



ANNUAL REPORT 2017

CENTRE FOR INTERNATIONAL HEALTH
// UNIVERSITY OF BERGEN

VISION AT CENTRE FOR INTERNATIONAL HEALTH

Our research and education in global health
will contribute to improved health for the
poorer populations of the world.

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1. FROM THE CENTRE DIRECTOR

This year was filled with changes! However, the vision at CIH remains. We wish that:

Our research and education in global health will contribute to improved health for the poor populations of the world.

One of the changes was for CIH to move from Overlege Danielsens House, where we normally are located. The building was in need of improvements, and the rehabilitation process will take about a year. We have found new, temporary offices in Jekteviksbakken 31. It is far from the rest of the Faculty of Medicine, but as the University of Bergen owns this building together with Chr. Michelsen's Institute, it gives us an opportunity to meet new, interesting colleagues. In particular, development research activities have been located at Jekteviksbakken 31 for years.

Another change this year was CIH merging together with the administrative unit "UiB Global" in Jekteviken. This is a part of the University strategy and the University will give priority to the thematic area "Global Challenges" in the coming years. For CIH, this means an opportunity to co-operate more closely with the Global group, enabling us to promote more and better inter-faculty research and education in this area. This is providing us with new possibilities, and is in line with the aims at CIH.

This year we received the first students in our new Master programme in Global Health. We have merged our two previous Master studies in International Health and Oral Sciences. The governmental decision to stop the "Quota" scholarship programme last year has significantly changed our student group. Earlier we educated students from low-income countries, mainly from partner institutions. The Quota scholarships were critically important to this capacity building activity, and our students actually returned to their home institutions. Without this funding support, we are necessarily attracting a different kind of students, and we are adjusting to this change. It is challenging and interesting, and we hope our new Master programme will be sustainable! In addition, we will continuously work for an important aim of CIH: Capacity building in our partner countries.

The job demands at the Centre remain high, both for the scientific and administrative staff. CIH has many large research projects and more than 60 PhD candidates. In addition, we have a group of PhD candidates at Hawassa University in Ethiopia, who are part of a newly established joint degree programme. It is fantastic!

I would like to conclude by saying that it is a privilege to work together with the staff and students at CIH. Thank you all, you are impressive, and 2017 has been a great year!



April 2018
Bente E. Moen
Director, CIH

2. RESEARCH

2.1 HIGHLIGHTS IN RESEARCH

2017 has been a very strong year for research at CIH. Our researchers are involved in more than 30 projects in 15 different countries.

CIH researchers have been actively involved presenting their work at international conferences, and have been invited guest speakers at many. We have around 150 publications in 2017. In this report, we present just a few of the projects we work on as examples; we cannot write about them all. We suggest you look at the project list and the publication list to get a more complete picture of the research activity at CIH.

In addition, CIH has engaged in new networking initiatives that we believe will strengthen our ability to engage in new funding and research opportunities (read more in this report chapter 5).

2.1.1 New TB Test

Professor Tehmina Mustafa, has developed a new robust, rapid, sensitive, and specific test for TB, implementable in low-resource settings!

Mustafa leads multi-national research efforts into improved diagnosis of tuberculosis (TB). She explains that while in countries such as Norway, the number of cases of TB diagnosed per year is 6–9 per 100 000 citizens, in low- and middle-income countries this number can be as high as almost 300 people per 100 000 citizens. According to Mustafa, the incidence of the more difficult to detect extrapulmonary TB is often under-reported. It is estimated that at least 18–20% of all TB cases are extrapulmonary, and this may be as high as 50% in children as well as in those who are HIV co-infected.

There are a number of challenges associated with correct diagnosis of extrapulmonary TB, particularly in low- and middle-income countries, where treatment is usually started on clinical suspicion without laboratory support. These can easily result in either over- or under-diagnosis leading to increased morbidity and mortality, with the significant accompanying socio-economic consequences. Extrapulmonary TB also has



Undertaking lab work. Photo: Tehmina Mustafa

a lower bacterial burden, making it more difficult to identify with routine methods and requiring more advanced lab technology and facilities, which are beyond the health system infrastructure of many low- and middle-income countries.

In 2006, Mustafa published findings describing the immunohistochemistry-based analyses that detect an antigen, MPT64. MPT64 is a protein that accumulates in TB-infected host cells during the disease process. She has since shown, in a series of studies in Norway, Zanzibar, Tanzania, India and Pakistan, that assaying for MPT64 is an effective way to identify the presence of TB, including for different types of extrapulmonary TB. In addition to being robust, sensitive, and specific, the MPT64 test is relatively rapid, requiring about 1 day to carry out as compared to the conventional culture method, which requires 4–8 weeks. Implementation of an MPT64 test in routine diagnostic settings will improve TB diagnosis in a cost- and time-effective way for the vulnerable populations of low- and middle-income countries.



Mustafa and her team at work in the lab. Photo: Tehmina Mustafa

2.1.2 Choosing Between Starvation and Disease

Espérance Kashala-Abotnes, a CIH researcher, is training care-givers in DRC how to prevent Konzo Disease in very young Congolese children.

Konzo Disease is a debilitating, irreversible motor neuron disease that is directly caused by eating insufficiently processed cassava (yucca), which is an important food staple for around 600 million people worldwide in equatorial regions. Individuals affected by the disease walk with a strained gait (konzo means “tied legs”) due to neurodegeneration, which leads to irreversible paralysis. It is a disease that affects mostly women and children.

Kashala-Abotnes is a Psychiatrist and Neurologist as well as an Appointed Expert at the International Criminal Court. She has been and continues to be involved in a number of studies investigating the broader Konzo problem in the Democratic Republic of Congo (DRC). The Research Council of Norway’s project “Enfance Africaine-Child mental health in francophone Africa” focuses on children 1–4 years of age in a particular region of southwestern DRC. It is an observational study addressing whether there is an association between exposure to cassava cyanogen, early child neurodevelopment, and other factors. In this region the soil is very acidic and only one species of cassava thrives. Unfortunately, the nature of the soil means that the cassava roots take up cyanogens. The roots can be safely eaten, however, if they are soaked for 3–4 days. The poor, rural populations in this area thus face difficult challenges: go hungry and wait, or eat sooner and be poisoned.



Caregivers in DRC interviewing children. Photo: Esperance Kashala-Abotnes

The preliminary results, which showed that both mothers and children have dangerously high thiocyanate levels in their urine, enabled Kashala-Abotnes and her international research team to successfully obtain funding for another project, an intervention study, from the African Partnership scaling grant award at Michigan State University. The project involves a care-giver training in the “Wetting Method” intervention, and is designed to enhance both emotional and cognitive development in at-risk children, in addition to preventing the neurodevelopmental impact of konzo disease resulting from poorly processed cassava.

In addition, Kashala-Abotnes plans to continue documenting this vulnerable population in a Stage II project where she will go on to study school-age children.

2.1.3 Maternal Mortality More Than Halved

Making standard delivery services available for all is the most important factor for improving maternal mortality. Furthermore, the study suggests that stillbirths can also be reduced if the health services focus on improved obstetric care.

Professor Bernt Lindtjørn led a project in south-western Ethiopia studying how a number of interventions could reduce maternal mortality and stillbirths. As a result of the research efforts, there was 64% reduction in maternal mortality and a 46% reduction in stillbirths.

Lindtjørn explains that there are several reasons why mothers die in childbirth, but he highlights that the main causes are insufficient numbers of institutions and trained personnel, as well as a lack of access to services (i.e. transportation) as being the most important factors.



Rural health service facility. Photo: Bernt Lindtjørn

The project's positive results were associated with increasing the numbers of trained staff, increasing the numbers of institutions undertaking Comprehensive Emergency Obstetric Care (CEmOC), increasing the numbers of mothers having Caesarean sections, increasing in the numbers of antenatal controls and referrals, improving access to health service, decreasing in number of home deliveries and decreasing the use of traditional birth attendants.

The goals for the project were straight forward and included making small hospitals available for rural populations, improving referrals (i.e. from health posts to health centres to hospitals when necessary), undertaking additional training for non-clinical physicians, nurses, midwives, and health extension workers, making essential equipment available, and supervising the health care services on offer.

The project was based on the principle of "learning by doing" and involved short courses in Basic Emergency Obstetric Care (BEmOC) and Comprehensive Emergency Obstetric Care (CEmOC), as well as anaesthesiology, scrub nursing and Continuing Medical Education (CME). It also included Master and PhD training in Public Health: one PhD and 6 master degrees resulted from the project.

