



# ANNUAL REPORT 2016

---

CENTRE FOR INTERNATIONAL HEALTH  
// UNIVERSITY OF BERGEN

# VISION AT CENTRE FOR INTERNATIONAL HEALTH

We would like our research and teaching in  
global health to contribute to improved health  
for the poor populations in the world.

<b>FROM THE CENTRE DIRECTOR</b>	<b>3</b>
<b>1. EDUCATION HIGHLIGHTS</b>	<b>4</b>
1.1 SOME CIH HIGHLIGHTS	5
1.2 MASTER IN GLOBAL HEALTH	6
1.3 NEW RESEARCH SCHOOL IN GLOBAL HEALTH	7
1.4 MOOC IN OCCUPATIONAL HEALTH	8
<b>2. RESEARCH HIGHLIGHTS</b>	<b>10</b>
2.1 CIH PUBLICATION HIGHLIGHTS	11
2.2 NORHED PROJECTS	12
2.3 NEW STRATEGY AT THE UNIVERSITY OF BERGEN 2016–2022: GLOBAL CHALLENGES	15
2.4 NORWEGIAN GLOBAL HEALTH NETWORKS CONFERENCE	16
2.5 GLOBVAC EVALUATION	17
2.6 NEW PROFESSOR AT CIH	17
<b>3. PEOPLE</b>	<b>18</b>
3.1 SCIENTIFIC PERSONNEL AT CIH	19
3.2 ADMINISTRATIVE PERSONNEL	20
3.3 CIH BOARD	21
3.4 ASSOCIATED SCIENTIFIC PERSONNEL	21
<b>4. CANDIDATES IN COMPETENCY BUILDING PROGRAMMES</b>	<b>22</b>
4.1 COMPETENCY BUILDING CANDIDATES IN MASTER PROGRAMMES	23
4.2 MEDICAL STUDENTS IN RESEARCH PROGRAMME	23
4.3 MEDICAL STUDENTS ENROLLED IN THE GLOBAL HEALTH ELECTIVE	24
4.4 PHDs IN COMPETENCY BUILDING PROGRAMMES	25
<b>5. GRADUATES</b>	<b>28</b>
5.1 DOCTORAL DEGREES AWARDED	29
5.2 MASTER DEGREE GRADUATES	31
<b>6. MAIN PROJECTS</b>	<b>32</b>
<b>7. CISMALC</b>	<b>36</b>
CISMALC: THE UNFINISHED AGENDA	37
<b>8. PUBLICATIONS</b>	<b>38</b>

**Postal address**  
University of Bergen  
Att: Centre for International Health  
P.O. Box 7804, NO-5020 Bergen, Norway

**Visiting/Courier Address**  
Overlege Danielsens Hus, 5<sup>th</sup> floor  
Årstadveien 21, NO-5009 Bergen, Norway  
Phone +47 55 58 61 00 • [uib.no/cih/en](http://uib.no/cih/en)

# FROM THE CENTRE DIRECTOR

## Welcome to CIH!

The Centre for International Health (CIH), at the University of Bergen (UiB), is an interdisciplinary and interfaculty centre that aims to initiate and co-ordinate research, teaching and other activities of importance for the university's co-operation with countries in the poorer part of the world within the field of health.

In 2016, the University of Bergen decided that "Global Challenges" would be one of three main strategic focus areas for the coming years. This is a great opportunity for CIH. It implies support for our work from the highest level at the University. We have an important role to play in this focus area.

CIH welcomes you whether it is as a student, as a PhD candidate, as a scientist or as administrative staff to work with us to help build a better world. We want our work to have an impact!

In 2016, the artist Bob Dylan received the Nobel Prize in Literature for his song lyrics. This inspires us to return to these texts. On this page you will find lyrics from the well-known song "Blowing in the wind" from 1963. It is worthwhile to read it again – the text is still very relevant. I suggest that interdisciplinary co-operation could be the way forward to finding these answers.

Welcome to CIH! We have work to do!

Bergen March 2017

Bente E. Moen

*Director, CIH*



### Blowing in the wind – by Bob Dylan

How many roads must a man walk down  
Before you call him a man?

How many seas must a white dove sail  
Before she sleeps in the sand?

Yes, and how many times must the cannon balls fly  
Before they're forever banned?

The answer, my friend, is blowin' in the wind  
The answer is blowin' in the wind

Yes, and how many years can a mountain exist  
Before it's washed to the sea?

Yes, and how many years can some people exist  
Before they're allowed to be free?

Yes, and how many times can a man turn his head  
And pretend that he just doesn't see?

The answer, my friend, is blowin' in the wind  
The answer is blowin' in the wind

Yes, and how many times must a man look up  
Before he can see the sky?

Yes, and how many ears must one man have  
Before he can hear people cry?

Yes, and how many deaths will it take 'till he knows  
That too many people have died?

The answer, my friend, is blowin' in the wind  
The answer is blowin' in the wind.

# 1. EDUCATION HIGHLIGHTS

---



## 1.1 SOME CIH HIGHLIGHTS

### Medical Student Elective

During their medical student career, students at the University of Bergen have the option of taking an elective course called “Global Health”.

First offered in 2008, the course was developed by Nina Langeland, the current Dean of the Faculty of Medicine and Dentistry, together with others including Ole Frithjof Norheim. Langeland explains that she found that many of students who were sent out for global health placements in Africa by Norwegian institutions had been inadequately prepared for the experience. She wanted to create a course that would be given to students before they travelled, and which would teach and prepare them for something of the challenges they would meet at hospitals and primary health care centres abroad.

Today's course is offered before the students travel for their 2-month field experience. In addition to some important global health issues, it teaches students something about war and unrest, poverty, migration, corruption, violence, gender issues and cultural differences. In addition, the course aims to help the students reflect on their own possible biases and preconceptions and tries to help them to understand how they themselves might appear to the people they will meet during their field experience.

Over the years a number of host hospitals in developing countries in Asia and Africa have become associated with the course. At these host hospitals, the students work under the supervision of local doctors. They may also travel out to local health centres. This year's cohort travelled to Vellore (India), Uganda, Sri Lanka, Tanzania, and 2 places in Malawi.



*Medical students from Norway visiting the fields of Haydom, Tanzania. Photo: Irene Slagstad*

Professor Sven Gudmund Hinderaker is the current course leader. He says that this year's group of over 30 students, although the largest yet, was the "one of the best so far"! One of his favourite parts of the course is the final "exam" when, after returning to Bergen, the groups of students submit an essay about their experiences and together give a presentation to their fellow students and teachers.

