



GAMUT – The Grieg Academy Music Therapy Research Centre

Annual report 2016



www.gamut.no

Annual report 2016 GAMUT – The Grieg Academy Music Therapy Research Centre, University of Bergen and Uni Research Health

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Statement from GAMUT's steering committee

The steering committee endorses this report as an accurate description of GAMUT's activities in 2016, and expresses satisfaction with the quantity and quality of activities. GAMUT's 10 years anniversary in 2016 served as a possibility to reflect on the positive development of the centre and its capacity to produce work of relevance both to the international research community and to health care services locally and nationally. The steering committee wants to highlight the societal impact of the research of GAMUT, exemplified by the Norwegian Health Directorate's usage of GAMUT's research in their strong recommendation of music therapy in the national guidelines for treatment of persons with psychotic disorders (2013).

The committee values GAMUT's ability to nurture interdisciplinary research within and between the University of Bergen and Uni Research, and between GAMUT and other academic milieus nationally and internationally. GAMUT's emphasis on connecting research, dissemination, education, and service innovation is also highly acknowledged and should be stimulated further. The committee welcomes the possibilities for continued development created by music therapy's new location in the Faculty for Fine Arts, Music and Design, and will encourage the University of Bergen and Uni Research to continue to collaborate in developing conditions for realization of the potential in an internationally oriented twin centre in music therapy.

Bergen, February 20, 2017

Oddrun Samdal

Vice Rector at the University of Bergen and Chair of GAMUT's steering committee

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Introduction

For the first time, we publish GAMUT's annual report in English, hopefully of benefit to our international colleagues and contacts. As Head of GAMUT, I communicate my considerations about the achievements, conditions, and prospects of the centre in this Introduction, while the report itself, in the chapters and appendices that follow, is more descriptive. There is one chapter with general information about the centre, one that outlines GAMUT's organization and conditions, and one that accounts for GAMUT's scholarly activity. The appendices supplement this with various lists of facts about funding, staff, news, and publications.

In this Introduction I first describe some of the achievements and developments within GAMUT in 2016, and I then put this in the context of GAMUT's 10 years anniversary in 2016. Finally I reflect on current challenges and future possibilities. I will focus on the current lack of resources to the integrated master program and argue that rectifying this situation is necessary in order to create realistic conditions for an internationally oriented twin centre for research and to realize the centre's potential fully.

Achievements and developments within GAMUT in 2016

GAMUT – The Grieg Academy Music Therapy Research Centre is a twin centre regulated by an agreement of collaboration between the University of Bergen and the institute Uni Research. Via the knowledge cluster POLYFON, partnerships are also established with a range of health care agencies in the region. I will briefly describe research activities in 2016 in each of these three "arenas."

In the Grieg Academy there is a research culture that allows for strong critical and theoretical research, qualitative research and mixed methods, as well as arts-based research. The latter type of research has been strengthened the past few years, not least due to contributions by Simon Gilbertson and Jill Halstead, and this tendency continued in 2016. One of the more visible projects has been Jill Halstead and colleagues' continued work with "Dementia Reimagined," an arts-based research project developing a film resource for use in the training of professionals who work in dementia care. Literature-based studies include Wolfgang Schmid and colleagues' work on a review of literature on music therapy in palliative care, as well as Claire Ghetti and colleagues' development of a protocol for Cochrane systematic review of music therapy for substance abuse. Randi Rolvsjord, Viggo Krüger, Brynjulf Stige, and Lars Tuastad have continued to publish qualitative studies on various practices and user experiences. Randi Rolvsjord's promotion to full professor in 2016 (retroactive to 2015) contributes to the strength of the research group. At the researcher entry level, we celebrated Anna Helle-Valle's viva voce on her PhD thesis on children's restlessness, and we welcomed one new PhD student in 2016: Guro Parr Klyve, who works with a project on music therapy with children in specialised mental health services.

In the Uni Research Health part of GAMUT's activities, there is a research culture that supports RCTs and metaanalyses particularly well, but projects also include use of mixed methods. In 2016 we celebrated the closure of one large project funded by the Research Council of Norway, as well as the kick off of another. Christian Gold was the PI of the project "TIME-A" (Trial of improvisational music therapy's effectiveness for children with Autism, from 2012-2016), which built on a collaboration of nine countries worldwide (Australia, Austria, Brazil, Israel, Italy, Korea, Norway, UK, and USA). The project has generated a number of publications already, and the publication on the main results is currently being produced. Karin Mössler is the PI of the FRIPRO-project "Shared moments" (The Bodily and Emotional Quality of the Therapeutic Relationship as Outcome Predictor in Music Therapy with Children on the Autism Spectrum), which had its kick off seminar in 2016 and will last until 2019. The overall aim of this project is to investigate the impact of the quality of the therapeutic relationship in the treatment of children with ASD. GAMUT researchers in Uni Research have worked with a number of other studies as well, including an update of the Cochrane review of music therapy for people with schizophrenia and schizophrenia-like disorders (with Monika Geretsegger as the PI) and a meta-analysis of music therapy for preterm infants and their parents (with Łucja Bieleninik as the PI).

POLYFON knowledge cluster for music therapy enables GAMUT to build partnerships with health care agencies in the region, including municipalities and hospitals. Development of better services, communication and dissemination activities, and education courses is central to the cluster, but POLYFON stimulates new research activities as well. First, POLYFON encourages new collaborations between GAMUT researchers and local health care agencies. Randi Rolvsjord's project "Implementation of Music Therapy in Recovery-Oriented Care for Persons Suffering from Psychosis" exemplifies this. The project is funded by the University of Bergen, POLYFON, and Kronstad DPS (a mental health centre/clinic). Second, POLYFON encourages the collaborating health care agencies to develop their own music therapy research activities. The project developed by Viggo Krüger in Aleris within the area of child protection exemplifies this. Third, POLYFON encourages students to take part in research activities, often related to knowledge gaps in specific contexts of practice. Lars Tuastad's collaboration with the master students Alexander Bjotveit and Erlend Daaland Wormdahl on the evaluation of user experiences of the mental health follow-up project "MOT82" exemplifies this.

GAMUT's first 10 years: 2006-2016

GAMUT was founded in 2006, when music therapy was established as a new discipline at the University of Bergen. From the beginning, the centre enabled collaboration between the university and the universityowned research institute Uni (at that time called Unifob, today Uni Research). In 2007 the centre articulated three main objectives that have guided the development of the centre since: 1) To develop a Norwegian research centre of music therapy with a high international profile, 2) To secure adequate development of music therapy as a university discipline, 3) To produce societally relevant knowledge about relationships between music, health, and wellbeing. As the chapters below will reveal, the 10 years anniversary in 2016 was celebrated in three different contexts; in the national music therapy conference in June, in a Uni Research seminar in August, and in a separate GAMUT conference in November. Here I will highlight some of the developments in the 10 year period. Given the fact that music therapy is an emerging professional discipline In Norway, the centre has sought to integrate the development of research with the development of communication/dissemination, service development, and education. Examples of developments since 2006 in these four interrelated areas include:

Research: When GAMUT was established in 2006, the activity was mainly based on one externally funded research project ("Music and Health in Late Modernity", funded by Research Council of Norway (RCN) from 2004 to 2008, with Brynjulf Stige as the PI). 2007 therefore in some ways represented a test for the sustainability of the centre. At the end of that year, Christian Gold received RCN funding for the project "Resource-oriented music therapy for psychiatric patients with low therapy motivation: Randomised controlled trial". This project contributed substantially to the international network that today supports the centre's activities, and the funding of this project also made it possible for GAMUT to recruit its first postdoctoral fellow. Karin Mössler from Austria was recruited. Since this, the externally funded activity of the centre has increased steadily, from NOK 1,5-2 million a year in the beginning to NOK 8-9 million in later years. In the beginning, the university instructed us to place all externally funded projects in the Uni part of the centre. The policy has changed, and today roughly one fourth of the externally funded activity is placed in the University. The overall increase in externally funded activity is a positive and necessary development in order to realize the objectives defined for the centre, but it is important to underline that smaller university funded projects might be highly significant for a centre like GAMUT. Such projects might open up new avenues for theoretical and critical thinking, and they might also connect various research traditions in innovative ways. One of the positive developments in GAMUT the past few years is for instance that activities within arts-based research have been enhanced, and that new connections between arts-based research, qualitative research, and quantitative research are emerging.