2.1.4 NORHED Success Story!

The HI-TRAIN inter-faculty, inter-institution collaboration has established sustainable, capacity-building courses in Health Information Technology in Kenya and Uganda.

The NORHED project is entitled, "Better Health Information for better health care". It responds to Kenya and Uganda's need for trained health information technologists to manage the digitalization of their national health data systems. It involves Moi University in Kenya and Makerere University in Uganda, as well as the



Research team at a rural health centre. Photo: Thorkild Tylleskär

Department of Informatics and the Centre for International Health at the University of Bergen. Khalid Mughai, from the Department of Informatics, at the Faculty of Mathematics and Natural Sciences, at the University of Bergen (UiB) is the project coordinator for UiB.

Professor Thorkild Tylleskär from CIH explains that HI-TRAIN had 2 main objectives. The first was to design and implement a Master of Science in Health Informatics programme at the 2 African universities. The programme is now being offered for the third time at Moi University and for the second time at Makerere University. It includes truly cross-over courses that provide medical personnel with necessary IT competencies, and IT personnel with a working understanding of medical issues.

The second objective was to train staff to be able to ensure the continuation of the Master programme once the project period is over. This capacity building involves the training of PhD students from the 2 universities. A total of 8 PhDs (4 from each university) are now in the middle of their study programme. The PhDs are jointly supervised by faculty in Africa and Bergen.

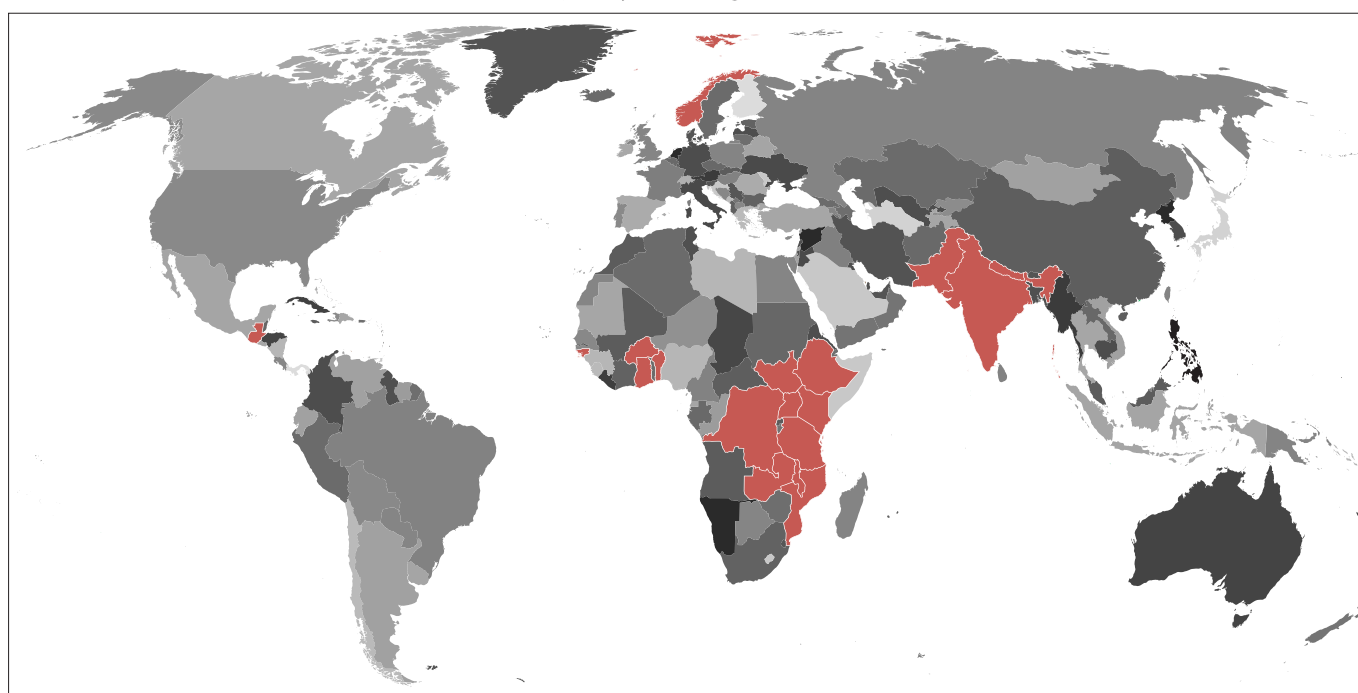
2.2 MAIN RESEARCH PROJECTS

This list includes the main projects administered at CIH.

PROJECT TITLE	DURATION	PROJECT LEADER	FUNDING SOURCE	MAIN COUNTRIES
Acceptability and Effectiveness of umbilical Cord Cleansing for the Prevention of Newborn Infections in Uganda	2014–2018	Nankabirwa, Victoria	NFR/GLOBVAC	Uganda
Zinc as an adjunct for the treatment of very severe disease in infants younger than 2 months	2014–2018	Bhatnagar, Shinjini	NFR/GLOBVAC	India, Nepal
Enfance Africaine - Mental child health in francophone Africa	2014–2018	Abotnes, Esperance Kashala	NFR/GLOBVAC	Burkina Faso, Democratic Republic of the Congo
Improving diagnosis of extrapulmonary tuberculosis by implementation of a sensitive and specific assay in routine tuberculosis diagnostics	2014–2018	Mustafa, Tehmina	NFR/GLOBVAC	India, Pakistan, Tanzania
New Vaccine against traveler's diarrhea caused by ETEC	2016–2019	Barczyk, Malgolzata / Sommerfelt, Halvor	NFR/BTO	India
SeeTheChild – Mental child health in Uganda	2013–2018	Engebretsen, Ingunn	NFR/GLOBVAC	Uganda
Centre of Excellence: Centre for Intervention Science in Maternal and Child Health (CISMAC)	2013–2023	Sommerfelt, Halvor	NFR/GLOBVAC	Pakistan, Ethiopia, Uganda, India, Nepal, South Africa, Zambia, Palestine
Combining indoor residual spraying and long-lasting insecticidal nets for preventing malaria: Clust randomized trial in Ethiopia	2012–2018	Lindtjørn, Bernt	NFR/GLOBVAC	Ethiopia
SURVIVAL PLUS: Increasing capacity for mama-baby survival in post-conflict Uganda and South Sudan	2013–2018	Tylleskär, Thorkild	NORHED	Uganda, South Sudan
GROW NUT - Growing Partnership for Higher Education and Research in Nutritional Epidemiology in DR Congo	2013–2019	Hatløy, Anne / Tylleskär, Thorkild	NORHED	Democratic Republic of the Congo, South Africa
HI-TRAIN - Health Informatics training and research in East Africa for improved health care	2013–2018	Tylleskär, Thorkild	NORHED	Kenya, Uganda
SENUPH - South Ethiopia Network of Universities in Public Health (SENUPH) aims to improve women's participation in post graduate education	2014–2019	Lindtjørn, Bernt	NORHED	Ethiopia
Reduction of the burden of injuries and occupational exposures through capacity building in low income countries.	2014–2018	Moen, Bente Elisabeth	NORHED	Ethiopia, Tanzania
Capacity building in postgraduate surgical training and research in Malawi	2014–2018	Lindtjørn, Bernt	NORHED	Malawi
STOPENTERICS - Vaccination against Shigella and ETEC: novel antigens, novel approaches	2010–2018	Sommerfelt, Halvor	EU	Europe
Malaria Chemoprevention for the post-discharge management of severe anaemia in children in Malawi, Uganda and Kenya: Moving towards policy	2014–2019	Robberstad, Bjarne	NFR/GLOBVAC	Malawi, Uganda, Kenya, Europe, USA
ETECVAC, Development of a vaccine for enterotoxigenic E. coli based on the heat-stable toxin	2014–2018	Sommerfelt, Halvor	NFR	India
Impact of vitamin B12 on neurodevelopment and cognitive function from early life into school age, the Vita beginning-collaboration.	2014–2019	Strand, Tor A	NFR	Nepal
ALEC, Aging Lungs in European Cohorts	2015–2019	Svanes, Cecilie	EU	Europe
The effectiveness of a girl empowerment programme on early childbearing, marriage and school dropout in Rural Zambia: A cluster trial	2015–2020	Sandøy, Ingvild Fossgard	NFR	Zambia
Competing discourses impacting girls and womens rights: Fertility control and safe abortion in Ethiopia, Tanzania and Zambia SAFEZT	2016–2018	Blystad, Astrid	NFR	Ethiopia, Tanzania, Zambia
Randomized Phase III Clinical Trial Assessing a Supraglottic Device versus Face-Mask Ventilation in Neonatal Resuscitation in Africa	2016–2019	Tylleskär, Thorkild	NFR	Mozambique, Uganda
Strengthen Health Economics Capacity at Bergen and MUHAS	2017–2021	Robberstad, Bjarne	SIU	Tanzania
Strengthening Health Systems and health care implementation through Network based graduate training and research education in Zambia	2017–2022	Robberstad, Bjarne	SIU	Zambia