Feedback from the students underlines the positive nature of the experience.

"Should definitely keep this site as one of the choices for this elective (Uganda)"

"Experience exposed us a wide variety of different diagnoses and illnesses"

"It gave us a unique insight into the differences between living in cities versus the countryside"

We are grateful to this year's medical elective student cohort for many of the pictures in this year's annual report.

## 1.2 Master in Global Health

This year the two Master programmes, "International Health" and "Oral Sciences", were merged to a new, single Master programme entitled "Global Health".

The 2-year programme aims to raise awareness of current global/international health concerns and to equip students with research skills and tools to address poverty-related health problems in a fair and equitable manner. Students will be trained to identify and critically analyse key factors shaping the health and well-being of populations in low and middle-income countries as well as how to formulate effective and appropriate responses to complex health related issues.

The main thematic areas of research are: maternal and child health; nutrition; communicable diseases, non-communicable diseases and oral sciences. In addition, interdisciplinary collaborations enable the course to offer research training in epidemiology, clinical and community trials, qualitative research, medical ethics, health economics, medical anthropology and biomedical sciences.

**Global health** is broadly defined as an area for study, research, and practice that places a priority on *improving health and achieving health equity for all people worldwide*.

### Global Health

- has a **particular focus** on health problems in low and middle income countries (LMIC),
- aims to **build capacity** through research and post graduate training in partnership with academic institutions in collaborating countries,
- promotes **interdisciplinary** collaboration,
- involves disciplines both within and beyond the health sciences in its training programmes.

[uib.no/en/studyprogramme/MAMD-GLOB#uib-tabs-presentation](http://uib.no/en/studyprogramme/MAMD-GLOB#uib-tabs-presentation)

# Norwegian Research School of Global Health

[Norwegian Research School of Global Health](#)
[Membership](#)
[Grants](#)
[Courses](#)
[PhD Conference](#)
[About](#)

➤ Norwegian Research School of Global Health



Mayanmar Market. Photo: Magnus Endal

The Norwegian Research School of Global Health (NRS GH) aims to strengthen the quality of PhD education and to facilitate recruitment of young researchers in global health.

### Membership



### Funding opportunities



### PhD Courses



### Partners



Norwegian University of Science and Technology



UNIVERSITY OF BERGEN

### Contact

Coordinator: [Elin Yli Dvergsdal](#)

Director: [Elisabeth Darj](#)

Contact person UiO: [Line Marie Løw](#)

Contact person UiB: [Jorunn Hvalby](#)

Contact person UiT: [Turid Austin Wæhler](#)

### PhD Newsletter

[Sign up for newsletter](#)

## 1.3 New Research School in Global Health

September 2016 the four largest Norwegian universities (UiO, UiB, UiT, NTNU) and the Norwegian Forum for Global Health launched a national Norwegian Research School in Global Health with funding from the GLOBVAC programme (Research Council of Norway).

All PhD candidates at Norwegian Universities/University Colleges are welcome to apply to be members, free of charge. They will thereby gain access to any relevant courses at any Norwegian Institution of Higher Education. In addition, they will be able to attend an annual PhD conference, qualify for grants to participate in courses and conferences both nationally and internationally, as well as becoming part of a network of researchers in Global Health.

The office for the Research School in Global Health is located at NTNU, at the Faculty of Medicine. Prof Elisabeth Darj is the Leader and Elin Y Dvergsdal is its Co-ordinator. See the school's website for more information: [ntnu.edu/nrsg](http://ntnu.edu/nrsg)

In its first year of operation around 100 PhD candidates are registered. The first annual PhD conference is March 2017 in conjunction with the GLOBVAC meeting.



## 1.4 MOOC in Occupational Health

"Thank you so much University of Bergen and your team of educators for this invaluable opportunity to undertake this course. I am indeed profoundly humbled and exceedingly grateful."

"My country and my company will from today benefit greatly from the knowledge I have acquired from you. Thank you very much."

**Every 15 seconds, a worker dies from a work-related accident or disease. Two thirds of these deaths happen in developing countries. Tragically, they are mostly preventable and could be avoided with better training and knowledge.**

Many low-income countries have very limited or no occupational health services or training programmes. Professor Bente Moen and her colleagues in the Occupational Medicine Research Group decided to develop a Massive Open Online Course (MOOC) to make basic information about health and safety more accessible globally. To develop the course, they worked together with colleagues at Addis Ababa University in Ethiopia, Muhimbili University of Health and Allied Sciences, and the Occupational Safety and Health Authority in Tanzania.

The course is made available via the MOOC platform FutureLearn. It was produced by DigUiB Learning and the Communications Lab at the University of Bergen.

The free, 6-week, MOOC, "Occupation Health in Developing Countries" was first offered March 2016, and again in October 2016. It was a huge success, with a total of over 8000 students registered in 2016. Master students at the University of Bergen were also able to register for the course, and could receive 3 ECTS credits if they completed an additional written assignment.

The course will be offered again March 2017: [futurelearn.com/courses/occupational-health-developing-countries](https://futurelearn.com/courses/occupational-health-developing-countries)



MOOC development team. Photo: Bente E. Moen







Master students from different countries in the class room at CIH.

Photo: Anne Sidsel Herdlevær

## 2. RESEARCH HIGHLIGHTS

---

## 2.1 CIH PUBLICATION HIGHLIGHTS

CIH produced an amazing number of scientific articles in 2016. We are particularly proud of the Lancet publications shown here.

We have published one original Lancet article:

Nagot N, Kankasa C, Tumwine JK, Meda N, Hofmeyr GJ, Vallo R, Mwiya M, Kwagala M, Traore H, Sunday A, Singata M, Siuluta C, **Some E**, Rutagwera D, Neboua D, Ndeezi G, Jackson D, Maréchal V, Neveu D, **Engebretsen IM**, Lombard C, Blanche S, **Sommerfelt H**, Rekacewicz C, **Tylleskär T**, Van de Perre P; ANRS 12174 Trial Group. **“Extended pre-exposure prophylaxis with lopinavir-ritonavir versus lamivudine to prevent HIV-1 transmission through breastfeeding up to 50 weeks in infants in Africa (ANRS 12174): a randomised controlled trial.”** Lancet. 2016 Feb 6;387(10018):566-73.

This article analysed strategies to prevent postnatal mother-to-child transmission of HIV-1 in Africa, including infant prophylaxis. The subject has never been assessed past 6 months of breastfeeding, despite the fact that breastfeeding is recommended for up to 12 months after birth.