Communication and dissemination: Since the beginning in 2006, GAMUT has published two internationally renowned music therapy journals, namely Nordic Journal of Music Therapy (established in 1992), and Voices: A World Forum for Music Therapy (established in 2001). Other forms of communication have increased during the 10 years period. A milestone was the opening of a music/music therapy exhibition in the Science Centre VilVite in 2012 (the exhibition was funded by GC Rieber Fondene). Every year GAMUT has organized seminars and other events, and two informational videos have also been produced (about music therapy and older adults in 2009 and about mental health in 2012). GAMUT's presence in media has increased steadily over the years, and GAMUT is also part of three national networks that contribute to dissemination of knowledge (a network about music therapy and substance use problems established in 2010 and networks about music therapy and substance use problems established in 2010 and networks about music therapy in 2015, communication and dissemination activities have been developed more

systematically, through use of the cluster's website, the publication of a news bulletin, the organization of POLYFON seminars, and so on.

Service development: Music therapy is a professional discipline, and the importance of service development is recognized by the GAMUT researchers, both because it contributes to the impact of research to the benefit of service users and because it contributes to building conditions for future research. The first systematic GAMUT effort for service development was enabled by the network "Music Therapy for Older Adults" (2008-2014), funded by GC Rieber Fondene. In 2013 we started the planning of POLYFON knowledge cluster for music therapy, which was founded January 1, 2015. The cluster focuses on service development in five different areas; young people's health, mental health challenges, substance use problems, older adult health, and palliative care. GAMUT scholars have also been involved in other service development processes. For instance, Randi Rolvsjord took part in the planning of the "energy centre" for young people at the Haukeland University Hospital and Claire Ghetti has been involved in the developments of music therapy in paediatric wards in the same hospital.

Education: To develop education courses is partly beyond the responsibility of GAMUT, but over the years the centre has been involved in the development of research education as well as continuing education courses. Possibilities for doctoral education in music therapy at the University of Bergen were formalized in 2010, when Grieg Research School in Interdisciplinary Music Studies was established. GAMUT played a central role in the process, and since the beginning the leader of the research school has been a GAMUT scholar (first Brynjulf Stige, now Jill Halstead). Since 2013, when the Health Directorate included a recommendation of music therapy in the national guidelines for treatment of persons with psychotic disorders, the relevance of continuing professional development (CPD) activities have increased. Since 2014 GAMUT has offered continuing education courses in music therapy, mental health, and substance use problems, and since 2016 continuing education courses in music therapy and older adult health have also been offered. The relevance of CPD activities has increased lately, because music therapy has been included in four more national guidelines (for treatment of substance use problems, detoxification, palliation of children and adolescents, and dementia). The basic music therapy education program at the master level is of course the responsibility of the Grieg Academy/the University, not GAMUT, but developments in this area are highly influential on the activities of the research centre, both because professional music therapists are needed for development of the practice areas that are relevant for research, and because in Norway the funding of university education programs affects university funding of research quite directly. In the first few years after 2006, the music therapy education program was a two-year master program with an uptake of 10 students. In 2010 this was transformed to a five-year integrated master program with an uptake of 12 students, increased to 14 students in 2016 and with further plans for expansion. In many ways, this is a very positive development. The program has grown increasingly under-resourced over the years, however. The first few years there were 4 university positions and 20 students (which is a ratio that roughly corresponds to the average at the Grieg Academy today), while there are 6,3 positions and 72 students today.

Summing up 10 years of development: The quantity, diversity and quality of research activities have developed quite positively, and external funding has grown substantially also. Collaborative relationships have been nurtured, both within the two parts of the centre, between the centre and health care agencies and research groups in the region, and between the centre and national and international research groups. The societal impact of the research of GAMUT has been quite clear, not least in relation to service development. One example: When the Health Directorate in 2013 included a clear recommendation of music therapy in the national guidelines for treatment of persons with psychotic disorders, four out of six references to research in music therapy and the arts therapies were publications authored by GAMUT researchers.

Current challenges and future possibilities

The impact outlined above relates to a broader process of increased recognition of music therapy in the Norwegian society. The RCTs and meta-analyses GAMUT researchers produce have not been the sole cause, of course. It is quite clear, for instance, that both practitioners and qualitative researchers have contributed to the current interest in music therapy's potential as a recovery-oriented and person-centred practice.

The recognition of music therapy in the Norwegian society has continued to increase in 2016. For instance: a) In March, the Health Directorate published two new national treatment guidelines that recommend music therapy, namely the guidelines for treatment of substance use problems and addiction, and the guidelines for detoxification. b) From June the specialized mental health services in Norway have an obligation to offer medication free treatment to patients who prefer this, and music therapy is highlighted by the Health Directorate as one of the most relevant psychosocial alternatives that patients can choose. c) In December, the Norwegian Parliament's Standing Committee on Health and Care Services – in a unanimous statement about the national budget for 2017 – expressed concerns about the relatively slow implementation of music therapy services in the Norwegian health care system.

These signals exemplify the trend that we have seen a few years already; music therapy is gradually becoming more of a mainstream approach within Norwegian health care services. This of course creates a new context for the development of music therapy as a university discipline and GAMUT as a twin centre. GAMUT has responded to this situation by intensifying the centre's efforts to provide relevant continuing education courses for music therapy practitioners, and by establishing POLYFON knowledge cluster for music therapy, in order to build connections between scholars, practitioners, and leaders in the health care system. In 2016, we created a new website for the twin centre, available at the established web address www.gamut.no. The new website prioritizes information of relevance for services and service users.

However, the positive developments are challenged by the fact that the university education program in music therapy continues to be under-resourced. GAMUT's Scientific Advisory Committee met in Bergen in April 2016 for the first time, and this challenge is highlighted in the main feedback from the committee, given to GAMUT's steering committee:

Prioritise for research: RCTs and cost-effectiveness studies are important in advancing the knowledge base of music therapy and in increasing government support for the profession. At the same time, there are limitations to these approaches to research, so to consider ecological validity and explore the value of case studies and other research approaches that illuminate user experiences and contextual processes should also be a priority in GAMUT's research. Conditions for research: GAMUT seems to have many strengths and possibilities, but the weaknesses and threats created by an under-resourced integrated master program must be taken very seriously. In future development of the POLYFON activities, more funding/support from the University should be sought, in order to strengthen the research activities and their status.

Currently, the integrated master program is under-resourced by approximately 4 positions. This impedes further development of GAMUT as an outstanding research centre. There are a number of potentials that could be realized to a higher degree if and when the resource situation is improved, including:

- connections between arts-based research, the humanities, and the sciences, within the new faculty and across UiB faculties
- connections between music therapy research at GAMUT, neuroscientific research at the Faculty of Psychology, and neurology at the Haukeland University Hospital
- connections between research and service development in POLYFON
- high-profile international research that can bring in substantial external funding.

The music therapy scholars in GAMUT are highly competent and motivated, which is one of the reasons why there is considerable research activity of solid quality in spite of the situation described here. My appraisal is, however, that the lack of resources is substantial enough to be able to create a crisis at some point. It will be a good investment for the university not only to prevent a crisis, but to create conditions for realizing the possibilities described above. Hopefully, the willingness of the university to establish a new Faculty for Fine Arts, Music and Design creates new possibilities for rectifying the situation of the integrated master program, so that realistic conditions for an internationally oriented twin centre could be created and the potential realized fully.

Bergen, February 6, 2017

Brynjulf Stige Head of Research, GAMUT

Part 1: General information about GAMUT

Background and goals

GAMUT – The Grieg Academy Music Therapy Research Centre was established in 2006, when music therapy was established as a discipline at the University of Bergen. GAMUT was designated as a twin centre in 2014, regulated by an agreement of collaboration between UiB and Uni Research. Since the beginning, the following three objectives have been defined for the centre:

- To develop a Norwegian research centre of music therapy with a high international profile
- To secure adequate development of music therapy as a university discipline
- To produce societally relevant knowledge about relationships between music, health, and wellbeing.