PROJECT TITLE	DURATION	PROJECT LEADER	FUNDING SOURCE	MAIN COUNTRIES
Disease Control Priorities - Ethiopia	2016–2020	Norheim, Ole Frithjof	Bill&Melinda Gates Foundation	Ethiopia, USA
The effect of Vitamin B12 supplementation in Nepali Infants on Growth and Development	2014–2018	Strand, Tor A	Thasher Research Found	Nepal, USA
Save the children Finland	2017–2018	Engebretsen, Ingunn M. S.	Save the Children Finland	Finland
Vitamin B12 og hjerneutvikling hos barn i Nepal	2017–2018	Strand, Tor A	GC Rieber fondet	Nepal
IPTp with dihydroartemisinin-piperaquine and azithromycin for malaria, sexually transmitted and reproductive tract infections in pregnancy in high sulphadoxine-pyrimethamine resistance areas in Kenya, Malawi and Tanzania	2017–2020	Robberstad, Bjarne	EU	Kenya, Malawi, Tanzania, Europe
Innovation to Scale? Formative Dialogue Research in Visjon 2030 Projects	2017–2021	Van den Bergh, Graziella	NFR	Tanzania

The main aim for CIH is to do research and capacity building in low- and middle income countries.



Low- and middle income countries where CIH have partnerships/collaborations. Burkina Faso, Democratic Republic of the Congo, Ethiopia, Ghana, Guatemala, India, Kenya, Malawi, Mozambique, Nepal, Pakistan, South Africa, South Sudan, Tanzania, Uganda, Zambia. Map: colourbox.com

2.3 CENTRE FOR INTERVENTION SCIENCE IN MATERNAL AND CHILD HEALTH (CISMAC)

CISMAC is a Centre of Excellence funded by the Research Council of Norway and the University of Bergen, and has its own annual report. Here, CISMAC's Director, Halvor Sommerfelt writes that the Centre is now finishing a successful first five years of cutting-edge and high quality intervention research. During this period, Centre researchers initiated ten randomized controlled trials to evaluate promising maternal, newborn and child health interventions. Some of these trials are approaching completion, and in 2017 CISMAC substantially expanded its research portfolio with 3 new projects as well as 4 important spin-off studies.

CISMAC engages early with low- and middle-income country (LMIC) health authorities as well as with the World Health Organization to effectively translate its research results into policy and practice. All projects include significant capacity-strengthening activities, in the four Norwegian partner institutions as well as in LMIC research organizations.

CISMAC's Executive Committee highlighted that the Centre's research results are of high scientific quality and can thereby be used to guide policy and develop strategies to enhance maternal, newborn and child health, survival and development. It underlines that an integral part of CISMAC's work is to strengthen technical research competence and skills in Norway and in partner countries. They write that in recognition of the Norwegian authorities' emphasis on evidence-based decision-making and on capacity strengthening in low- and middle-income countries, it is the Centre's hope that its activity will make an important contribution to the focus and efficiency of Norway's Overseas Development Cooperation.

Per Bakke, the Dean of the Faculty of Medicine at the University of Bergen and the Chair of the CISMAC Board, writes that CISMAC's research is at the heart of the University of Bergen's Global Challenges Strategy and that the Centre plays a pivotal role in the university's focus on cutting-edge global health and development research, both in terms of the issues addressed and the quality of the science. He adds that CISMAC has also created excellent opportunities for PhD and postdoctoral fellows to participate in the meticulous and systematic design, planning and implementation activities that are required to conduct high quality intervention research. CISMAC also gives postdoctoral fellows and other young researchers an opportunity to lead studies or study subcomponents, under the guidance of leading experts in the field.

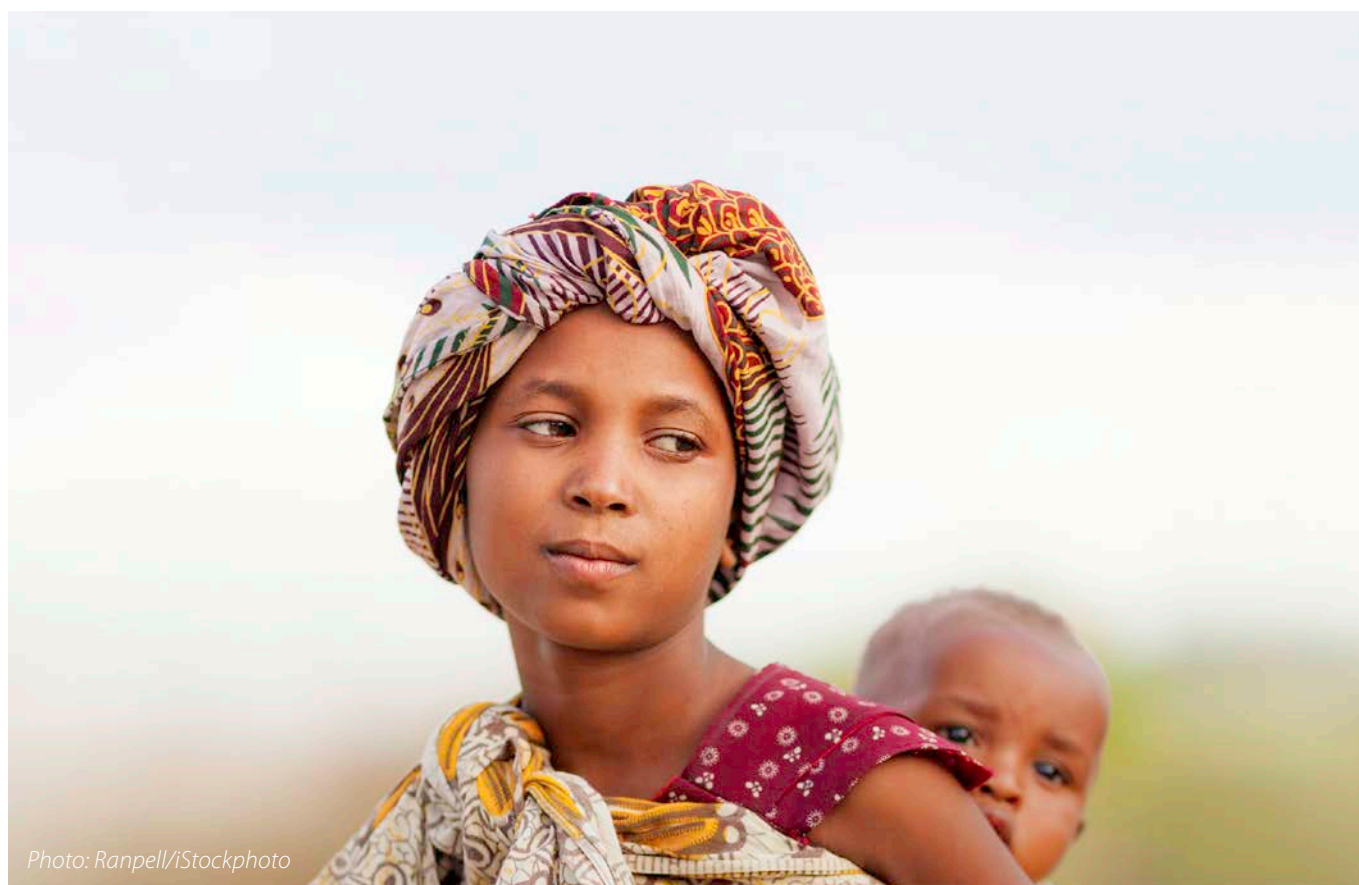


Photo: Ranpell/iStockphoto

3. EDUCATION AND COMPETENCY BUILDING

EDUCATION

Master programme in Global Health

This year was the first year CIH offered the Master in Global Health programme. This Master programme was established by merging two previous Master programmes, International Health and Oral Sciences. CIH is very excited about these changes. It should make the programme more sustainable and CIH will continue to improve and revise the curriculum in the coming years.