The researchers aimed to compare the efficacy and safety of infant prophylaxis with two drug regimens (lamivudine or lopinavir-ritonavir) at preventing postnatal HIV-1 transmission with up to 50 weeks of breastfeeding. The findings are relevant to all sub-Saharan Africa because the study cohort included four countries from various African regions and participants in the cohort had different infant feeding practices and different circulating HIV-1 subtypes.

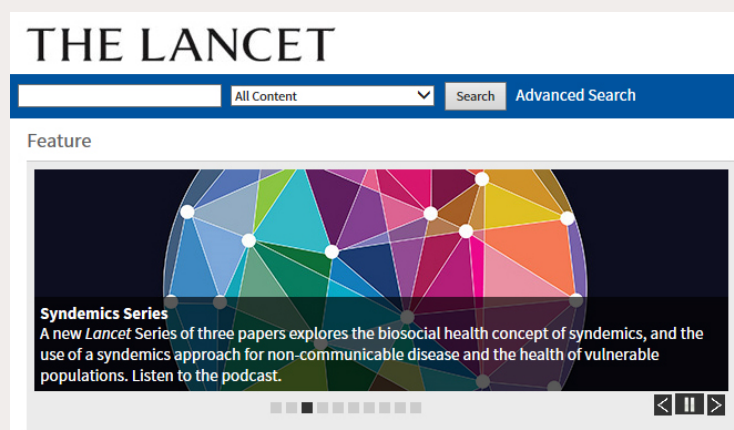
This study showed that the two infant PreP regimens were equally well tolerated and effective at reducing postnatal HIV-1 transmission incidence to lower than 1.5%. The trial is unique in that it assessed a postnatal PMTCT strategy (infant PreP) for the recommended 12 months duration of breastfeeding and that it compared head-to-head two antiretroviral drugs for infant PreP.

WHO recommends stopping infant PreP 1 week after the complete cessation of breastfeeding. In this trial, this recommendation was followed and two infants became infected because breastfeeding was not completely stopped or was resumed. This finding suggests consideration of a longer period of infant PreP after cessation of breastfeeding or that infant prophylaxis should not be stopped until no milk can be expressed during clinical examination from the mother breasts or both.

In addition, CIH researchers have two shorter contributions in Lancet:

**Tylleskär T, Bærug A. “Breastfeeding: the medical profession sweeping at its own doorstep.** Lancet Glob Health.” 2016 Apr;4(4):e219-20

Lombard C, Cousens S, **Tylleskär T**, Van de Perre P, Nagot N. **“Trial size, HIV pre-exposure prophylaxis, and breastfeeding - Authors' reply”.** Lancet. 2016 May 21;387(10033):2091.





## 2.2 NORHED projects

CIH participates in six projects for the Norwegian Programme for Capacity Development in Higher Education and Research for Development (NORHED). These are funded by the Norwegian Agency for Development Cooperation (Norad).

The aim of the NORHED programme is to strengthen the capacity of higher education institutions in Low- and Middle-Income Countries (LMIC), to educate more and better-qualified candidates, and to increase quality and quantity of research conducted by the countries' own researchers. The projects are truly **capacity building**. The following CIH projects started in 2013–2014 and will continue until 2018. Participants note that the partnerships have increased in strength over the project period.

Short presentations of each project:

### 1. Survival Plus

**Partners:** University of Bergen, Norway; University of Juba, South Sudan; Gulu University, Uganda; Busitema University, Uganda; Makerere University, Uganda.

**Project co-ordinator:** James K Tumwine

**UiB co-ordinator:** Thorkild Tylleskär

The goal of the project is to lower childhood and maternal morbidity and mortality in post-conflict and disaster prone communities by increasing the capacity for teaching, research and health care provision at higher education institutions in these areas. Locations in Uganda and South Sudan have been selected to participate.

### 2. Grow Nut

**Partners:** University of Kinshasa School of Public Health (UniKin), University of KwaZulu-Natal (UKZN)

**Project co-ordinator:** University of Kinshasa

**UiB co-ordinator:** Anne Hatløy

The GROWNUT project falls within the 'Health' sub-programme of NORHED, with links to the sub-programmes of Natural resource management, climate change and environment.

This 5-year project will develop institutional capacity at the School of Public Health in Kinshasa through collaboration for implementation and maintenance of a nutritional epidemiological education and research programme.



*Working with mother–child health. Photo: Thorkild Tylleskär*



*Grow Nut discussions in Kinshasa. Photo: Thorkild Tylleskär*



### 3. Reduction of the Burden of occupational injuries and diseases at workplaces in Tanzania and Ethiopia

**Partners:** Muhimbili University of Health and Allied Sciences (MUHAS) in Tanzania; Addis Ababa University (AAU) in Ethiopia and University of Bergen (UiB) in Norway.

**Project co-ordinator:** Simon Henry Mamuya, Senior Lecturer, School of Public Health and Social Sciences, MUHAS.

**AAU co-ordinator:** Wakgari Deressa, Dean, School of Public health, AAU. UiB co-ordinator: Bente E. Moen

The project aims to improve the working conditions and reduce occupational injuries and diseases in Tanzania and Ethiopia. This is done through development of high quality education programmes in Occupational Health Safety (OHS) disciplines at MUHAS and AAU in order to increase the competency of the occupational health inspectors and capacity of academic staff for sustainable postgraduate programmes and relevant high quality research.



*A PhD, a Postdoc and a supervisor at MUHAS, Tanzania.*

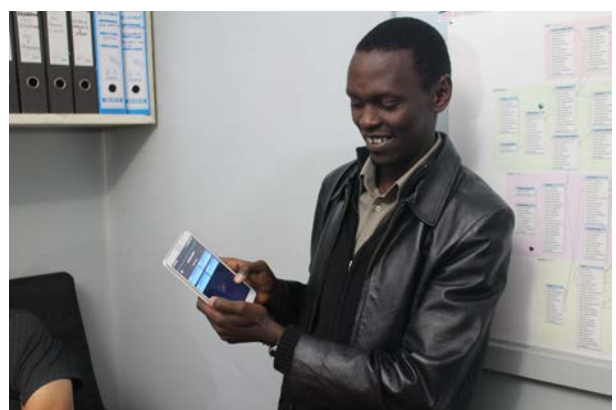
### 4. HI-Train – Better Health Information for better health care

**Partners:** Moi University, Kenya; Makerere University, Uganda; University of Bergen, Dept. of Informatics together with Centre for International Health, Norway

**UiB co-ordinator:** Khalid Mughal, Department of Informatics

**Contact at CIH:** Thorkild Tylleskär

The overall goal: Increased and appropriate use of health information technologies to improve individual and population health care in East Africa.