Areas of activity

GAMUT investigates relationships between music and health, in clinical and community settings. Results are published in peer reviewed journals and in monographs/anthologies. In addition to research activities, the centre is also engaged in dissemination of knowledge, supervision, continuing education, and service development. GAMUT is also the publisher of two international music therapy journals: *Voices: A World Forum for Music Therapy* (Open Access) and *Nordic Journal of Music Therapy* (published with Routledge).

Activities are funded internally by UiB (research resources connected to the music therapy program at the Grieg Academy) and externally (8 070 970 NOK in 2016). Externally funded activity is organized by either UiB or Uni Research.

Strategies

Central strategies for development of GAMUT are:

- Interaction and collaboration between locally based and internationally oriented projects
- Inclusion of master students and Ph.D-students in the activities of the centre
- Close collaboration between the music therapy researchers in UiB and Uni Research
- Interdisciplinary collaboration with other research milieus in the region
- Collaboration with service delivery agencies (municipalities and hospitals) of the region
- Collaboration within national and international networks.

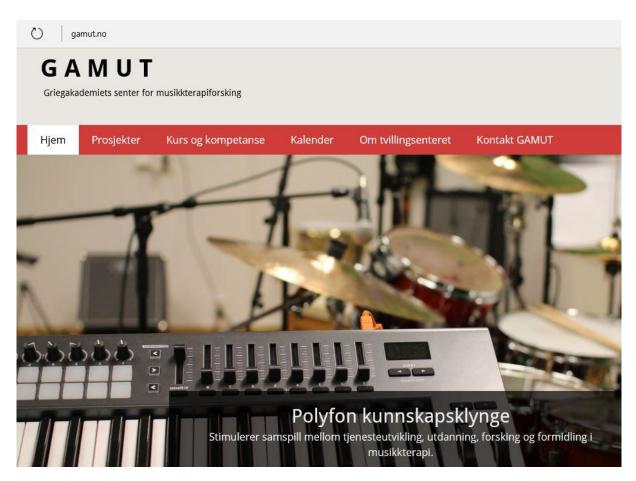
Organization and conditions

26 employees were connected to GAMUT in 2016, in full time or (mostly) part time positions. In addition, one external PhD-candidate was connected to the centre. For more information about staff, see Part 2 and Appendix 2.

GAMUT's steering committee is chaired by the Vice Rector at the University of Bergen, Oddrun Samdal. In the steering committee there are two members from UiB, two from Uni Research, and two external members. Head of GAMUT is Professor Brynjulf Stige, and a leader group is also established. A Scientific Advisory Committee was established in 2016, with four internationally renowned researchers who will meet in Bergen for the first time in 2016.

Available information about the centre

See Part 2 of this report for details about the organization and Part 3 for information about the scholarly activity in 2016. See also the appendices, as well as GAMUT's website: www.gamut.no/



A new website for the GAMUT twin centre was created in 2016, with focus on information of relevance to the health care services in Norway.

Part 2: Organization and conditions

Staff and Organization

Staff

26 employees and one external PhD-candidate were connected to GAMUT in 2016, in various roles and in part time or full positions. 9 persons were employed in full or close to full positions, the others in various part time positions, some engaged only for parts of the year (see Appendix 2). In total there were about 14 FTEs of GAMUT employees in 2016, with approximately 8 FTEs connected to research.

Organization

GAMUT is organized as a twin centre. It is partly a research group in the Grieg Academy in the University of Bergen and partly a unit within Uni Research Health, a department of the research company Uni Research. Since 2014, UiB and Uni Research regulate the GAMUT collaboration with a formal agreement of collaboration. The two parties seek to develop a strategic alliance that can nurture GAMUT's development as an internationally oriented research centre of high quality.

Steering committee

| Chair: | Oddrun Samdal (Vice Rector, University of Bergen, UiB) |
|-------------|---|
| Vice chair: | Aina M. Berg (Managing Director, Uni Research) |
| Members: | Reidar Jakobsen (Acting Research Director, Uni Research Health) |
| | Frode Thorsen (Head of Department, the Grieg Academy, UiB) |
| | Hans Olav Instefjord (Director Division of Psychiatry, Bergen Health Authority) |
| | Torbjørn Wilhelmsen (Managing Director, Wikos Strategic Relationship Management). |

Margareth Hagen, Dean of UiB's Faculty of Humanities, has been an observer in the steering committee, and in the second part of the year Gerd Tinglum, Interim Dean of the new Faculty of the Fine Arts, Music, and Design has also been an observer in the steering committee.

POLYFON knowledge cluster for music therapy has its own steering committee.

Leadership and administrator roles in GAMUT 2016

| Head of research | Brynjulf Stige |
|--------------------------------------|--|
| Assistant leader | Claire Ghetti |
| Members of leader group | Brynjulf Stige, Claire Ghetti, Christian Gold, Jill Halstead, Randi Rolvsjord and Wolfgang Schmid |
| Coordinator of education program UiB | Wolfgang Schmid |
| Editors NJMT | Christian Gold and Joke Bradt (USA) |
| Editors Voices | Brynjulf Stige, Sue Hadley (USA) and Katrina McFerran (Australia) |
| Managing editor NJMT/Voices | Rune Rolvsjord |
| Administrator POLYFON | Olav Tveitane (spring 2016) Liv Gunnhild Qvale (autumn 2016) |

Scientific Advisory Committee

- Tia DeNora: Professor in Music Sociology, University of Exeter, UK
- Lars Lien: Leader of the Norwegian National Advisory Unit on Concurrent Substance Abuse and Mental Health Disorders
- Katrina McFerran: Professor of Music Therapy, University of Melbourne, Australia
- Peter Tyrer: Professor of Community Psychiatry, Imperial College, London.

Funding of activities

The externally funded activity is in balance, see Appendix 1. Grants decreased from NOK 9 041 575 in 2015 to NOK 8 070 970 in 2016, mainly because the large Time-A project peaked its activities in 2015 and then reduced them somewhat in 2016. Grants in 2013 were NOK 4 984 063, in 2014 they were NOK 5 960 761, and the general tendency over the 10 years the centre has existed has been that grants increase year by year. The Research Council of Norway and the foundation GC Rieber Fondene were the two main sources of external funding in 2016, as in previous years.

Relationships of collaboration

GAMUT researchers work with interdisciplinary collaboration within UiB and Uni Research, and they work within national and international networks.

International collaborating institutions include:

- Cambridgeshire Music, UK
- Centre for Arts Therapies Research University of Roehampton, UK
- East London NHS Foundation Trust, UK
- Goldsmiths, University of London, UK
- Imperial College of Science Technology and Medicine, London, UK
- Instituto Scientifico Fondazione Stella Maris (IRCCS), Italy

- Jeonju University, South Korea
- Molloy College, New Orleans, USA
- Nordic Network for Gender, Body, Health
- School of Public Health, University of Haifa, Israel
- Universidade Federal de Goiás, Brazil
- Universidade Federal do Rio Grande do Sul, Brazil
- University of Surrey, UK
- Universität der Künste, Berlin, Germany
- Universität Wien, Faculty of Psychology, Austria.

GAMUT is also part of the International Consortium of Eight Music Therapy Research Universities, with the following collaborators:

- Aalborg University, Denmark.
- Anglia Ruskin University, Cambridge, UK
- Katholieke Universiteit, Leuven, Belgium
- The Norwegian Academy of Music, Oslo, Norway
- Temple University, Philadelphia, USA
- University of Jyväskylä, Finland
- University of Melbourne (National Music Therapy Research Unit/NaMTRU), Australia

In addition, there are strong international networks connected to the two peer-reviewed journals that GAMUT publishes: Nordic Journal of Music Therapy and Voices: A World Forum for Music Therapy.



Ruth Grung (AP/The Labour Party) at the GAMUT 10 years anniversary symposium, with a greeting from the Norwegian Parliament's Standing Committee on Health and Care Services. Photo: Rune Rolvsjord/Uni Research.