Online courses

For the first time, CIH offered an online course in “Global Tuberculosis Epidemiology and Intervention”. The course was led by Professors Tehmina Mustafa and Sven Gudmund Hinderaker. It was developed as a part of an Erasmus+ project, in cooperation with Queen Margaret University in Edinburgh and KIT Royal Tropical Institute in Amsterdam. The project explores “virtual mobility” for students instead of physically moving between institutions. It combines the Erasmus advantage of giving students access to international expertise at different academic institutions, but avoids the administrative challenges of physical travel and residence. The pilot project involves 24 students, 8 from each institution. The project group plans to submit another project proposal for the next Erasmus period to build on the current project’s experiences.

Medical student elective in Global Health

CIH has been responsible for organising an elective course in Global Health since 2008. Most take a 2-month field experience abroad as part of the course. Sven Gudmund Hinderaker is the current course leader for this popular elective.

The Faculty of Medicine at UiB undertook a thorough re-organisation of its medical studies curriculum, to better equip students to address the explosive developments ongoing in medical knowledge, and the changing demands and expectations of the roles doctors play in health systems. The new programme started in autumn 2015, and resulted in a very large elective group in 2016. However, because of semester course changes in the new curriculum, the elective was not offered in 2017, but will be offered again in 2018, and thereafter once per year.

Massive Open Online Courses (MOOCs)

Researchers at CIH have been involved in the development of 2 MOOCs. Both are available on the platform, FutureLearn.

OCCUPATIONAL HEALTH IN DEVELOPING COUNTRIES

CIH's first foray into Massive Open Online Course education was led by Bente Moen with the course, "Occupational Health in Developing Countries". It was awarded UiB's top education prize, the Owl Award for 2017, as well as the prize for Internationalisation in Education at the Faculty of Medicine. The course was designed to provide basic information about occupational health, and particularly targeted health personnel and policy makers in low- and middle-income countries, where such training is not available.

Around the world, workers are dying in needless work-related accidents or diseases. Better knowledge and education could prevent many of these tragic and costly events. Bente Moen spear-headed the collaborative effort to develop the MOOC. The course has been offered twice a year since 2016, and thus far has been taken by ~12 000 students from over 150 different countries.



Bente Elisabeth Moen receives the Owl Prize from UiB rector Dag Rune Olsen. Photo: Emil W. Breistein

MEDICAL PEACE WORK

Led by Ingvild Fossgard Sandøy, the MOOC aims to provide healthcare professionals with more knowledge about the vital role healthcare plays in violence prevention and peace-building both globally and locally. Course participants will learn more about recognising and responding to signs of domestic violence or torture in clinical practice; providing appropriate healthcare in conflict areas and for refugees; and, prepare for the health effects of climate change and nuclear war. Offered twice in 2017, nearly 3000 students registered in total for the course.

BSRS

CIH researchers have continued to be actively involved in producing courses for UiB's Bergen Summer Research School, held in June of every year. In 2017, this effort was led by Ingunn Marie S. Engebretsen, and entitled, "Mental Health and Child Development in Societies of Change".



BSRS group 2017. Photo: Paul S. Amundsen

CIH Research School

PhD candidates are very important at CIH. Currently there are 59 candidates enrolled at CIH in a PhD programme. In addition, there are 7 PhD candidates enrolled in the joint degree programme, described below, with Hawassa University. In 2017, CIH began an initiative to profile this important research activity more visibly. The goal is to produce a web page describing the research activity of each PhD candidate! Solomon Kebede Gebremeskel and Elinor Bartle are involved with this work.

Hallgeir Kismul has been responsible for leading the Research School activities this year. There have been a number of Wednesday seminars on various topics, including PhD research projects. There has also been a two-day seminar on Effective Poster Writing. This was held at Alver Hotel. Sven Gudmund Hinderaker, Hallgeir Kismul, Bente Moen, and Gunhild Koldal led the seminar, which was attended by 10 PhD candidates.

Joint Degrees – PhD

CIH has been involved in a joint-degree PhD programme with Hawassa University in Ethiopia for 3 years. A total of 18 candidates have been enrolled thus far in the programme. Bernt Lindtjørn coordinates the programme with funding from the South Ethiopia Network of Universities in Public Health (SENUPH) and the Norwegian Program for Capacity and Development in Higher Education and Research for Development (NORHED). Using the model of the joint degree programme established with Makerere University in Uganda, Lindtjørn says that the goal is to gradually empower Hawassa University to start its own PhD programme.

A joint PhD programme means that it is conducted by two degree awarding institutions. Joint degree candidates must comply with admission and assessment requirements of both universities. Successful candidates are awarded one joint PhD diploma with the two university logos.

3.1 COMPLETED MASTERS

NAME	TITLE OF THESIS
Amalie Aase Boge	"A girl's fertility is not her own". Perceptions and experiences of contraceptive-use and family planning among women in Zanzibar
Feven Girma	Femur Bone Fracture Treatment in Addis Ababa, Ethiopia: A Cost-effectiveness Analysis
Mwila Lundamo	Adolescent's perceptions of masculinity and femininity in the context of sexual and reproductive health in Southern Province, Zambia
David Mukunya	"We shall count it as a part of kyogero". The acceptability of chlorhexidine for umbilical cord care in the cultural context of Central Uganda
Doreen Pamba	Secrecy, shame and ambivalence in adolescent pregnancy prevention. Experiences from Mbeya, Tanzania
Maija Rankinen	"To become independent and remain independent". Living with mobility impairments in rural Peru



Professor Ingunn Marie S. Engebretsen lecturing a group of students at CIH. Photo: Ingunn Marie S. Engebretsen

3.2 CANDIDATES IN MASTER PROGRAMMES

BEGINNING IN 2015 (15–17)	BEGINNING IN 2016 (16–18)	BEGINNING IN 2017 (17–19)
Hassan Abdelraouf, Mohamed Ali	Alhousain, Mohamad Hashem	Ahmed, Rahima Shikur
Awealom, Akeza	Baniya, Suraj	Akter, Mahnaj
Boge, Amalie Aase	Baral, Dibash	Belete, Wondesen Nigatu
Deleta, Samuel Darge	Ben Mohamed, Fatima Zohra	Caglar, Ege Su
Dullie, Luckson	Gajurel, Rashmi	Chen, Hongyu
Gaafar Mohamed, Nuha Mohamed	Jensen, Elise	Hassan, Shoab
Girma, Feven	Kapali, Akash	Isaksen, Katja
Hurissa, Mengistu Bekele	Khabiri, Mahsa	Khammash, Mawia
Lundamo, Mwila	Kleppe, Amalie Kaldefoss	Kristensen, Hannah Rigitze
Mohamed, Nazar	Munir, Arooj	Lamp, Marte Bodil Rød
Mukunya, David	Olow, Khadija Hassan	Mirutse, Mizan Kiros
Nima, Dawit Desalegn	Rahmani, Yahya Khan	Mohammed Ali, Iman
Pamba, Doreen	Riaz, Sabia Huma	Musta, Laura
Paul, Israel	Saleem, Ragda	Nnko, Asnath
Roro, Meselech Assegid	Ugelvik, Gunhild Stølen	Saha, Shuvashis
Shrestha, Jasmin		Sahan, Yoldas
Sitali, Lungowe		Samad, Saima
Tumuhamye, Josephine		Shrestha, Soni
		Tanko, Katumi

3.3 MEDICAL STUDENTS IN RESEARCH PROGRAMME

STUDENT	SUPERVISOR
Grønvik, Taran	Sandøy, Ingvild
Halvåg, Ragnhild Sørboen	Blystad, Astrid/Moland, Karen Marie/Kiserud, Torvid
McLean, Emily	Blystad, Astrid/Moland, Karen Marie
Pannu, Mehmajeet Kaur	Robberstad, Bjarne
Skylstad, Vilde	Engebreetsen, Ingunn M. S.
Solheim, Ingrid Holm	Blystad, Astrid/Moland, Karen Marie
Svege, Sarah	Robberstad, Bjarne/Lange, Siri
Olsen, Maria	Norheim, Ole F./Solomon, Memirie

3.4 DOCTORAL DEGREES AWARDED



Ulesido, Fekadu Massebo

"Malaria vectors in southern Ethiopia. Some challenges and opportunities for vector control".
Defence: 31 January, 2017

Fekadu Massebo Ulesido is a university lecturer at the Department of Biology at Arba Minch University in Ethiopia. His studies are part of CIH's activity to strengthen malaria research in southern Ethiopia.

