual predisposition, maturation, and learning-induced plasticity in a lifespan perspective”. Heisenberg fellowship program granted to P. Schneider and collaboration partners by German Research Foundation (DFG), February 2016 – February 2020.
**Journal articles**


Edited books

Chapters


Other

CONFERENCE PRESENTATIONS

Keynotes
Brabec de Mori, B. (2019, September). Ontologías indígenas como múltiples modos de existencia entre el cuerpo y el medio ambiente. Ejemplos etnomusicológicos de la Amazonía peruana. Simposio internacional de investigación musical en la Amazonía, Lima, Peru.
Schiavio, A. (2019, July). Laying down a path in musicking. 4th International Conference of Dalcroze Studies (ICDS4), Katowice, Poland.

Regular spoken presentations
Brabec de Mori, B. (2019, June). Contemporary Inka – The presence of the remote past in Panoan mythology. XII Sesquiannual Meeting of the Society of the Anthropology of Lowland South America, Vienna, Austria.


Turker, S., Reiterer, S., Schneider, P., Seither-Preisler, A. (2019, April). Cognitive and behavioural profiles of children with reading disorder and AD(H)D. Language, Literacy and Learning, Perth, Australia.
Posters


Conference organization

Brabec de Mori, B. (2019, June). Co-organization and program committee, Daten.Werkstatt Ethnomusikologie (Jahrestagung des österreichischen Nationalkomitees im ICTM), Vienna, Austria.


Panel/session organization


GUEST LECTURES


**Brabec de Mori, B.** (2019, June). *Sound stories – A sonic concept of exhibiting*. Institut für Musikwissenschaft, University of Vienna, Austria.

**Brabec de Mori, B.** (2019, September). *La música, canciones y más de los pueblos indígenas de Ucayali*. Universidad Nacional Mayor de San Marcos, Lima, Peru.

**Parncutt, R.** (2019, March). *Music, love, and the mother-fetus relationship from the fetal perspective*. Department of Ethnomusicology, KUG.


**Parncutt, R.** (2019, August). *The mother schema, the obstetric dilemma, and the origin of language, music, and religion*. School of Music, University of Queensland, Brisbane, Australia.

**Parncutt, R.** (2019, August). *The human cost of climate change: Estimating long-term mortality*. Centre for Tropical Environmental and Sustainability Science, James Cook University Cairns, Australia (with video link to Townsville)


**Parncutt, R.** (2019, October). *Prenatal development and the phylogeny and ontogeny of musical behavior*. Department of Music Therapy, University of Vienna, Austria.
Parncutt, R. (2019, October). *The missing fundamentals of music theory.* Faculty of Music, University of Arts in Belgrade, Serbia.

Parncutt, R. (2019, October). *Systematic, empirical, and interdisciplinary Musicology.* Faculty of Music, University of Arts in Belgrade, Serbia.


**Spoken Presentations at the Centre**


Popescu, T. (2019, March). The cultural transmission of musical features: Replicating evolutionary dynamics in the lab.
Seither-Preisler, A. (2019, October). Wie verändert Musizieren das Gehirn?
Stepputat, K. (2019, October). The importance of 'the beat' for tango dancers: Using motion capture to access culturally embedded and embodied knowledge.
MEDIA COVERAGE

Annemarie Seither-Preisler
2019, June 27. Macht Musik Kinder schlau? Internet-Story des VRM-Verlages (Wiesbadener Tagblatt), online.

TEACHING

Summer 2019

Richard Parncutt (Uni Graz and KUG)
Proseminar “Empirische Musikpsychologie” (2nd year BA)
Lecture Series “Psychoacoustics und Music Cognition” (3rd year BA)
Research presentations, student reports “Musikwissenschaft aktuell” (BA and MA)
Research Seminar “Konversatorium” (3rd year BA, MA)

Annemarie Seither-Preisler (Uni Graz and KUG)
Lecture series (VU) “Einführung in die Musikpsychologie“ (1st year BA)
Tutorial (Übung) “Musikpsychologische Datenanalyse“ (2nd year BA)

Bernd Brabec de Mori
Seminar “Embodiment und Interaffektivität: Ritual und Performance in Amazonien”, Institute of Social and Cultural Anthropology, Philipps University Marburg, Germany

Winter 2019-20

Richard Parncutt (Uni Graz and KUG)
Lecture series “Introduction to Systematic Musicology” (1st year BA)
Seminar “Music Psychology” (3rd year BA)
Seminar “Music Psychology and Acoustics: Music, Language, Communication” (MA)
Research Seminar “Konversatorium” (3rd year BA, MA)
Research presentations, student reports “Musikwissenschaft aktuell” (BA and MA)
Literature study “Lektüre fachspezifischer Literatur 02” (BA)

Andrea Schiavio
Course “Psychology of Music Education” (MA, KUG)

Bernd Brabec de Mori
Seminar “Musik, Embodiment und Interaffektivität”. Institute of Musicology, University of Vienna, Austria.
Seminar “Seminario internacional de etnomusicología amazónica”. Instituto de Antropología, Pontifica Universidad Católica del Perú, Lima, Peru.
SUPERVISION OF THESES AND DISSERTATIONS

Parncutt
Supervision of Helena Dukić, Doctorate in Humanities with successful defense on 4 July,
“Exploring the narrative nature of music: Comparing descriptions of music heard during therapy with clients' statements”

Seither-Preisler
Supervision of Sabrina Turker, Doctorate in Humanities with successful defense on 4 October, “Exploring the neuroanatomical and behavioural correlates of foreign language aptitude.”

Schiavio
Second supervisor of Caroline Curwen, doctoral student, Department of Music, University of Sheffield, UK, “Music-color synesthesia”

Brabec
Second supervisor for Kuo, Ta-Hsin, doctoral student at Institute of Musicology, University of Vienna, “The nostalgia and revival of Bolero music: Seeking the soul of Vietnam”