Part 3: Scholarly Activity

Grant applications in 2016

GAMUT researchers have been PI or co-researchers for several grant applications:

Research projects granted in 2016 with PI from GAMUT

- Title: Eight years follow-up study of an RCT on music therapy for prisoners.
 PI: Christian Gold. Master students: Fredrik Berntsen Due, Elin Kirkhus Johansen.
 Funding: POLYFON. Grant sum: NOK 72.000.
- Title: Evaluation of the mental health follow-up project MOT82: User experiences.
 PI: Lars Tuastad. Master students: Alexander Bjotveit, Erlend Daaland Wormdahl.
 Funding: POLYFON. Grant sum: NOK 72.000.
- Title: I've lost you only to discover that I have gone missing (Arts-based research, development of Dementia Reimagined project).

PIs: Dr Beatrice Allegranti (University of Roehampton, UK) and Jill Halstead (UiB). UK Partners include Dementia Pathfinders, BUPA Health Care, National Health Service St George's University Hospitals, New Adventures/ReBourne Dance Company Sadler's Wells.

Funding: The Arts Council England. Grant sum: £30.000 (ca. NOK 315.000).

- Title: Role-plays in music therapy education: A qualitative study of students' experiences, and the transfer into their professional practice as music therapists.
 Pls: Randi Rolvsjord and Wolfgang Schmid.
 Funding: POLYFON. Grant sum: NOK 28.200.
- Title: Semiautomatic video analysis of music therapy sessions with children.
 Pls: Christian Gold, Uni Research Health; Klaus Johannsen, Uni Research Computing.
 Funding: POLYFON. Grant sum: NOK 200.000.

Research projects granted in 2016 with PI from other milieus, and GAMUT as partner

• Title: Effects of music instrument lessons on brain plasticity, mood, and quality of life in Alzheimer patients (ALMUTH).

PI: Stefan Koelsch, University of Bergen; involved from Uni Research Health: Christian Gold, Brynjulf Stige.

Funding: Research Council of Norway, BEDREHELSE. Grant sum: NOK 14 million.

• Title: No Pain, No Gain: Internal mechanisms of improvisational integrative music therapy in the treatment of depression.

PI: Jaakko Erkkilä, University of Jyväskylä; involved from Uni Research Health: Christian Gold.

Funding: Academy of Finland. Grant sum (total): € 0.6 million (ca. NOK 5.5 million).

Educational projects granted

• Brynjulf Stige (Uni Research): «Continuing education in music therapy for patients with substance abuse problems and mental health challenges» (2015-2017). Developed with RKBU, Uni Research Heath. NOK 90.000 were granted by the Health Directorate.

Research proposals submitted in 2016 with decision pending

Title: Health Imaginaries: the arts in/on medicine and care.
 PIs: Jill Halstead (UiB) and Dr Donna McCormack (Nordic Network for Gender, Body, Health and University of Surrey)
 Funding: University of Surry, Institute for Advanced Studies Research Fund (UK). Grant sum: £5.000 (ca. NOK 53.000).
 Title: Music Interventions for Dementia and Depression in ELderly care: international multicentre

cluster-randomised controlled trial (MIDDEL).

PI: Christian Gold, Uni Research Health. 14 partners in 7 countries.

Funding: EU Horizon2020, Societal Challenge 1 Personalised Medicine. Grant sum: €6 million (ca. NOK 54 million).

• Title: My Music – My Life (MM-ML).

PI: Suvi Saarikallio, University of Jyväskylä. 7 partners in 6 countries. Person in charge for Uni Research Health: Christian Gold.

Funding: EU Horizon2020, Societal Challenge 1 Personalised Medicine. Grant sum: €4 million (ca. NOK 36 million).

Title: SeSciWo: Semantic Scientific Workflow.
 PI: Andreas Opdahl, University of Bergen. Person in charge for Uni Research Health: Christian Gold.
 Funding: Research Council of Norway, IKTPLUSS. Grant sum: NOK 15 million.

Proposals rejected in 2016

• Title: Centre for the Development and Evaluation of Complex Interventions in Mental Health (DECIMH).

PI: Christian Gold, Uni Research Health, in collaboration with the Faculty of Psychology and the Faculty of Humanities at UiB and with Uni Research Computing.

Proposed funding: Research Council of Norway, SFF-IV, NOK 180 million.

• Title: Health Imaginaries: the arts in/on medicine and care.

PIs: Jill Halstead (UiB) and Dr Donna McCormack (Nordic Network for Gender, Body, Health and University of Surrey).

Proposed funding: University of Surrey, Institute for Advanced Studies, Santander Fellowships (UK), £5.000 (ca. NOK 53.000). Not Granted (November 2016) but invited to resubmit to University of Surry, Institute for Advanced Studies Research Fund.

• Title: Longitudinal Study of music Therapy's Effectiveness for Premature infants and their caregivers (LongSTEP).

PI: Łucja Bieleninik, Uni Research Health, with Claire Ghetti (UiB), Christian Gold (Uni Research Health), Jörg Aßmus (Uni Research Health), Bente Vederhus (Haukeland University Hospital), Hanne C. Braarud (RKBU, Uni Research Health), and Brynjulf Stige (GAMUT).

Proposed funding: Research Council of Norway, BEHANDLING, NOK 13 million.

• Title: Longitudinal Study of music Therapy's Effectiveness for Premature infants and their caregivers (LongSTEP).

Pl: Łucja Bieleninik, Uni Research Health, with Claire Ghetti (UiB), Christian Gold (Uni Research Health), Jörg Aßmus (Uni Research Health), Bente Vederhus (Haukeland University Hospital), Hanne C. Braarud (RKBU, Uni Research Health), and Brynjulf Stige (GAMUT).

Proposed funding: Research Council of Norway, FRIHUMSAM (Young Researcher Talents), NOK 7 million.

• Title: Music Therapy and Healthcare Innovation through Collaborative Governance (MUSING): A mixed-method study in care services for older adults.

PI: Brynjulf Stige, UiB. Application developed in collaboration with the Centre for Care Research in Western Norway, Uni Research Health, and Uni Research Rokkan Centre + 6 municipalities in the region.

Proposed funding: Research Council of Norway, NOK 20 million.

• Title: Standard Behavioral Intervention versus Naturalistic/Developmental Behavioral Intervention for Children with Autism Spectrum Disorder.

PI: Christian Gold, Uni Research Health. 2 partners in the USA.

Proposed funding: Patient-Centered Outcomes Research Institute (PCORI), Pragmatic Clinical Studies to Evaluate Patient-Centered Outcomes, USD 9.7million (ca. NOK 84 million).

GAMUT research projects in 2016

Projects are listed alphabetically after project title. See also: http://gamut.no/

| A Cross Disciplinary Study of Musicking and Individual Moral Autonomy | | |
|---|--|--|
| Period: | 2015-2016 | |
| Funding: | UiB | |
| Researchers: | Jill Halstead (UiB), Sveinung Sundfør Sivertsen (Department of Philosophy, UiB), | |
| | Rasmus T. Slaattelid (Centre for the Study of the Sciences and the Humanities, | |
| UiB) | | |

| Corporeality, Musicking and Music Therapy: An interdisciplinary Study | | | |
|---|---------------|--|--|
| Period: | 2016-2018 | | |
| Funding: | UiB | | |
| Researcher: | Jill Halstead | | |

Dementia Reimagined: Arts-based research developing a film resource for use in training professionals who workin dementia care. Resource development and follow up study.Period:2015-2016Funding:UiB, University of Roehampton, University of Leeds, University of Manchester

Partners:

Beatrice Allegranti (UR), Jill Halstead (UiB), Dementia Pathfinders, UK, BUPA, UK



Arts-based research is an important part of GAMUT's research activities. Here, Jill Halstead presents the film project "I Can't Find Myself." Photo: Rune Rolvsjord/Uni Research.