Supervisor: B. Lindtjörn



Hangoma, Peter

"Social Protection, Health Risk, and Household Welfare in Zambia". *Defence: 3 May, 2017*

Peter Hangoma obtained his undergraduate degrees from the University of Zambia. He is a Lecturer at the university's School of Public Health, where he heads the Department of Health Promotion, Economics and Policy. He also teaches at Department of Economics in the School of Humanities and Social Sciences.

Supervisor: B. Robberstad



Nigatu, Amare Workiye

"Respiratory health and acute pesticide intoxications among workers in the flower farm industry in Ethiopia". *Defence: 30 May, 2017*

Amare Workiye Nigatu completed his undergraduate education in both the Netherlands and Ethiopia. His PhD degree was funded under the Quota Scheme. He worked as a member of the research group Occupational and Environmental Medicine in Developing Countries at CIH.

Supervisors: B. Moen/M. Bråtveit



Kirunda, Tebagalika Barbara Eva

"Body weight and physical activity of adults in rural Uganda". *Defence: 16 June, 2017*

Barbara E. Kirunda completed her undergraduate education at Makerere University in Uganda. She is an Associate Lecturer at the Section for Epidemiology and Biostatistics at the university's Department of Public Health.

Supervisor: T. Tylleskär



Katirayi, Leila

"Experiences of the Prevention of Mother to Child Transmission of HIV program in Southern Africa: A three country qualitative study". *Defence: 22 June, 2017*

Leila Katirayi is from the USA. She took her Master degree at Lund University in Sweden. She is a researcher with the Elizabeth Glaser Paediatric AIDS Foundation.

Supervisors: K. M. Moland/T. Tylleskär



Hamusse, Shallo Daba

"Tuberculosis Control in Arsi in Ethiopia: Programme Performance and Disease Burden".
Defence: 4 September, 2017

Shallo Daba Hamusse is from Arsi in central Ethiopia. He completed his Master degree at the University of Amsterdam. He is currently the Director of the HIV/AIDS Prevention and Control Office in Ethiopia.

Supervisor: B. Lindtjörn



Ramokolo, Vundli

"Growth of HIV-exposed and HIV-unexposed children in South Africa: Anthropometric nutritional status and growth rates". *Defence: 4 December, 2017*

Vundli Ramokolo completed her undergraduate studies in South Africa. She currently works at the Medical Research Council in Cape Town.

Supervisor: Ingunn M. S. Engebretsen




Schwinger, Catherine

"Growth velocity of young children in two low-resource settings: Patterns and abilities to predict negative health outcomes". *Defence: 12 December, 2017*

Catherine Schwinger is from Germany. Her background is in sports medicine and she has studied overweight and obesity in pre-school children. Her research interests include nutrition, physical activity, epidemiology, reproductive health and public health.


Supervisor: T. Strand



Aakre, Inger “Excessive iodine status among refugee women and children from Western Sahara. – Possible impact on thyroid function and developmental status”. *Defence: 15 December, 2017*

Inger Aakre is Norwegian. Her academic background is in nutrition. Her PhD involves both the University College of Oslo-Akershus (HiOA), as well as CIH/UiB.

Supervisor: T. Strand




Kibira, Simon Peter Sebina “Male circumcision, sexual risk behavior and HIV infection in Uganda”. *Defence: 19 December, 2017*

Simon Peter Sebina Kibira was born in Uganda. He is a lecturer at Makerere University in Uganda, where he completed his undergraduate studies.

Supervisor: I. F. Sandøy

GLOBAL CHALLENGES



Nhamo, Ancila “Characterizing hunter-gatherer rock art: An analysis of spatial variation of motifs in the prehistoric rock art of Zimbabwe”. *Defence: January 2017*

Archaeology unit, department of History, University of Zimbabwe.

Supervisor: T. Sætersdal

3.5 PHD CANDIDATES

NAME	PROJECT TITLE	SUPERVISOR	CO-SUPERVISOR(S)
Akol, Angela	Evaluating entry into mental health services for children and adolescents in Uganda by primary health care workers and traditional healers: A cluster randomised trial in Eastern Uganda	Engebretsen, Ingunn	Moland, K./Babirye, J.
Asgedom, Akeza Awealom	Dust exposure and associated respiratory health problems among particleboard workers in Ethiopia	Moen, Bente E.	Bråtveit, Magne
Ayana, Taye Gari	Malaria Prevention in south Ethiopia	Lindtjørn, Bernt	Deressa, Wakgari/ Loha, Eskindir
Balikuddembe, Michael	LaD Tracker: A Smart Way to Escape the Illusion of Partography in Labour and Delivery	Tylleskär, Torkild	Wakholi, Peter
Binyaruka, Peter John	Effect of Pay-For-Performance Scheme on Continuum of Care and Equity in Tanzania	Torsvik, Gaute	Robberstad, B./Borghini, J.
Blume, Jörn	Challenges in daily infant peri-exposure prophylaxis (PEP) to HIV-exposed uninfected infants	Tylleskär, Torkild	Wang, Siri
Bungudo, Binyam Bogale	A study of Individualized Automated Feedback for Behavior Change Communication for Women Registered within Electronic Registries for Maternal and Child Health	Frøen, Frederik	Blom-Bakke, Kjersti
Chinkhumba, Jobiba	Cost-effectiveness of performance based financing for promoting mother to child health in Malawi	Robberstad, Bjarne	de Allegri, Manuela
Chokotho, Linda	Quality of Life and Functional Status of Patients with Femoral Shaft Fractures Treated with Intramedullary Nailing Compared to Patients Treated Conservatively: A Cohort Study	Young, Sven	Gjertsen, Jan-Erik/Hallan, Geir/ Mkandawire, Nyengo
Chowdhury, Ranadip	Predictors of neonatal and post-neonatal morbidity, care-seeking behaviours and mortality	Strand, Tor	Taneja, Sunita
Dullie, Luckson	Contribution of family medicine to improving health systems in Africa	Gjesdal, Sturla	Meland, E./Mukherjee, J./ Mildestvedt, T.
Dhingra, Usha	Evaluation of chlorhexidine cord care in first 10 days among newborns in Pemba Island on neonatal mortality and cord infections	Nankabirwa, Victoria	Sommerfelt, Halvor/Murdoch, David/Sazawal, Sunil