*Tablets are useful in the project for better health information.*

*Photo: Thorkild Tylleskär*

## 5. South Ethiopia Network of Universities in Public Health (SENUPH)

**Partners:** Hawassa University (HU), College of Medicine and Health Sciences, Ethiopia; University of Bergen (UiB), Centre for International Health, Norway; Wolaita Sodo University (WSU), School of Public Health, Ethiopia; Dilla University (DU), School of Health Sciences, Ethiopia and Arba Minch University (AMU), College of Natural Sciences, Department of Biology, Ethiopia and Addis Ababa University (AAU), School of Public Health, Department of Preventive Medicine, Ethiopia

**UiB co-ordinator:** Bernt Lindtjørn

**Overall goal:** To improve the health of populations in South Ethiopia, especially for maternal and child health, nutrition and reducing malaria.



*Sampling larvae for a malaria project. Photo B. Lindtjørn*

## 6. Capacity building in postgraduate surgical training and research in Malawi

**Partners:** University of Malawi (UNIMA), College of Medicine (COM), Malawi; Kamuzu Central Hospital (KCH), Lilongwe, Malawi; Queen Elisabeth Central Hospital (QECH), Blantyre, Malawi; University of Bergen (UiB), Norway and Haukeland University Hospital (HUH), Norway.

**UiB co-ordinator:** Sven Young.

**Overall goal:** To give Malawi a sustainable number of surgical specialists to treat the national burden of surgical disease.



*Waiting room at the orthopaedic clinic. Malawi  
Photo: Ingvild Festervoll Melien*



## 2.3 New strategy at the University of Bergen 2016–2022: Global challenges

Global Challenges is one of three thematic strategic areas at UiB, outlined in the University's new Strategic Plan "Ocean, Life and Society" for the period 2016–2022.

### Decision path

The organisation and structure of the new "Global Challenges" thematic area were decided at various leadership meetings over the course of 2016. First, the University Board proposed a framework in January 2016 (6/2016). This was clarified further in a meeting in August 2016 (32/2016), where it was decided that the Faculty of Medicine and Dentistry (MOF) should administer this strategic area. The MOF Faculty Board further debated organizational details at its meeting 26 October 2016 (93/2016).



The background for these decisions is based on an evaluation of "Development research" at UiB in 2014 that was undertaken by an international scientific panel. The evaluation's conclusions included nine points. The first one underlined the importance of this research area and stated that the *"Quality and relevance of the scientific production in global and development research at UiB the past ten years have an excellent international standard."* The panel advised UiB to continue to have global and development research as a strategic area.

### Background

Research and education within the area of Global Challenges started about 1960 at the University of Bergen (UiB), and involved co-operation with partners in developing countries. It officially became a priority area for UiB in 1988. Several different units at UiB have participated in research and education in developing countries, and many have established solid partnerships in these low income countries (LIC). In addition, UiB has been involved in educating a large number of students that have either travelled to Bergen or stayed in their home countries.

Few, if any, institutions in Norway have such a large partnership network in LIC. UiB has succeeded in capacity building in several LIC, and has to a large degree succeeded in establishing areas of multidisciplinary research and education. Many research results relating to global issues have had **major impacts**, for instance in terms of reducing poverty, increasing equality, promoting of human rights, improving quality of life for adults as well as children with HIV/AIDS, helping with finding solutions in conflict or war zones, improving mother and child health and by disseminating information about the consequences of climate change.

For CIH this strategy is of major importance. New for us is that the administrative unit UiB Global will be reorganized and become a part of CIH from 2017. We aim to establish improved cooperation in education and research within the theme "Global Challenges" across all UiB Faculties in the future.



Vice-rector of internationalization, A-C Johannessen tells about the new strategy at a seminar in Jekteviken. Photo: Elinor Bartle

## 2.4 Norwegian Global Health Networks Conference

Norwegian clinicians, scientists and students working with global health issues gathered at the University of Bergen for a 2-day conference 20–21 April 2016. The conference was organised by the Norwegian Forum for Global Health Research and the Norwegian Network for Health and Development.

The main aim of the conference was to create an arena for scientific and clinical discussions about global health issues in Norway. At the very least it aimed to improve co-operation between the 2 networks!

By all accounts, the conference was a great success. The knowledge gained and shared will be of importance to the common aim of the 2 networks; improving health in the world. Many new and potential collaborations and partnerships were established between the participants.



*The board and of Forum met in Tromsø and joined a seminar here on global health in 2016. Photo: Elinor Bartle*

### Working together in global health across Norway

The Norwegian Forum for Global Health Research began almost exactly 10 years ago, 16 November 2006.

In November 2016 Forum and the Centre for Arctic and Global Health (SAG), Norway's newest Global Health Centre, at the University of Tromsø (UiT), hosted a meeting in Tromsø. The Forum Board first met to discuss highlights from the annual activity plan for 2016 and make plans for 2017. They then attending an open day-long seminar organized by SAG, entitled, "Global Health in the North".

Forum is committed to improving knowledge exchange and collaboration in global health between Norwegian institutions and researchers across Norway. Holding a meeting at the new UiT Centre is a part of this strategy.

[www.globalhealth.no](http://www.globalhealth.no)



*The board and of Forum met in Tromsø and joined a seminar here on global health in 2016. Photo: Elinor Bartle*



## 2.5 GLOBVAC evaluation

February 2016 an external committee delivered a mid-term evaluation report for the second Global Health and Vaccination Research Programme (GLOBVAC2). The report evaluated the programme for the period 2012–2015.

GLOBVAC began in 2006 and is administered by the Research Council of Norway. GLOBVAC2 is a renewal programme for the period 2012–2020.

The primary objective of GLOBVAC2 is to “support high-quality research with potential for high impact that can contribute to sustainable improvements in health and health equity for poor people in low- and lower-middle income countries.” The programme aims to attain this objective by sustainably strengthening capacity within global health and vaccination research, both in Norway and abroad.

While noting the significant achievements GLOBVAC has made in a number of areas, the evaluators noted that the investments made are just beginning to show impact and that national capacity built via GLOBVAC initiatives to date is not yet self-sustainable. In particular they highlight the need to further strengthen bottom-up capacity development. They strongly recommended against reducing funding at this time. CIH Director, Bente Moen, and all Global Health researchers are therefore very disappointed to observe that the GLOBVAC funding programme has been seriously reduced.

## 2.6 New Professor at CIH

In 2016, CIH appointed a new Professor of Global Nutrition, Ingunn Marie S. Engebretsen.