Eight Years Follow-up Study of an RCT on Music Therapy for Prisoners

| Period: | 2016-2017 |
|--------------|---|
| Funding: | POLYFON |
| Researchers: | Fredrik Berntsen Due, Elin Kirkhus Johansen (master students) |
| PI: | Christian Gold |
| | |

Evaluation of the Mental Health Follow-up Project MOT82 Period: 2016-2018

| Periou. | 2010-2018 |
|--------------|--|
| Funding: | UiB, POLYFON, Helse Vest – The Western Norway Regional Health Authority, and |
| | Extrastiftelsen |
| Researchers: | Alexander Bjotveit, Erlend Daaland Wormdahl (master students) |
| PI: | Lars Tuastad |

| How Do We Understand Children's Restlessness? A Cooperative and Reflexive Exploration of Epistemological and Ontological Aspects of Children's Restlessness as Bioecological Phenomenon (Ph.d-project) Period: 2011-2016 | | |
|--|---|--|
| Funding: | UiB | |
| Ph.dstudent: | Anna Helle-Valle | |
| Co-supervisors: | Per Einar Binder and Norman Andersen (The Faculty of psychology, UiB), | |
| Main supervisor: | Brynjulf Stige (UiB) | |
| In Audible Movements: A mu structures in music improvisa Period: | ultidisciplinary study of interrelations between physical movement and musical ation 2015-2016 | |
| Funding: | UiB | |
| PI: | Simon Gilbertson (UiB) | |
| Implementation of Music The Period: Funding: | erapy in Recovery-Oriented Care for Persons Suffering from Psychosis 2015-2017 UiB, POLYFON and Kronstad DPS (Helse Bergen) | |
| PI: | Randi Rolvsjord (UiB) | |
| | | |
| Longitudinal Study of Music ⁻ for Systematic Review | Therapy for Premature Infants and Their Parents/Caregivers – Protocol Development | |
| Period: | 2015-2016 | |
| Funding: | UiB | |
| Researchers: | Łucja Bieleninik (Uni Research), Claire Ghetti (UiB), Christian Gold (Uni Research) | |
| «Mot et selvstendig liv i felle Period: | skap»: a qualitative study of music therapy in child protection aftercare 2015-2019 | |
| Funding: | Aleris Ungplan Region Vest | |
| Researchers: | Viggo Krüger, Brynjulf Stige, Astrid Strandbu (UiT) | |
| PI: | Viggo Krüger (Aleris/UiB) | |
| Music Therapy for People with Schizophrenia and Schizophrenia-like Disorders (update of Cochrane review) Period: 2015 – 2017 | | |
| Funding: | Uni Research | |
| Researchers: | Monika Geretsegger (Uni Research), Karin Mössler (Uni Research), Łucja Bieleninik | |
| | (Uni Research), Xi-Jing Chen (Jiangxi University of Chinese Medicine, Nanchang), | |
| | Tor Olav Heldal (Health and social care, Stryn), Christian Gold (Uni Research) | |
| Music Therapy for Preterm Period: | Infants and Their Parents: A Meta-analysis 2015 – 2016 | |
| Funding: | Uni Research | |
| Researchers: | Łucja Bieleninik (Uni Research), Claire Ghetti (UiB), Christian Gold (Uni Research) | |

| Music Therapy for Substa Period: | nce Abuse: Development of a Protocol for Cochrane Systematic Review 2015 – 2016 |
|---|--|
| Funding: | UiB and POLYFON |
| Researchers: | Claire Ghetti, Xi-Jing Chen (Chinese Academy of Sciences), Jörg Fachner (Anglia |
| | Ruskin University), Christian Gold (Uni Research) |
| PI: | Claire Ghetti (UiB) |
| Music Therapy with Asylu Period: | m Seeking and Refugee Children (Ph.D-project) 2015-2018 |
| Funding: | Volda University College |
| Ph.dstudent: | Kaja Elise Åslid Enge |
| Main supervisor: | Brynjulf Stige (UiB) |
| Music Therapy with Child Period: | ren in Specialised Mental Health Services (Ph.D-project) Nov. 2016-Nov. 2020 |
| Funding: | UiB |
| Ph.dstudent: | Guro Parr Klyve |
| Main supervisor: | Randi Rolvsjord (UiB) |
| Musikk – bevegelse – hels Period: | e: et pilotprosjekt (music – movement – health: a pilot project) 2015-2016 |
| Funding: | UiB and POLYFON |
| PIs: | Jill Halstead (UiB) and Randi Rolvsjord (UiB) |
| | mentation of Music Therapy within Specialized Treatment Services for Patients with |
| Substance Use Problems Period: | 2015-2017 |
| Funding: | UiB |
| PIs: | Claire Ghetti (UiB) and Brynjulf Stige (UiB) |
| POLYFON Knowledge Clus Period: | ter for Music Therapy 2015-2019 |
| Funding: | GC Rieber Fondene, RCN and (in 2016) 11 partners. |
| Researchers: | Most researchers in GAMUT, 3 researchers at RKBU (Regional Centre for Child and |
| | Youth Mental Health and Child Welfare), and researchers among the member |
| | institutions of the consortium. |
| PI: | Brynjulf Stige (UiB) |
| A separate annual POLYF | ON report (in Norwegian) is available, see http://gamut.no/polyfon/ |

| Review of Literature o Period: | n Music Therapy in Palliative Care 2015-2016 |
|--|--|
| Funding: | UiB, POLYFON and Haraldsplass Hospital |
| Researchers: | Jan Henrik Rosland, Sebastian von Hofacker, Wolfgang Schmid |
| PI: | Wolfgang Schmid (UiB) |
| | |
| Role-Plays in Music Th professional practice Period: | erapy Education: A qualitative study of students' experiences, and the transfer into their as music therapists 2016 |
| Funding: | UiB and POLYFON |
| Pls: | Randi Rolvsjord and Wolfgang Schmid |
| | o Analysis of Music Therapy Sessions with Children |
| Period: Funding: | 2016 POLYFON, Uni Research Computing and GAMUT |
| Pls: | Christian Gold (Uni Research Health), Klaus Johannsen (Uni Research Computing) |
| | Bodily and Emotional Quality of the Therapeutic Relationship as Outcome Predictor in hildren on the Autism Spectrum 2015-2019 |
| Funding: | RCN |
| Researchers: | Karin Mössler, Jörg Aßmus, Christian Gold, Jill Halstead, Wolfgang Schmid |
| PI: | Karin Mössler (Uni Research) |
| The Gendering of Mus Period: | sical Practices: A Study of Gender Performances in Music Therapy and Popular Music Cultures 2013-2016 |
| Funding: | UiB |
| Pls: | Jill Halstead (UiB) and Randi Rolvsjord (UiB) |
| Thinking in movemen Period: | t: New Methodologies for teaching Musical Practice 2016 |
| Funding: | UiB |
| Researchers: | Struan Leslie (Trinity Laban, UK), Layla Smith (University of Roehampton, UK) |
| PI: | Jill Halstead |
| | stability of autism spectrum diagnosis and severity using the Autism Diagnostic Observation c review and meta-analysis 2014-2017 |
| Funding: | Uni Research |
| Researchers: | Łucja Bieleninik (Uni Research), Maj-Britt Posserud (Haukeland University |
| | Hospital/Uni Research), Monika Geretsegger (Uni Research), Grace Thompson |
| | (University of Melbourne), Cochavit Elefant (University of Haifa), Christian Gold |
| | (Uni Research) |
| | |

| Trial of Improvisational Music Therapy's Effectiveness for Children with Autism (TIME-A) Period: 2012-2017 | | |
|--|---|--|
| Funding: | RCN | |
| GAMUT Researchers: | Christian Gold, Jörg Aßmus, Łucja Bieleninik, Monika Geretsegger & Karin Mössler. | |
| PI: | Christian Gold (Uni Research) | |



Much of GAMUT's research activity seeks to be relevant for music therapy practice. Here, user spokesperson Angelica Kjos performs together with music therapist Hans Petter Solli, who also has been responsible for the development of GAMUT's continuing education activities within the areas of mental health and substance use problems. *Photo: Rune Rolvsjord/Uni Research.*

The GAMUT Journals NJMT and Voices

Nordic Journal of Music Therapy (NJMT)

NJMT was established in 1992, with Brynjulf Stige as the founding editor until 2006. The current editors Christian Gold and Joke Bradt (USA) lead a team of 5 co-editors and a managing editor, and also an advisory board of 18 scholars from around the world. NJMT is in pier 2 (the highest level) in the Norwegian research evaluation system. The journal has developed rapidly the last few years. Collaboration with Routledge (Taylor & Francis) was established in 2008 and enhances quality of production and efficacy of distribution. GAMUT owns the journal and maintains control over its development. NJMT has been active in organizing round tables in international congresses the last few years, focusing on issues such as writing, peer-review processes, and so on. Financially the journal is based in subscriptions (managed by Routledge, which then gives GAMUT financial compensation). Funding has been stable and sufficient the last few years.