NAME	PROJECT TITLE	SUPERVISOR	CO-SUPERVISOR(S)
Haaland, Marte Emilie Sandvik	The politics of abortion: An ethnographic study of the sociopolitical dimensions of access to fertility control and safe abortion in Zambia	Blystad, Astrid	Moland, Karen Marie/ Haukanes, Haldis
Hailu, Alemayehu	Economic evaluation of malaria prevention intervention: combining indoor residual spraying and long-lasting insecticidal nets; cluster randomized controlled trial in Ethiopia	Robberstad, Bjarne	Lindtjørn, Bernt
Haugen, Johanne	Influenza, Respiratory infections, Immunity and Zinc	Strand, Tor	Dudman, Susanne/ Mathisen, Maria
Hoel, Ida Marie	Improving diagnosis of extrapulmonary tuberculosis by implementation of a sensitive and specific assay in routine tuberculosis diagnostics	Mustafa, Tehmina	Sviland, Lisbet/Wiker, Harald
Hussain, Hamidah Farid	The effectiveness and cost-effectiveness of tuberculosis care through a public-private partnership in Pakistan	Robberstad, Bjarne	Tylleskär, Thorkild
Höök, Susanna Myrnerets	M-health and new ways to support performance and decision-making during neonatal resuscitation	Tylleskär, Torkild	Alfvén, Tobias
Imseeh, Sawzan	Automated electronic feedback to healthcare providers within individual case-based eRegistries for maternal and child health in Palestine: A cluster randomized controlled trial.	Frøen, Frederik	Hamdan, Motasem
Jørstad, Melissa Davidsen	Improved diagnosis of tuberculosis by antigen detection from sputum and extrapulmonary samples by immunochemistry-based assays	Mustafa, Themina	Sviland, Lisbet
Kampata, Linda	Adolescent childbearing and contraceptive use in Zambia: trends, socio-economic patterns, and equity effects and cost benefits of an empowerment programme	Sandøy, Ingvild	Fylkesnes, Knut
Klungsoyr, Jørn Ivar	OMECT (Open Mobile Electronic Clinical Trials), an interdisciplinary project to improve quality of health research in low-resource settings	Tylleskär, Thorkild	Chen Weiqin
Kühl, Melf-Jakob	Turning Knowledge into Action under the Global Agenda 2030: the potential of implementation research to inform scaling-up of disease prevention in children	Robberstad, Bjarne	Engebretsen, Ingunn
Langat, Agnes	The loss of HIV exposed infants in care and its contribution to continued HIV transmission in Kenya.	Tylleskär, Thorkild	John-Stewart, Grace
Lungowe, Sitali	Malaria species distribution, diagnosis and falciparum artemisinin resistance in Southern Zambia	Lindtjørn, Bernt	
Mangu, Chacha	Implementation of a new laboratory-based test to improve the diagnosis of extrapulmonary tuberculosis in Tanzania	Mustafa, Themina	Sviland, Lisbeth/ Mfinanga, Sayoki
Mugisha, Alice	Adoption and Development Methodologies for Mobile Health Continuum Care Solutions	Tylleskär, Torkild	Sæbø, Johan Ivar
Muhumuza, Julius	The epidemiology and diagnosis of mycobacterial disease in Tanzania	Hinderaker, Sven Gudmund	Mfinanga, Godfrey Sayoki
Mukunya, David	Newborn care practices in Lira district, Northern Uganda: Prevalence, predictors, promoters and associated Morbidity	Tylleskär, Thorkild	Tumwine, James/ Moland, Karen Marie
Mulwafu, Wakisa	Integration of ear and hearing care into primary health care through training of Primary Health Care Workers	Viste, Ausgaut	Golpen, Frederik/ Cooper, Hannah
Mwogi, Thomas Sang	Evaluation of Laboratory Workflow Process of a National Referral Hospital and Application of Relevant Health Informatics Solutions	Were, Martin (Moi University)	Tylleskär, Thorkild
Nakazwe, Chola	Assessing the changing HIV Epidemiology in Zambia: Using a National Population Based Survey Conducted in Zambia	Fylkesnes, Knut	Sandøy, Ingvild
Namakula, Rhoda	Examining adaptive and innate immunity in HIV exposed uninfected children	Hanevik, Kurt	Cose, Stephen/ Nankabirwa, Victoria
Namugga, Olive	Severe illness among infants in Uganda	Nankabirwa, Victoria	Sommerfelt, Halvor
Ndolumingu, Faustin Kitetele	Mental health and HIV among children in the Democratic Republic of Congo	Kashala Abotnes, Espérance	Tylleskär, Thorkild/ Mananga Lelo
Ngoie, Leonard Banza	Hip fractures in Malawi. Reported outcomes after non-operative treatment. Estimate of prevalence of musculoskeletal impairment in the Malawi population	Young, Sven	Gjertsen, Jan Erik/Hallan, Geir/ MicNDwire, Nyengo

NAME	PROJECT TITLE	SUPERVISOR	CO-SUPERVISOR(S)
Nima, Dawit Desalegn	Increasing awareness, skills and knowledge in medical ethics among Ethiopian health workers to build a caring, respectful and compassionate health system	Miljeteig, Ingrid	Norheim, Ole Fritjof
Nkosi-Gondwe, Thandile	Severe anemia in Malawian children	Blomberg, Bjørn	Phiri, Kamija
Nyarubeli, Paul Israel	Occupational noise exposure levels and hearing loss among iron and steel	Moen, Bente E.	Bråtveit, Magne/ Tungu, Alexander
Pejovic, Nicolas	Advanced interventions to improve neonatal outcome after intra-partum related events in low-resource settings: the role of LMA	Tylleskär, Torkild	Blennow, M/Ersdal, H/Alvén, T
Pervin, Jesmin	Mobile phone communication strategies and antenatal care utilization. A mixed-method study in rural Matlab, Bangladesh	Friberg, Ingrid	Frøen, Jahn Frederik/ Rahman, Anisur
Pérez Barrionuevo, Antonio	The role of oral health and microbiome in respiratory health. A project based on the RHINESSA study	Svanes, Cecilie	Bertelsen, Randi/ Åstrøm, Anne N.
Riro, Matiko Solomon	Economic studies of using Dihydroartemisinin-Piperaquine, with and without Azithromycin, as an alternative to Sulphadoxine-Pyrimethamine for Intermittent Preventive Treatment in pregnancy for the control of malaria and co-infections in pregnancy in Kenya	Robberstad, Bjarne	Hill, Jenny
Rongsen-Chandola, Temsunaro	Predictors of poor immune response to Rotavirus Vaccine in Infans	Strand, Tor A	Bhandari, Nita
Roro, Meselech	Malaria in pregnancy: a community based cohort	Lindtjørn, Bernt	Deressa, Wakgari
Rutagwera, Gatsinzi David	Cell-associated viral reservoirs and the risk of HIV-1 transmission through breast milk	Tylleskär, Torkild	Molés, Jean-Pierre/ Tuailon, Edouard
Sanou, Anselme Simeon	Child development in Burkina Faso: Neuro-cognitive assessment in a rural community-based cohort children	Tylleskär, Torkild	Diallo, A./Kashala-Abotnes, E.
Shanka, Tarekegn Solomon	Malaria Epidemiology and Prevention in Southern Ethiopia	Lindtjørn, Bernt	Shumbullo, Eskindir Loha/ Amente Wikiri
Shrestha, Sanjaya	Astro virus and Non Polio Enterovirus carriage and association with diarrhea in a long term cohort study in children from a large community in Nepal	Strand, Tor	Vainio, K/Andreassen, Å/ Dudman, S
Sinha, Bireswar	Effect of community initiated kangaroo mother care in low birth weight infants on infant breast milk intake, gut inflammation, maternal depressive symptoms and stress	Sommerfelt, Halvor	Bhan, Maharaj Kishan/ Bhandari, Nita/ Bahl, Rajiv
Some, Nagaonlé Eric	Breastfeeding patterns and mothers' health in HIV context in Sub-Saharan Africa	Tylleskär, Torkild	Ingebretsen, Ingunn
Tahseen, Sabira	Use of a robust immunochemistry based test in routine clinical laboratory practice for improving diagnosis of extra-pulmonary tuberculosis: experience from Pakistan.	Mustafa, Tehmina	Sviland, Lisbet/ Safdar, Nauman
Tiam, Appolinaire	Assessing the effectiveness of innovative approaches to support the prevention of mother to child transmission of HIV-1 in resource-limited settings: the case of Lesotho	Tylleskär, Torkild	Guay, Laura
Tongun, Justin Bruno	Perinatal Mortality Juba Teaching Hospital	Tylleskär, Torkild	
Tumuhameye, Josephine	Etiology of umbilical infection, severe bacterial illness, antibiotic resistance and associated risk factors in Newborns in Lira district, Northern Uganda	Nankabirwa, Victoria (Makerere University)	Sommerfelt, Halvor/ Bwanga, Freddie/ Tumwine, James
Varela, Carlos	Surgical burden and resource evaluation in Malawi	Viste, Asgaut	Mkandawire, Nyengo/ Groen, Reinou/Young, Sven
Venkateswaran, Mahima	A study of interactive checklist with clinical decision support within individual case-based eRegistries for maternal and child health	Frøen, Frederik	Norheim, Ole Fritjof
Waatevik, Marie Johanne	Physical activity and disease prognosis in COPD patients	Johannesen, Ane	Eagan, Tomas/Real, Francisco/ Frisk, Bente
Waruru, Anthony	Geo-spatial relationships to HIV prevention and treatment: coverage, trends and impact in Kenya	Tylleskär, Torkild	Thomas Achia
Woldesemayat, Endrios Markos	Active case finding of TB in southern Ethiopia: use of TB suspect registry and effect of indoor air pollution in the incidence of TB	Lindtjørn, Bernt	Daniel Datiko
Ødegård, Christine	Medication free treatment in psychosis: The meaning of choice for people with psychosis – A qualitative exploration	Engebretsen, Ingunn	Veseth, Marius/Stige Brynjulf