The position required

- Holding a PhD degree in nutrition, medicine or other health sciences
- Having a record of research in, and being active within global nutrition and international health
- Competency in maternal and children nutrition in low and middle-income countries
- Competency in epidemiology and collaborations with scientists in low and middle-income countries
- Leadership experience, coordinator experience and experience in strategic research planning
- Basic teaching experience required as well as supervisory experience with PhD students



CIH web page. Screenshot.

The evaluating committee found Engebretsen to be highly qualified for the position, and she was selected as the top candidate. CIH is pleased to welcome her to their team. In addition to research, teaching and supervisory activities, Engebretsen leads the Global Mental Health Research Group, which aims to build strong research competence in global mental health and global child and adolescent mental health.

# 3. PEOPLE

---

## 3.1 SCIENTIFIC PERSONNEL AT CIH

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)
Engebretsen, Ingunn Marie S.	Professor (from February 15)
Hinderaker, Sven Gudmund	Professor
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
TEMPORARILY EMPLOYED	
Abotnes, Espérance Kashala	Post doctor
Engebretsen, Ingunn Marie S	Researcher (Until February 14)
Fadnes, Lars Tore	Post doctor (IKO employed)
Hatløy, Anne	Associate Professor
Johannessen, Ane	Researcher
Kühl, Melf-Jakob	Assistant (from July 1)
Mirkuzie, Alemnesh	Post doctor (maternity leave until August 19)
Mori, Amani Thomas	Post doctor (from February 1)
Sandøy, Ingvild Fossgard	Post doctor CIH/Assoc. Professor IGS (Professor from September 16)
Steinsland, Hans	Researcher
Strand, Tor A	Adjunct professor (20%)
OTHER	
Basnet, Sudha	PhD candidate (dissertation April 19)
Blume, Jörn	PhD candidate (paternity leave)
Fylkesnes, Knut Martin	Professor emeritus
Kismul, Hallgeir	Researcher (from October 1)
Kvåle, Gunnar	Professor emeritus
Nilsen, Rune	Professor emeritus
Schwinger, Catherine	PhD candidate (maternity leave)

## 3.2 ADMINISTRATIVE PERSONNEL

CIH is a part of the 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

Bartle, Elinor	Communication Services (20–40%)
Forshaw, Linda Karin	Academic Affairs, Master
Haaland, Marte Emilie Sandvik	Project administration CISMACH
Hope, Ingvild Research	Advisor
Ipek, Filiz	Project Economist (from April 16)
Istad, Therese Marianne	Research & Communication Officer
Koldal, Gunhild	Administration (MOOC, Quota)
Lavik, Borgny Kvalnes	Academic Affairs, Master
Straume, Ane	Project administration CISMACH (50% from November 7)
Vikøren, Solfrid	Economic Officer
Warpe, Jo Even	Project Economist (until April 30)



Participants from the annual Christmas party at CIH 2016; scientific and administrative staff and students. Photo: Bente. E. Moen



### 3.3 CIH BOARD

In 2014, the Faculty of Medicine and Dentistry (MOF) formalized the Centre organization. In 2015, according to the new approved guidelines, the first CIH Board was established. It included the Dean of MOF and the MOF Department leaders.

#### CIH Board Members, from 2015:

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



### 3.4 ASSOCIATED SCIENTIFIC PERSONNEL

CIH is blessed to be associated with many high skilled, competent and positive people who help out on different issues. Here we have mentioned the ones who have been teaching, supervising or helping at the centre in 2016. If someone is missing, please tell us!

Kahtan **Al-Azawy**, Kjersti **Alsaker**, Per **Bakke**, Stefi **Barna**, Valborg **Baste**, Randi J **Bertelsen**, Bjarne **Bjorvatn**, Gunnar **Bjune**, Magne **Bråtveit**, Asgeir **Bårdsen**, Karin Lødrup **Carlsen**, Daniela **Costea**, Jutta **Dierkes**, Anne Margrette **Dyrhol-Riise**, Stian **Ellefsen**, Maria **Emmelin**, Frederik **Frøen**, Håkon **Gjessing**, Sturla **Gjesdal**, Truls **Gjestland**, Siri **Gloppen**, Harleen **Grewal**, Kurt **Hanevik**, Rolf **Hanoa**, Haldis **Haukanes**, Sigrun **Henjum**, Bjørn **Hofmann**, Bjørge Eli **Hollund**, Mari **Hysing**, Tane Holm **Høisæter**, Frode **Ims**, Anne Christine **Johannessen**, Arne **Johannessen**, Kjell Arne **Johansson**, Thomas **Jürgens**, Torvid **Kiserud**, Ingrid **Kvestad**, Siri **Lange**, Nina **Langeland**, Gro Therese **Lie**, Reidar **Lie**, Rolv Terje **Lie**, Ola **Lind**, Frode **Lindemark**, Maria **Mathisen**, Eivind **Meland**, Ingrid **Miljeteig**, Ottar **Mæstad**, Hans Kristian **Maridal**, Klaus **Melf**, Ingrid **Miljeteig**, Thera **Mjåland**, Kamal **Mustafa**, Ole Jacob **Møllerløyen**, Elwalid Fadul **Nasir**, Anne **Nordrehaug**, Øystein Evjen **Olsen**, Ernst **Omenaas**, Hans **Overgaard**, Odd **Pettersen**, Pål **Punternvoll**, Francisco Gomez **Real**, Ole Bjørn **Rekdal**, Trond **Riise**, Kristin **Rygg**, Guri **Rørtveit**, Bjarte **Sanne**, Katherine **Skarstein**, Rolf **Skjærven**, Steinar **Skrede**, Marion **Solheim**, Arne **Strand**, Johanne **Sundby**, Stefan **Sütterllien**, Lisbet **Sviland**, Heidi **Syre**, Erik Joakim **Tranvåg**, Bertil **Tungodden**, Graziella **Van Den Bergh**, Christopher **Venables**, Elin **Vestbøstad**, Kari **Vik**, Magnus **Vollset**, Adi **Vyas**, Bodil Bø **Våga**, Harald **Wiker**, Annegreet **Wubs**, Ketil Joachim **Ødegaard**, Arild **Aakvik**, Birgitta **Åsjø**, Audun **Aase**, Henriette Sinding **Aasen**, Anne Norderhaug **Åstrøm**.