Voices: A World Forum for Music Therapy

Voices was established in 2001, with Brynjulf Stige and Carolyn Kenny (USA) as the founding editors. Current editors are Brynjulf Stige, Sue Hadley (USA), and Katrina McFerran (Australia). 9 article editors from various continents and a large group of article reviewers from around the world work together with the three editors and the managing editor, Rune Rolvsjord. Voices is one of a small number of Open Access journals in music therapy, and it has a unique profile in its interdisciplinary nature and vision focusing on music, health, and social change. Consequently, the journal seeks to develop dialogic and supportive review processes, so that voices from music therapy cultures with less resources or younger academic traditions can be heard in the continuing conversation about what music therapy could be in contemporary societies around the world. Like NJMT, Voices has been active in organizing roundtables in international congresses the last few years, often focusing on reflections and discussions of the visions of the journal, such as interdisciplinary dialogues, critique, and awareness of cultural differences and social injustice. The financial situation of the journal is challenging, and new strategies for funding will be implemented in 2017.

Publication and communication

See Appendix 4 for lists of publications and presentations and other details.

Peer-reviewed articles

GAMUT researchers authored or co-authored 8 articles in international peer-reviewed journals in 2016.

Other articles

In 2016 GAMUT researchers also published 3 articles in other journals, 4 editorials in international peerreviewed journals, 3 editorials in a national peer-reviewed journal and 10 abstracts.

Congress presentations

In 2016 GAMUT researchers had 64 presentations in different congresses. There were also 2 posters.

Books and book chapters

In 2016 GAMUT researchers published 2 academic anthologies (one published by The Norwegian Academy of Music, and one published by the Norwegian academic publishers Universitetsforlaget). There were published 21 peer reviewed book chapters, 2 other chapters and 1 foreword.

Supervision and guest researcher visits

3 Ph.D. positions were connected to GAMUT in 2016, with the main supervisors from UiB (Randi Rolvsjord 1 and Brynjulf Stige 2). The Grieg Academy announced a new Ph.D.-scholarship in 2015, and the project started in November 2016.

In 2016 GAMUT researchers employed in Uni Research were involved in supervision of 1 master thesis in music therapy at UiB. They will be invited to be involved with Ph.D.-supervision when projects of relevance are established.

A number of master students in music therapy at UiB take part in the research performed at GAMUT as research assistants, or through the summer research scholarships POLYFON knowledge cluster for music therapy has enabled. 4 students received such scholarships in 2016.

A guest researcher visited GAMUT for 4 months in the autumn 2016: Laura Fusar Poli, Ph.D. candidate in the department of Psychology, Neuroscience and Medical Statistics at the University of Pavia, Italy. She was collaborating with Christian Gold (Uni Research) and the TIME-A team during her stay.

Service development

GAMUT's main avenue for working with service development is POLYFON knowledge cluster for music therapy. There is a separate annual report (in Norwegian) for the cluster, see http://gamut.no/polyfon/.

GAMUT is also represented in three national networks for service development: Brynjulf Stige has since 2010 been involved in the national network for development of music therapy within substance abuse treatment. Viggo Krüger initiated two new national networks in 2015, one for music therapists working with adolescents, and one for development of music therapy within child protection.

The two networks engaged with development of music therapy within substance abuse treatment and child protection involve collaboration with a range of institutions and centres, including agencies, various publicly funded competency centres, and the Centre for Research on Music and Health (CREMAH) at the Norwegian Academy of Music in Oslo.

Seminars, various courses, and continuing education

Seminars and conferences

GAMUT has a tradition of organizing seminars for interdisciplinary dialogue and discussion. In 2016 GAMUT organized or co-organized the following seminars:

- January 14: Seminar at Litteraturhuset about children's restlessness. Organized by Anna Helle-Valle (Ph.D. student at UiB, GAMUT).
- April 6-7: Seminar with the Scientific Advisory Committee for GAMUT and POLYFON.
- June 1: Book launch at Bergen International Festival: «Musikkterapi og eldrehelse» by Hanne Mette Ridder and Brynjulf Stige.
- June 1-2: A concert and a seminar on music therapy and dementia, as part of Bergen International Festival, and with financial support from GC Rieber Fondene.
- August 24: GAMUT's presentation and celebration of its 10th Anniversary at the Uni Research Health gathering at Solstrand.
- November 15: "Music Body Autism: International seminar day reflecting on relational aspects in music therapy with children with autism". Closing seminar for Christian Gold's "TIME-A" project and kick-off seminar for Karin Mössler's project "Shared Moments".
- November 30: GAMUT's 10th Anniversary Conference in the University Aula, UiB, highlighting connections between research and service development. Throughout the day, the program included both research presentations and reflections from leaders in the health care system, and not least music and reflections from several service users.



Knut Engedal (author of the foreword) together with the editors Hanne Mette Ridder (Aalborg University) and Brynjulf Stige, at the book launch at Bergen International Festival June 1. *Photo: Rune Rolvsjord/Uni Research.*

Information work and continuing education courses

With funding from the national Health Directorate, associate professor Hans Petter Solli has worked in a 20 % position in 2016 with disseminating information about music therapy to health services nationally and developing continuing education courses for music therapists ("etterutdanning" without credits in the university system).

It has been held approx. 15 information courses during 2016 in different institutions: municipalities, institutions offering services in multidisciplinary specialist substance abuse treatment (TBS), institutions within mental health care, elderly care and child protection. The courses have been held in Western, Eastern and Mid Norway.

The continuing education courses focused on music therapy with people with substance use problems and mental health challenges. Part 1 (18 participants) was organized with one 3-day gathering in March and one 2-day gathering in May, with group work and independent study in the intermediate period. Part 2 of the course was organized in November, with one 2-day gathering in Oslo (20 participants) and a 1-day course in Bergen (11 participants).

In autumn 2016, the first Norwegian continuing education course in music therapy and older adult health started at UiB ("vidareutdanning" with 15 credits in the university system). Associate professor Tone Sæther Kvamme has been engaged in developing and preparing the course and has been responsible for it since it started. 13 students attend this course. The course is mostly funded by the participants' course fee, but UiB is also supporting financially. There are four 2-day gatherings during 1 year, with independent study in the intermediate periods. The first gathering was in September 2016, and there will be a final exam in June 2017.