JOINT DEGREE WITH HAWASSA UNIVERSITY

Dinage, Mehretu Belayneh	Seasonality and spatial distribution of malnutrition and treatment outcome of acute malnutrition among children aged 6–59 months in Boricha, Southern Ethiopia.	Lindtjørn, Bernt	Loha, Eskindir
Kabalo, Bereket	Seasonal variation in food insecurity and undernutrition in rural Wolaita in Southwest Ethiopia	Lindtjørn, Bernt	Johansson, Kjell/Loha, Eskindir
Orsango, Alemselem	Preventing iron deficiency anemia: Evaluation of amaranth grain supplementation to 24.0–59.9 month old children in southern Ethiopia, a randomized controlled trial	Engebretsen, Ingunn	Lindtjørn, Bernt/ Shumbulo, Eskindir
Tadesse, Moges	Maternal and neonatal illness, health service utilization, and household expenditure in rural Ethiopia: A community based prospective cohort study	Lindtjørn, Bernt	Johansson, Kjell/Loha, Eskindir
Alako, Samrawit	Common childhood illness and health service utilization in Wonago district, south Ethiopia. A community based cohort study.	Lindtjørn, Bernt	Johansson, Kjell Arne/ Astatike, Ayalew
Amare, Hiwot	Assessment of school health problems in Gedeo Zone, Southern Ethiopia.	Lindtjørn, Bernt	Abegaz, Teferi
Alemayehu, Sewhareg Belay	Intimate partner violence during pregnancy: Its effect on neonatal outcomes and assessment of knowledge and attitudes of Health care professionals towards intimate partner violence in Sidama zone, south Ethiopia	Hinderaker, Sven Gudmund	Emmelin, Maria/ Tefera, Ayelew Astakie



The Norwegian Research School of Global Health (NRSGH) arranged a PhD conference for students from Norwegian universities at Stiklestad. Photo: Thorkild Tylleskär.

4. PEOPLE

4.1 SCIENTIFIC PERSONNEL

People have many types of affiliations to CIH. The list below shows the scientific personnel who are formally employed at the centre, with a few exceptions (explained in brackets).

PERMANENTLY EMPLOYED:

Blystad, Astrid	Professor (IGS employed)
Engebreetsen, Ingunn Marie S	Professor
Hinderaker, Sven Gudmund	Professor (80%)
Lindtjørn, Bernt	Professor
Moen, Bente Elisabeth	Professor
Moland, Karen Marie	Professor
Mustafa, Tehmina	Professor (50%)
Norheim, Ole Frithjof	Professor (IGS employed)
Robberstad, Bjarne	Professor
Sommerfelt, Halvor	Professor
Svanes, Cecilie	Professor (50%)
Tylleskär, Thorkild	Professor
Sam, David Lackland	Professor (Psychology)

TEMPORARILY EMPLOYED:

Abotnes, Espérance Kashala	Post doctor RCN
Basnet, Sudha	Post doctor (50%)
Blume, Jörn	PhD candidate UiB
Fadnes, Lars Tore	Post doctor (IKO employed)
Frøen, Jahn Fredrik	Professor II (20%)
Haaland, Marte	From admin to PhD
Hatløy, Anne	Associate professor (40%)
Hoel, Ida Marie	PhD candidate UiB
Höök, Susanne M	PhD candidate RCN
Johannessen, Ane	Researcher (70%)
Kismul, Hallgeir	Associate professor (50%)
Lønnebotn, Marianne	PhD candidate Helse Vest
Mirkuzie, Alemnesh	Post doctor (until March 2017)
Mori, Amani Thomas	Post doctor RCN

Musonda, Patrick	Project leader
Nankabirwa, Victoria	Post doctor RCN
Pejovic, Nicolas	PhD candidate RCN
Perez Barrionuevo, Antonio Manuell	PhD candidate UiB
Sandøy, Ingvild Fossgard	Post doctor UiB (50%)
Schwinger, Catherine	PhD candidate UiB
Steinsland, Hans	Researcher
Svanemyr, Joar	Post doctor UiB (75%)
Strand, Tor A.	Adjunct professor (20%)
Van Den Bergh Graziella	Associate professor (20%)
Visweswariah, Sandya S	Professor (10%)

OTHER

Fylkesnes, Knut Martin	Professor emeritus
Kvåle, Gunnar	Professor emeritus
Nilsen, Rune	Professor emeritus
Bjorvatn, Bjarne	Professor emeritus



Strategy Day at Mount Fløyen. Photo: Elinor Bartle

4.2 ASSOCIATED SCIENTIFIC PERSONNEL

Kahtan **Al-Azawy**, HUS
 Kjersti **Alsaker**, HVL
 Per **Bakke**, Dean MED
 Stefi **Barna**, UEA, NORWICH
 Valborg **Baste**, UNI Research
 Randi J **Bertelsen**, K2, UiB
 Bjarne **Bjorvatn**
 Gunnar **Bjune**
 Magne **Bråtveit**, IGS
 Asgeir **Bårdsen**, IKO
 Karin Lødrup **Carlsen**, UiO
 Daniela **Costea**, K1, UiB
 Jutta **Dierkes**, K1, UiB
 Anne Ma **Dyrhol-Riise**, HUS
 Maria **Emmelin**, Lund University
 Ferda **Gülcan**, IKO
 Håkon **Gjessing**, FHI/IGS
 Sturla **Gjesdal**, IGS
 Truls **Gjestland**, SINTEF
 Siri **Gloppen**, CMI/UiB
 Geir **Halland**, HUS
 Harleen **Grewal**, K2, UiB
 Rolf **Hanoa**, IGS
 Haldis **Haukanes**, Faculty of Psychology
 Sigrun **Henjum**, HiOA
 Bjørn **Hofmann**, UiO
 Bjørg Eli **Hollund**, YMA, HUS
 Lone **Holst**, IGS
 Mari **Hysing**, Uni Research
 Tane Holm **Høisæter**, DigUiB
 Frode **Ims**, DigUiB
 Frode Fadnes **Jacobsen**, HVL
 Anne Christine **Johannessen**, K1 UiB
 Kjell Arne **Johansson**, IGS
 Torvid **Kiserud**, HUS/UiB
 Siri **Lange**, HEMIL, UiB/CMI
 Nina **Langeland**, Dean MED
 Gro Therese **Lie**, Professor Emerita, Psychology, UiB
 Reidar **Lie**, Faculty of Humanitie, UiB
 Rolv Terje **Lie**, IGS
 Ola **Lind**, HUS
 Frode **Lindemark**, HUS
 Maria **Mathisen**, UNN
 Eivind **Meland**, IGS
 Ingrid **Miljeteig**, IGS
 Ottar **Mæstad**, CMI
 Hans Kristian **Maridal**, Helse Møre og Romsdal
 Klaus **Melf**, Uni Research
 Thera **Mjåland**
 Kamal **Mustafa**, IKO
 Ole Jacob **Møllerløyken**, IGS
 Catherine **Namulindwa**, Malta
 Elwalid Fadul **Nasir**, IKO
 Øystein Evjen **Olsen**, SUS
 Ernst **Omenaas**, HUS
 Hans **Overgaard**, NMBU
 Odd **Pettersen**, SINTEF
 Pål **Puntervoll**, Uni Research
 Francisco Gomez **Real**, HUS
 Ole Bjørn **Rekdal**, HVL
 Trond **Riise**, IGS
 Kristin **Rygg**, NHH
 Guri **Rørtveit**, IGS
 Bjarte **Sanne**, Førde BUP
 Kathrine **Skarstein**, K1, UiB
 Rolf **Skjærven**, IGS
 Steinar **Skrede**, HUS
 Marion **Solheim**, MED
 Arne **Strand**, CMI
 Johanne **Sundby**, UiO
 Stefan **Sütterli**, HiØ
 Lisbet **Sviland**, HUS/K1 UiB
 Heidi **Syre**, Helse Fonna/UiB
 Erik Joakim **Tranvåg**, IGS
 Bertil **Tungodden**, NHH/CMI
 Elin **Vestbøstad**, HVL
 Kari **Vik**, ABUP
 Magnus **Vollset**, AHKR
 Adi **Vyas**, Norwich Medical School
 Bodil Bø **Våga**, UiS
 Sven **Young**, HUS/Malawi
 Harald **Wiker**, K2, UiB
 Annegreet **Wubs**, HEMIL, UiB
 Ketil Joachim **Ødegaard**, UiB/HUS
 Arild **Aakvik**, UiB
 Birgitta **Åsjø**, UiB
 Audun **Aase**, FHI
 Henriette Sinding **Aasen**, JUS
 Anne Nordrehaug **Åstrøm**, IKO