## **4. CANDIDATES IN COMPETENCY BUILDING PROGRAMMES**

---

## 4.1 COMPETENCY BUILDING CANDIDATES IN MASTER PROGRAMMES

### MASTER CANDIDATES

FINISHING IN 2016 (2014–16)*	BEGINNING IN 2015 (2015–17)**	BEGINNING IN 2016 (2016–18)
Akol, Angela	Hassan Abdelraouf, Mohamed Ali	Alhousain, Mohamad Hashem
Ali, Mohamed Abdul Raouf	Awealom, Akeza	Baniya, Suraj
Binyaruka, Peter John	Boge, Amalie Aase	Baral, Dibash
Cole, Robin	Deleta, Samuel Darge	Ben Mohamed, Fatima Zohra
Gjerde, Kjersti	Dullie, Luckson	Gajurel, Rashmi
Hammer, Anna	Gaafar Mohamed, Nuha Mohamed	Jensen, Elise
Hasha, Wegdan	Girma, Feven	Kapali, Akash
Kibira, Simon Peter	Hurissa, Mengistu Bekele	Khabiri, Mahsa
Lubulwa, Frances Clare	Lundamo, Mwila	Kleppe, Amalie Kaldefoss
Macha, Jane	Mohamed, Nazar	Munir, Arooj
Rankinen, Maija	Mukunya, David	Olow, Khadija Hassan
Rasheed, Rahma	Nima, Dawit Desalegn	Rahmani, Yahya Khan
Sanou, Anselme Siméon	Pamba, Doreen	Riaz, Sabia Huma
Zhao, Ruiting	Paul, Israel	Saleem, Ragda
	Roro, Meselech Assegid	Ugelvik, Gunhild Stølen
	Shrestha, Jasmin	
	Sitali, Lungowe	
	Tumuhamyé, Josephine	

\* Whereof 6 transferred to PhD, one deceased and two are delayed

\*\* Whereof 11 transferred to PhD

## 4.2 MEDICAL STUDENTS IN RESEARCH PROGRAMME

NAME	PROJECT	SUPERVISOR
Grønvik, Taram	Reducing teenage childbearing: Adolescent women and barriers to contraceptive use in Zambia	Ingvild F. Sandøy
Halvåg, Ragnhild Sørbøen	Exploring the feasibility and acceptability of introducing symphysiotomy in emergency obstetric care in rural Ethiopia. A formative qualitative study	Karen Marie Moland, Torvid Kiserud, Astrid Blystad
Hegdahl, Hanne Keyser	Understanding the differences in HIV prevalence between men and women in Sub-Saharan Africa	Ingvild F. Sandøy
McLean, Emily	Abortion in Ethiopia. Legislation, access to services and the public debate.	Ingrid Miljeteig, Astrid Blystad
Melberg, Andrea	Breastfeeding in four African countries	Thorkild Tylleskär
Pannu, Mehrajjeet Kaur	Malaria chemoprevention for the post-discharge management of severe anaemia in children in Malawi, Uganda and Kenya	Bjarne Robberstad
Skylstad, Vilde	Mental health care services for children in Uganda: Needs for individuals and society	Ingunn Engebretsen
Solheim, Ingrid Holm	Unwanted pregnancy among young women in Tanzania: A study of accessibility and use of self-administered Misoprostol	Astrid Blystad/KM Moland/C. Kahabukan
Svege, Sarah	Caretakers acceptability of different delivery mechanisms of post malaria chemoprevention (PMC) IN Malawi	Bjarne Robberstad/Siri Lange

## 4.3 Medical Students enrolled in the Global Health Elective

During their medical student career, students at the University of Bergen have the option of taking an elective course called "Global Health". The course offers committed students the opportunity to focus on International Health issues beginning with a 6-week series of lectures\* that provide an introduction to Global Health followed by an eight-week field visit to selected sites in Africa and Asia. In 2016 the sites included: Vellore (India), Uganda, Sri Lanka, 2 places in Malawi and Tanzania. This activity is described in detail on pages 5–6.

*\*it is possible to take a smaller course, "Global Theory" that involves only the lectures.*

NAME	NAME	NAME
Bjånesøy, Vår	Holsen, Torunn Amalie	Petter, Solheim
Bø, Signe	Kjekshus, Valborg Helene	Riis, Klara K.
Børhaug, Emilia	Knappskog, Kristine	Saanum, Tale Maria
Dybvik, Karoline	Kvadsheim, Elisabet	Sanne, Ingebjørg
Erchinger, Vera Jane	Kørner, Leif Roland	Slagstad, Irene
Feiring, Mari Heide	Leikvoll, Linnea	Stenseth, Mathilde
Fotland, Marta	Lyslo, Åse S.	Tomasgard, Sunniva
Halvorsen, Fredrik	Mehandru, Sonia	Unhjem, Hans-Henrik M.
Hatlemark, Synne	Meinich, Tale Jeanette	Vederhus, Johannes
Haugland, Kristin	Mellingen, Maren	Åkre, Åshild S.
Hatlemark, Synne J.M.	Mydske, Sigurd	Aas, Eivind Mathia
Hestaas, Ida J.	Nielsen, Iris	



Norwegian medical students visiting albino children. Photo: Irene Slagstad.