Appendix 1 –

Accounting for externally funded activity at GAMUT in 2016

| UiBBalance brought forward to 20161 136 800GC Rieber1 500 000Donation matching scheme KD375 000Polyfon participants' contributions1 124 500Grieg Academy, small project funding59 470Balance brought forward to 2017(1 790 000)Total revenue UiB2 405 770Uni Research74 700Group subscriptions, NJMT74 700Routledge (operating support - royalty)243 800The Norwegian Directorate of Health396 800The Research Council of Norway3 961 400GC Rieber Fondene297 600Uni Research Health664 800Imperial College, UK26 100Total revenue Uni Research5665 200Total revenue GAMUT8 070 970 | Revenue (in NOK) | |
|---|---|-------------|
| GC Rieber1 500 000Donation matching scheme KD375 000Polyfon participants' contributions1 124 500Grieg Academy, small project funding59 470Balance brought forward to 2017(1 790 000)Total revenue UiB2 405 770Uni Research74 700Group subscriptions, NJMT74 700Routledge (operating support - royalty)243 800The Norwegian Directorate of Health396 800The Research Council of Norway3 961 400GC Rieber Fondene297 600Uni Research Health664 800Imperial College, UK26 100Total revenue Uni Research5 665 200 | UiB | |
| Donation matching scheme KD375 000Polyfon participants' contributions1 124 500Grieg Academy, small project funding59 470Balance brought forward to 2017(1 790 000)Total revenue UiB2 405 770Uni Research74 700Group subscriptions, NJMT74 700Routledge (operating support - royalty)243 800The Norwegian Directorate of Health396 800The Research Council of Norway3 961 400GC Rieber Fondene297 600Uni Research Health664 800Imperial College, UK26 100Total revenue Uni Research5 665 200 | Balance brought forward to 2016 | 1 136 800 |
| Polyfon participants' contributions1 124 500Grieg Academy, small project funding59 470Balance brought forward to 2017(1 790 000)Total revenue UiB2 405 770Uni Research74 700Group subscriptions, NJMT74 700Routledge (operating support - royalty)243 800The Norwegian Directorate of Health396 800The Research Council of Norway3 961 400GC Rieber Fondene297 600Uni Research Health664 800Imperial College, UK26 100Total revenue Uni Research5 665 200 | GC Rieber | 1 500 000 |
| Grieg Academy, small project funding59 470Balance brought forward to 2017(1 790 000)Total revenue UiB2 405 770Uni Research74 700Group subscriptions, NJMT74 700Routledge (operating support - royalty)243 800The Norwegian Directorate of Health396 800The Research Council of Norway3 961 400GC Rieber Fondene297 600Uni Research Health664 800Imperial College, UK26 100Total revenue Uni Research5 665 200 | Donation matching scheme KD | 375 000 |
| Balance brought forward to 2017(1 790 000)Total revenue UiB2 405 770Uni Research74 700Group subscriptions, NJMT74 700Routledge (operating support - royalty)243 800The Norwegian Directorate of Health396 800The Research Council of Norway3 961 400GC Rieber Fondene297 600Uni Research Health664 800Imperial College, UK26 100Total revenue Uni Research5 665 200 | Polyfon participants' contributions | 1 124 500 |
| Total revenue UiB2 405 770Uni Research74 700Group subscriptions, NJMT74 700Routledge (operating support - royalty)243 800The Norwegian Directorate of Health396 800The Research Council of Norway3 961 400GC Rieber Fondene297 600Uni Research Health664 800Imperial College, UK26 100Total revenue Uni Research5 665 200 | Grieg Academy, small project funding | 59 470 |
| Uni ResearchGroup subscriptions, NJMT74 700Routledge (operating support - royalty)243 800The Norwegian Directorate of Health396 800The Research Council of Norway3 961 400GC Rieber Fondene297 600Uni Research Health664 800Imperial College, UK26 100Total revenue Uni Research5 665 200 | Balance brought forward to 2017 | (1 790 000) |
| Group subscriptions, NJMT74 700Routledge (operating support - royalty)243 800The Norwegian Directorate of Health396 800The Research Council of Norway3 961 400GC Rieber Fondene297 600Uni Research Health664 800Imperial College, UK26 100Total revenue Uni Research5 665 200 | Total revenue UiB | 2 405 770 |
| Routledge (operating support - royalty)243 800The Norwegian Directorate of Health396 800The Research Council of Norway3 961 400GC Rieber Fondene297 600Uni Research Health664 800Imperial College, UK26 100Total revenue Uni Research5 665 200 | Uni Research | |
| The Norwegian Directorate of Health396 800The Research Council of Norway3 961 400GC Rieber Fondene297 600Uni Research Health664 800Imperial College, UK26 100Total revenue Uni Research5 665 200 | Group subscriptions, NJMT | 74 700 |
| The Research Council of Norway3 961 400GC Rieber Fondene297 600Uni Research Health664 800Imperial College, UK26 100Total revenue Uni Research5 665 200 | Routledge (operating support - royalty) | 243 800 |
| GC Rieber Fondene297 600Uni Research Health664 800Imperial College, UK26 100Total revenue Uni Research5 665 200 | The Norwegian Directorate of Health | 396 800 |
| Uni Research Health664 800Imperial College, UK26 100Total revenue Uni Research5 665 200 | The Research Council of Norway | 3 961 400 |
| Imperial College, UK26 100Total revenue Uni Research5 665 200 | GC Rieber Fondene | 297 600 |
| Total revenue Uni Research5 665 200 | Uni Research Health | 664 800 |
| | Imperial College, UK | 26 100 |
| Total revenue GAMUT8 070 970 | Total revenue Uni Research | 5 665 200 |
| | Total revenue GAMUT | 8 070 970 |

| Expenses (in NOK) | |
|---|-----------|
| Salaries UiB | |
| Salary, social costs and overhead | 1 823 600 |
| Research grants UiB | |
| Grants to Polyfon projects | 397 600 |
| Grants to projects at the Grieg Academy | 59 470 |
| Operating costs UiB | |
| Steering committee / SAC | 64 600 |
| Seminar costs | 42 600 |
| Sundry expenses | 18 000 |
| Sum operating costs UiB | 125 200 |
| Total expenses UiB | 2 405 870 |
| Salaries Uni Research | |
| Salary, social costs and overhead | 4 847 900 |
| Operating costs Uni Research | |
| Group subscriptions, NJMT | 138 500 |
| Data collection | 316 800 |
| Conference, seminar and course expenses | 67 000 |
| Telephone, internet | 17 200 |
| Travelling expenses | 258 200 |
| Sundry expenses | 19 500 |
| Sum operating costs Uni Research | 817 200 |
| Total expenses Uni Research | 5 665 100 |
| Total expenses GAMUT | 8 070 970 |
| Net income | 0 |

Appendix 2 – Staff in 2016

26 employees and one external PhD-candidate were connected to GAMUT in 2016, in various roles and in part time or full positions, see Part 2. 9 persons were employed in full or close to full positions. In total there were about 14 FTEs of GAMUT employees in 2016, with approximately 8 FTEs connected to research.

- Jörg Aßmus, Statistician (part time), Uni Research Health
- Łucja Bieleninik, Postdoctoral researcher, Uni Research Health
- Martine Diesen, Researcher III, Uni Research Health
- Kaja Elise Åslid Enge, Ph.d.-student, UiB (funded by Volda University College)
- Monika Geretsegger, Researcher II (part time), Uni Research Health
- Claire Ghetti, Associate professor, UiB, and Assistant leader of GAMUT (UiB and Uni Research Health)
- Simon Gilbertson, Associate professor, UiB
- Christian Gold, Researcher I, Uni Research Health, and Professor, UiB
- Jill Halstead, Associate professor, UiB
- Anna Helle-Valle, Ph.d.-student, UiB
- Guro Parr Klyve, Ph.d.-student, UiB
- Viggo Krüger, Associate professor (part time), UiB
- Tone Sæther Kvamme, Associate professor/Researcher II (part time), UiB/Uni Research Health
- Merethe Wolf Lindvall, Assistant professor (part time), UiB
- Maren Metell, Assistant professor (part time), UiB
- René Misje, Assistant professor (part time), UiB
- Karin Mössler, Researcher II, Uni Research Health
- Marko Nouwens, Researcher III (part time), Uni Research Health
- Liv Gunnhild Qvale, Higher Executive Officer (part time), Uni Research Health (leave first half of 2016)
- Randi Rolvsjord, Professor, UiB
- Rune Rolvsjord, Higher Executive Officer (part time), Uni Research Health
- Wolfgang Schmid, Associate professor, UiB
- Geir Olve Skeie, Professor (part time), UiB
- Hans Petter Solli, Associate professor / researcher II (part time), Uni Research Health
- Brynjulf Stige, Professor, UiB, and Head of GAMUT (UiB and Uni Research Health)
- Lars Tuastad, Associate professor, UiB (temporary position)
- Olav Tveitane, Higher Executive Officer (part time), UiB (temporary position, first half of 2016)

Appendix 3 – Selected news 2016 from the GAMUT websites

This appendix includes selected news from the twin centre's web-site www.gamut.no and from the websites on GAMUT in the University of Bergen and Uni Research Health. The news were in Norwegian originally, and only headings have been translated here. Dates entered as: day.month.year.