4.3 ADMINISTRATIVE PERSONNEL

CIH is a part of Department of Global Public Health and Primary Health Care (IGS). The two share a joint administration with one overall Head of Administration. Many in administration work at least some time in both locations (CIH and Kalfarveien 31). The core administration for Centre for International Health is listed below:

Moen, Bente E.	Director/Professor at CIH
Rørtveit, Guri	Head of Department, IGS
Smith, Siri	Head of Administration, IGS

CORE ADMINISTRATION AT CENTRE FOR INTERNATIONAL HEALTH:

Alami, Mina	Apprentice (from August 2017)
Bartle, Elinor	Communication Services (60%)
Forshaw, Linda Karin	Academic Affairs, Master
Haaland, Marte Emilie Sandvik	Project administration CISMAL (until April 2017)
Hope, Ingvild	Administrative advisor
Koldal, Gunhild	Administration
Lavik, Borgny Kvalnes	Academic Affairs, Master (sick leave)
Straume, Ane	Project administration CISMAL
Vikøren, Solfrid	Project Economist
Ipek, Filz	Project Economist
Gundersen, Daniel	Consultant; Norwegian Research School (20%)

In addition, Kjell Rune Sæle has been responsible for the economy and Randi Oen for education. Both have helped CIH with these issues.

UiB Global became a part of CIH in 2017. They have their own annual report, but are a part of the CIH administration, and are therefore mentioned here:

Sætersdal, Tore	Scientific co-ordinator
Abdelrahman, Howaida F.	Senior consultant
Rø, Tord	Advisor, communication
Legreid, Ragnhild Osnes	Advisor, communication
Tesdal, Inge	Higher executive officer

In addition, the following people have been a part of UiB Global this year:

Maria Sollohub, Sylvia Duerr, Doreen Ryland, Kjersti Gravelseter Berg, Kristin Svartveit, Kristin Holst Paulsen, Wedgdan Hasha and Solomon Kebede Gebremeskel.

4.4 CIH BOARD

The CIH Board includes the Dean and all the Department leaders at the Faculty of Medicine, University of Bergen. The Board had two meetings in 2017, with two different sets of Board members:

CIH BOARD MEMBERS, JANUARY–JUNE 2017

Nina Langeland (Dean), Per Bakke (K2), Nils Erik Gilhus (K1), Anne Nordrehaug Åstrøm (IKO), Guri Rørtveit (IGS) and Rolf Reed (Biomedicine, Board Leader).

CIH BOARD MEMBERS FROM JULY 2017

Per Bakke (Dean), Marit Bakke (Vice Dean for research), Anne Nordrehaug Åstrøm (IKO, Board Leader), Kjell Morten Myhr (K1), Roland Jonsson (kst-K2), Mathias Ziegler (IBM) and Guri Rørtveit (IGS).

The Centre Director takes this opportunity to express her thanks to the Board members for the many important and interesting discussions that have been shared – always very inspiring and helpful for CIH.



Rehabilitation of Overlege Danielsens House. Photo: Bente E. Moen

5. NETWORKING

5.1 GLOBAL CHALLENGES

Global Challenges is a new priority area, located at University of Bergen (UiB). UiB has three priority areas; one of these is “Global Challenges”. The area was officially launched 15 May 2017. It is hosted at the Centre for International Health (Medical Faculty, IGS). The Deans of all seven UiB Faculties are members of the Global Challenges Steering Group and representatives from all Faculties have formed a strategic working group to promote inter-Faculty activities in this area. CIH is responsible for administrating Global Challenges, and a unit of administrative personnel is now located at CIH, to work with the strategy.

Global challenges are complex and interdisciplinary by nature. The university’s research and education activities responding to these challenges extend across different academic disciplines. During the period 2016–2022, interdisciplinary research in global challenges at UiB will focus on three primary themes: Migration, health and inequality.

The Global Challenges has their own Annual report 2017, and their own webpages: uib.no/en/globalchallenges



Howaida Faisal Abdelrahman, Nina Langeland, Dag Rune Olsen and Ingvild Hope at the opening of the Global Challenges priority area. Photo: Thorkild Tylleskär

5.2 NORWEGIAN FORUM FOR GLOBAL HEALTH RESEARCH



Bente E. Moen addressing the Forum 10-year anniversary conference. Photo: Thorkild Tylleskär

Eleven years of Forum activities have passed. All these years, CIH has been the host of the Forum secretariat. Together, we have achieved great results, bringing researchers and students in global health in Norway together. This year, Forum celebrated the 10-year anniversary. The celebration took place in Oslo 12–13 January 2017, hosted by the University of Oslo, with an interesting seminar on Migration and with a jubilation dinner in the evening.

Also, Forum has contributed substantially to the establishment of the Norwegian Research School of Global Health (NRS GH) as well as for the network Global Health Norway. NRS GH started in 2016, and the activity has been increasing in 2017. Congratulations to NTNU who runs the secretariat for NRS GH.

There will probably be changes in the Forum work in the future, as Forum must adjust formally to these new bodies of Global Health. We hope to find a good organization as this will be very beneficial for global health research in Norway. Forum wants to make a difference in the world, and it is great to work together with colleagues all over Norway.

THE FORUM BOARD 2017

Bente E. Moen, University of Bergen

Stine Hellum Braathen, SINTEF

Elisabeth Darj, NTNU

Anne Hatløy, FAFO

Frode Forland, Norwegian Institute of Public Health

Johanne Sundby, University of Oslo

Sheri Lee Bastien, Norwegian University of Life Sciences

Erik Anda, Arctic University, Tromsø

Miriam Christ, Norwegian Medical Students' Association

THE FORUM SECRETARIAT 2017

Ingvild Hope

Gunhild Koldal

Elinor Bartle

5.3 GLOBAL HEALTH NORWAY

Global Health Norway (GHN) is a newly established national arena for global health research, education and capacity strengthening. It is a network involving all the major institutions in the educational, hospital and research institute sectors in Norway, which are involved in global health. The Secretariat is currently based at Global Challenges / CIH, UiB. GHN officially opened 6 December, 2017.

THE AIMS OF THE NETWORK INCLUDE

Facilitating high quality in global health research and education in Norway
 Informing the public about Norwegian efforts and activities in global health
 Maintaining an overview of global health projects and funding opportunities
 Promoting interregional and intersectoral collaboration on research proposals
 Promoting collaboration between the hospital sector, the educational sector, the National Research Council, NGOs, the private sector and Norad

THE BOARD OF GHN 2017

Western Norway Regional Health Services, Senior Adviser Pål Iden
 Northern Norway Regional Health Services, Senior Adviser Geir Tollåli
 Mid-Norway Regional Health Services, Senior Adviser Henrik A. Sandbu
 Southeastern Norway Regional Health Services, Research Director Øystein Krüger
 University of Bergen (UiB), Dean Nina Langeland
 University of Oslo (UiO), Dean Frode Vartdal
 University of Tromsø, Vice-Dean Sameline Grimsgaard
 Norwegian University of Science and Technology (NTNU), Dean Björn Gustafsson
 Norwegian Institute of Public Health, Bjørn Iversen

OBSERVERS

Research Council of Norway, Wenche Dageid (Substitute for Åse Marit Kristiansen)
 Christian Michelsens Institutt (CMI), Administrative Director Ottar Mæstad
 Institute for Applied Research, Technology And Innovation (SINTEF), Research Director Randi Reinertsen
 Norwegian Agency for Development Cooperation (NORAD), Senior Adviser Ingvar Theo Olsen

GLOBAL
HELSE
NORGE

6. PUBLICATIONS 2017

Communicable diseases

Capileno, Yuely A.; Bergh, Raphael Van Den Bergh; Donchunk, Dmytro; **Hinderaker, Sven Gudmund**; Hamid, Saeed; Rosa, Auat; Khalid, Gul Ghuttai; Fatima, Razia; Yaqoob, Ashifa; Overhoop, Catherine Van. Management of chronic Hepatitis C at a primary health clinic in the high-burden context of Karachi, Pakistan. *PLoS ONE* 2017; Volum 12.(4)

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Global health priorities, Ethics

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GrowNut project-meeting in Oslo. Photo: Thorkild Tylleskär



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