## 4.4 PhDs in competency building programmes

NAME	PROJECT TITLE	MAIN SUPERVISOR	CO-SUPERVISOR
Aakre, Inger	Hormonal and developmental consequences of excessive iodine	Henjum, Sigrunn	Strand, Tor
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	Engelbrechtsen, Ingunn	Moland, K./Babirye, J.
Ayana, Taye Gari	Malaria Prevention in south Ethiopia	Lindtjørn, Bernt	Deressa, Wakari
Balikuddembe, Michael	LaD Tracker: A Smart Way to Escape the Illusion of Partography in Labour and Delivery	Tylleskär, Torkild	Wakholi, Peter
Banda, Richard	Malaria transmission risk in Zeway-Butajira transect, Central Ethiopia	Fylkesnes, Knut	Sandøy, Ingvild
Bech, Margunn Margrete	Tanzanian Health Sector Policies and Their Impact at District and Village Levels: A Historical perspective (1960–2005)	Rekdal, Ole Bjørn	Hegenhougen
Binyaruka, Peter John	Effect of Pay-For-Performance Scheme on Continuum of Care and Equity in Tanzania	Torsvik, Gaute	Robberstad, B./Borghi, J.
Blume, Jörn	Challenges in daily infant peri-exposure prophylaxis (PEP) to HIV-exposed uninfected infants	Tylleskär, Torkild	Wang, Siri
Chinkhumba, Jobiba	Cost-effectiveness of performance based financing for promoting mother to child health in Malawi	Robberstad, Bjarne	de Allegri, Manuela
Dalen, Nina	Psychological Challenges Faced By Orphans Heading Households in Rakai District, Uganda	Sam, David	Sundby, Johanne (HIB)/ Jacobsen, Frode F
Dangisso, Mesay Hailu	Improving tuberculosis control in Sidama, southern Ethiopia	Lindtjørn, Bernt	Daniel Gemechu Datiku
Dullie, Luckson	Contribution of family medicine to improving health systems in Africa	Gjesdal, Sturla	
Gebreyesus, Seifu	Food security and climate change : Modelling the impact of Climate change on food security in Ethiopia	Lindtjørn, Bernt	Halilemariam, Damen
Jögi, Oscar	Allergic diseases and helminth exposure in Estonia, Norway and South-Africa.	Svanes, Cecilie	
Hamusse, Shallo Daba	Improving Tuberculosis control program in Ethiopia: Analysing TB program performance and estimating the prevalence of MDR TB in Arsi zone, Oromia Regional State	Lindtjørn, Bernt	Demissie, Meaza
Hangoma, Peter	Quantifying the cost of disease to a household: An analysis of out of pocket health expenditure in Zambia	Robberstad, Bjarne	Fylkesnes, Knut
Haugen, Johanne	Influenza, Respiratory infections, Immunity and Zinc	Strand, Tor	Dudman, Susanne/ Mathisen, Maria
Hernæs, Ulrikke J. V.	The economic analysis of post-discharge malaria chemoprevention for the management of severe anaemia in children under 5 years in Malawi, Uganda and Kenya	Robberstad, Bjarne	Phiri, Kamija
Hoel, Ida Marie	Improved diagnosis of tuberculosis by antigen detection using immunochemistry-based assays	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
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	
Katirayi, Leila	Understanding the barriers and facilitators surrounding prevention of mother-to-child treatment of HIV (PMTCT) cascade in selected countries in sub-Saharan Africa	Tylleskär, Torkild	Moland, Karen M.
Kibira, Simon Peter	Male circumcision, sexual risk behaviour and HIV infection in Uganda	Sandøy, Ingvild	Daniel, M./Makumbi, F./ Lynn, A.

NAME	PROJECT TITLE	MAIN SUPERVISOR	CO-SUPERVISOR
Kirunda, Tebagalika Barbara Eva	Effect of the natural environment on diet, physical activity and body mass index in an adult rural population in Inganga-Mayuge demographic surveillance site, Eastern Central Uganda	Tylleskär, Torkild	Henry Wamani/ Fadnes, Lars T.
Klungsøyr, Jørn Ivar	OMECT (Open Mobile Electronic Clinical Trials), an interdisciplinary project to improve quality of health research in low-resource settings	Tylleskär, Torkild	
Knudsen, Toril Mørkve	Epigenetic and developmental consequences of passive smoking and overweight for asthma in childhood and adolescence	Svanes, Cecilie	
Kuiper, Ingrid	Lung health effects of air pollution – over time and across generations	Svanes, Cecilie	Johannessen, Ane
Lønneboten, Marianne	Maternal metabolic health and offspring asthma: Preparing for motherhood already in childhood?	Svanes, Cecilie	
Lungowe, Sitali	Malaria species distribution, diagnosis and falciparum artemisinin resistance in Southern Zambia	Lindtjørn, Bernt	
Mohamed, Khalid Gaffer	Scientific evaluation of Gezira Family Medicine Project (GFMP) of Sudan: Organizational, doctors' and patients' perspectives	Hunskår, Steinar	Abdelrahman, S./ Malik, E.
Mugisha, Alice	Adoption and Development Methodologies for Mobile Health Continuum Care Solutions	Tylleskär, Torkild	
Muhumuza, Julius	The Epidemiology and Diagnosis of Mycobacterial Disease in Tanzania	Hinderaker, Sven Gudmund	Mfinanga, Godfrey Sayoki
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
Mwangala, Sheila Monde	HIV counselling and testing services in Zambia: the impact of national quality assurance systems, the involvement of lay counsellors and individual HIV risk perceptions in the population	Fylkesnes, Knut	Moland, Karen Marie/ Monze, Mwaka
Nakazwe, Chola	Assessing the changing HIV Epidemiology in Zambia: Using a National Population Based Survey Conducted in Zambia	Fylkesnes, Knut	Sandøy, Ingvild
Ndolumingu, Faustin Kitetele	Espérance Kashala Abotnes	Tylleskär, Torkild/ Lelo, Mananga	
Ngalesoni, Frida	Economic evaluation and equity impact of primary prevention of cardiovascular diseases in Tanzania.	Norheim, Ole F.	Robberstad, Bjarne
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
Nigatu, Amare Workiye	Respiratory health among cut-flower workers in Ethiopia	Moen, Bente E.	Bråtveit, Magne
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
Paul, Israel	Occupational noise exposure and hearing loss among iron and steel industry workers in Dar es Salaam, Tanzania	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
Perez, Antonio	The role of oral health and microbiome in respiratory health. A project based on the RHINESSA study	Svanes, Cecilie	
Ramokolo, Vundli	Growth patterns and anthropometric nutritional status of HIV exposed and unexposed infants in South Africa	Engelbrechtsen, Ingunn	Goga, Ameena/Doherty, Tanya/Jackson, Debra/ Chhagan, Meera
Rongsen-Chandola, Tamsunaro	Predictors of poor immune response to Rotavirus Vaccine in Infants	Strand, Tor A	Bhandari, Nita
Rutagwera, Gatsinzi David	Cell-associated viral reservoirs and the risk of HIV-1 transmission through breast milk	Tylleskär, Torkild	Molés, Jean-Pierre/ Tuaillon, 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.
Schwinger, Catherine	Growth velocity of young children in rural area of D.R.Congo: patterns, geographical determinants and significance for morbidity and mortality	Strand, Tor A	Moland, Karen
Senkoro, Mbazingwa Fikeni	Burden of pulmonary tuberculosis and its major determinants in Tanzania within the framework of national tuberculosis survey in Tanzania	Hinderaker, Sven Gudmund	Mfinanga, Godfrey S/ van Leth, Frank