14.04.16

New continuing education program on music therapy for older adult health

16.05.16

New continuing education seminars on mental health and substance use problems

24.05.16

Book launch and seminar on music therapy and dementia in Bergen International Festival

16.06.16

Exploring implementation of music therapy services in a ward for patients with psychosis

05.10.16

Exploring the possibilities of music therapy in palliative treatment at Haraldsplass Hospital

11.11.16

New CD from "Soul Party" - a music therapy band from the mental health services in Bergen

21.11.16

Anna Helle-Valle's Viva Voce: Challenging our understanding of children's restlessness

08.12.16

GAMUT's anniversary: Celebration of 10 years of music therapy research in Bergen

09.12.16

Expanded music therapy services in the Haukeland University Hospital

Appendix 4 – **Publications and presentations in 2016**

The list is generated from Cristin (Current research information system in Norway).

Journal publication

Peer-reviewed article

Bieleninik, Lucja; Ghetti, Claire; Gold, Christian.

Music therapy for preterm infants and their parents: A meta-analysis. *Pediatrics* 2016; Volume 138:e20160971.(3). UIB UNI

Chen, Xi Jing; Leith, Helen; Aarø, Leif Edvard; Manger, Terje; Gold, Christian.

Music therapy for improving mental health problems of offenders in correctional settings: systematic review and meta-analysis. *Journal of Experimental Criminology* 2016; Volume 12(2) p. 209-228. FHI UiB UNI

Geretsegger, Monika; Holck, Ulla; Bieleninik, Lucja; Gold, Christian.

Feasibility of a trial on improvisational music therapy for children with autism spectrum disorder. *The Journal of music therapy* 2016; Volume 53(2) p. 93-120. UNI

Ghetti, Claire.

Performing a family of practices: Developments in community music therapy across international contexts. *Music Therapy Perspectives* 2016; Volume 34(2) p. 161-170. UiB

Krüger, Viggo; Bolstad, Nina; Stige, Brynjulf.

Hvorfor og hvordan utvikle musikkterapi i barnevernet? Om tjenesteutvikling og forskning som samspillende sosiale praksiser. *Norges Barnevern* 2016; Volum 92(3-4) p. 322-338. UiB

Mössler, Karin; Fuchs, Katharina.

Wie klingt verändern. Eine qualitative Studie über das Entwickeln eines Fokus in der Musiktherapie. *Musiktherapeutische Umschau* 2016; Volume 2. p. 152-164. UNI

Schmid, Wolfgang.

Being together – Exploring the modulation of affect in improvisational music therapy with a man in a persistent vegetative state – a qualitative single case study. *Health Psychology Report* 2016. UiB

Schmid, Wolfgang.

Musik lehren und lernen - kollaboratives Lernen im Musiktherapiestudium. *Musiktherapeutische Umschau* 2016; Volume 2. p. 176-184. UiB

Peer-reviewed article, published online in 2015

Metell, Maren; Stige, Brynjulf.

Blind spots in music therapy. Toward a critical notion of participation in context of children with visual impairment. *Nordic journal of music therapy* 2016; Volume 25(4) p. 300-318. UiB

Mæland, Silje; Magnussen, Liv Heide; Eriksen, Hege Randi; Werner, Erik L; Helle-Valle, Anna; Hensing, Gunnel.

Correspondence in Stakeholder Assessment of Health, Work Capacity and Sick Leave in Workers

with Comorbid Subjective Health Complaints? A Video Vignette Study. *Journal of occupational rehabilitation* 2016; Volume 26(3) p. 340-349. HIB UiB UiO UNI

Rolvsjord, Randi.

Five episodes of clients' contributions to the therapeutic relationship: a qualitative study in adult mental health care. *Nordic journal of music therapy* 2016; Volume 25(2) p. 159-184. UiB

Popular scientific article

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Musical performance

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Revy og konsertforestilling. SOS barnebyer Olsvik; 2016-11-03. UiB

Product

Digital learning tools

Rolvsjord, Randi.

Music to improve mental health. Foredrag i MOOC: How music can change your life. MOOC: How music can change your life, The University of Melbourne 2016. UiB

Media contribution

Interview

Fuglestad, Svein; Stensæth, Karette; Krüger, Viggo; Paszkiewicz, Sofia.

Kan musikk hjelpe born med å uttrykke kjensler? Intervju på Spillerom, NRK P2 i forbindelse med boklansering av antologien "I transitt - mellom til og fra." Om musikk og deltakelse i barnevern. NRK P2 [Radio] 2016-10-19. HIOA NMH UIB

Krüger, Viggo.

Det var en gang en ooo og en aaa, en svært liten pilip og en kjempestor gong! Dagens næringsliv D2 [Newspaper] 2016-04-21. UiB

Krüger, Viggo.

Kom Nærmere barnebyen. Sydvesten [Newspaper] 2016-03-31. UiB

Krüger, Viggo.

Musikalsk rehabilitering. Megafon [Business/trade/industry journal] 2016-05-01. UiB

Appendix 5 – GAMUT in the Media

A list of presentations about GAMUT in newspapers and other media (radio/TV excluded) in 2016:

Alle musikkfagene vil til nytt fakultet På Høyden - 15.03.2016 06:25. Kommentarer fra Wolfgang Schmid, Brynjulf Stige

Kom nærmere Barnebyen Sydvesten - 31.03.2016. Konsertomtale.

- Talentfulle mennesker sliter også Studvest - 06.04.2016 09:27. Kommentar fra Brynjulf Stige.

Kan du synge deg frisk? Ballade - 14.04.2016. Kommentar fra Hans Petter Solli

Det var en gang en ooo og en aaa, en svært liten piiip og en kjempestor gong! www.dn.no - 21.04.2016. Kommentar Brynjulf Stige.

Musikkterapi i vinden Rus & samfunn - 24.05.2016. Kommentarer fra Hans Petter Solli.

Praksisnært om musikk som forebyggende arbeid

Fontene Forskning - 14.06.2016. Bokanmeldelse.

Eldre, helse og musikk Sykepleien - 16.06.2016. Bokanmeldelse.

Music therapy helps preemie babies thrive Medical x-press – 25.08.2016 og 38 andre nettsider. Intervju med Lucja Bieleninik.

Moms singing may help preemies thirve Chicago Tribune – 27.08.2016 og 6 andre nettsider. Intervju med Lucja Bieleninik.

La musicoterapia ayuda a los bebes prematures a crecer sanos Medline plus – 25.08.2016 og 6 andre nettsider. Intervju med Lucja Bieleninik.

Musikk: ein ressurs for barn og unge i barnevernet?

Ballade - 05.09.2016. Bokomtale.

Musikk som ressurs for eldres helse

Demens & Alderspsykiatri - 06.09.2016. Bokomtale.

Praksisnært om musikk som forebyggende arbeid

Fontene forskning - 29.09.2016. Bokanmeldelse.

- Musikkterapien har gitt oss en stemme Bergensmagasinet - 04.10.2016. Reportasje om MOT 82.

- Rehabilitering begynner med tennene Bergensmagasinet - 04.10.2016. Intervju Gatens Evangelium/Lars Tuastad.

En sang om livet Bergensmagasinet - 04.10.2016. Intervju med Viggo Krüger.

Terapi i musikk Agenda 3:16 - 24.10.2016. Bokomtale.

Music therapy reduces depression in children and adolescents, research finds *Medical Xpress* - 07.11.2016. Kommentar fra Karin Mössler.

Får mer enn man gir

Bergensavisen - 19.11.2016. Christian Rieber velger å gi prispengene på 250 000 kroner videre til studenter ved Griegakademiets senter for musikkterapiforskning

Mohammad ønsker seg ny norsk familie

Bergens Tidende - 25.11.2016. Intervju Kom nærmere (Viggo krüger)

For lite musikkterapi NRK P2 Nyhetsmorgen - 29.11.2016. Kommentar Brynjulf Stige.

I fjor kom syriske Shervan Bergens Tidende - 10.12.2016. Omtale Kom nærmere.

Musikkterapi reddet på målstreken

Bergensmagasinet - 19.12.2016. Intervju Lasse Tuastad.

Musikkens unike evne

Tidsskrift for Norsk Psykologforening - 03.01.2017. Bokanmeldelse.