NAME	PROJECT TITLE	MAIN SUPERVISOR	CO-SUPERVISOR
Shrestha, Jasmin	Prevalence and molecular Epidemiology of Rotavirus and coinfections with other enteric viruses in a long term cohort in children from a large community in Nepal	Strand, Tor	Vainio, K/Andreassen, Å/ Dudman, S
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
Some, Nagaonlé Eric	Breastfeeding patterns and mothers' health in HIV context in Sub-Saharan Africa	Tylleskär, Torkild	Ingebretsen, Ingunn
Svanes, Øistein	KOLS og astma blant renholdere i Nord-Europa	Svanes, Cecilie	
Tareegn, Shanka Solomon	Malaria Epidemiology and Prevention in Southern Ethiopia	Bernt Lindbjørn	Shumbullo, Eskindir Loha/Amente Wikiri
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	
Tumhamye, 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
Ulesido, Fekadu Massebo	Associated risk factors in Newborns in Lira district, Northern Uganda	Lindtjørn, Bernt	Teshome, Gebre-Michael/ Balkew, Meshesha
Varela, Carlos	Surgical burden and resource evaluation in Malawi	Viste, Ausgaut	Mkandawire, Nyengo/ Groen, Reinou/Young, Sven
Vindenes, Hilde Kristin	Chemical and occupational risk factors for eczema	Bertelsen, Randi J	Svanes, Cecilie
Waatevik, Marie Johanne	Physical activity and disease prognosis in COPD patients	Johannesen, Ane	Eagan, Tomas/ Real, Francisco/Frisk, Bente
Woldeamayrat, 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	Datiko, Daniel



Norwegian medical students visiting Tanzania. All photos: Irene Slagstad

## 5. GRADUATES

---



## 5.1 DOCTORAL DEGREES AWARDED



**Abebe Animut Ayele**

**"Anopheles species and malaria transmission risk in a highland area, south-central Ethiopia".**

*Defense: 15 Jan. 2016*

Abebe Animut Ayele has a bachelor degree in biology and a Master degree in parasitology from Addis Ababa University in Ethiopia where he now works as a lecturer and teaches parasitology.



**Phyllis Awor**

**"Drug shops in integrated community case management of malaria, pneumonia and diarrhoea in Uganda: Appropriateness of care and adherence to treatment guidelines".** *Defense: 8–9 Feb. 2016*

Phyllis Awor is a medical doctor and a public health specialist with 10 years of experience in operational research and health program management.



**Basnet, Sudha**

**"Severe pneumonia in hospitalized young Nepalese children: Studies on the efficacy of oral zinc, respiratory viruses and prognostic determinants".** *Defense: 19 April 2016*

Sudha Basnet is from Nepal. She was educated as a physician at Nil Ratan Sircar Medical College and Hospital in Kolkatta, India. In 1998, she entered a NUFU project at CIH, led by Professor Tor Strand, and was educated as a specialist in Pediatrics 2001.



**Himalalya Parajuli**

*Department of Clinical Science, Department of Biomedicine*

**"Role of integrin alpha 11 in the development of oral carcinogenesis".** *Defense: 29 April 2016*

Himalalya Parajuli was born in Nepal and educated as a dentist at Tribhuvan University in Kathmandu. He has been part of the Research Himalaya (ResHim) network at UiB.



**Kilale, Andrew**

**"Mycobacteria in northern Tanzania: Exposure and risk of disease among agropastoralists and programmatic challenges in investigation of re-treatment cases".** *Defense: 14 June 2016*

Andrew Martin Kilale is 52 years old and has got three children. He has a Bachelor degree in micro-biology from the University of Dar es Salaam. He has worked at the National Institute of Medical Research in Dar es Salaam since 1993.



**Rajib Chaulagain**

*Department of Biomedicine*

**"FGF signalling in tooth and Cranial base development".** *Defense: 17 June 2016*

Rajib Chaulagain was born in Nepal and trained as a dentist at the People's Dental College and Hospital in Kathmandu. His PhD was taken jointly at the Department of Biomedicine and the Centre for International Health.



**Solomon Tessema Memirie**

**"Scale-up of high impact maternal and child health interventions in Ethiopia".** *Defense: 29 August 2016*

Solomon Tessema Memirie is a paediatrician who has worked at the University of Addis Ababa and has been a clinical consultant for Children's Health for the Health Department in Ethiopia.



Danguiso, Mesay Hailu

**"Tuberculosis control in Sidama in Ethiopia. Programme performance and spatial epidemiology".**  
*Defense: 5 Sept. 2016*

Mesay Hailu Danguiso is from Sidama in South Ethiopia. He obtained the degree, Master of Public Health in Reproductive Health, at Jimma University in Ethiopia. He has been a PhD candidate at the Center for International Health since 2011. He currently works at Hawassa University in South Ethiopia.



Mwangala, Sheila Monde

**"The role of HIV testing in HIV prevention and care: opportunities, challenges and ethical issues of different strategies".** *Defense: 16 Sept. 2016*

Sheila Monde Mwangala is from Zambia. She had a Bachelor of Science in Bio-Medicine from the University of Zambia and a Master degree in International Health from the University of Bergen. She has now returned to her position at University Teaching Hospital Virology Laboratory in Lusaka.



Seifu Gebreyesus

**"Spatial variations in child undernutrition in Ethiopia: Implications for intervention strategies".**  
*Defense: 16 Sept. 2016*

Seifu Hagos Gebreyesus was born in 1980 in Addis Abeba in Ethiopia. He has a Bachelor degree in Public Health from Haromaya University. He took a Master degree in Public Health at Addis Abeba University and another Master degree in Nutrition at Ghent University in Belgium.



Richard Banda

**"Measuring maternal mortality in a context of deficient vital registration systems: use of population census in Zambia".** *Defense: 23 Sept. 2016*

Richard Banda was born in 1974 in Zambia. He has got a bachelor degree in demography from the University of Zambia and a Master degree in international health from the University of Bergen. He started his PhD in 2012. The last 16 years Richard has worked at the Health Department in Zambia and in the Central Statistics Office. Today he is in charge of research in the Central Statistics Office.



Pascal Ruggajo

*Renal Research Group HUS*

**"Low birth weight and risk of progressive kidney disease".** *Defense: 19 Oct. 2016*

Pascal Ruggajo is a kidney specialist and teacher at the University Hospital MUHAS/MNH in Dar es Salaam in Tanzania. He completed his specialisation in kidney disease under the NOMA programme. Ruggajo would like to help build up expertise in kidney medicine in Tanzania.



Victor Chimhutu

*HEMIL*

**"Results-Based Financing (RBF) in the health sector of a low-income country; from agenda setting to implementation: The case of Tanzania".** *Defense: 28 Oct. 2016*

Victor Chimhutu took a Master in Gender and Development at the University of Bergen.



Jens-Tore Granslo

*Occupational Medicine,  
Haukeland University Hospital*

**"Respiratory health in the aftermath of an oil tank explosion".** *Defense: 15 Nov. 2016*

Jens-Tore Granslo is a specialist in Occupational Medicine and chief physician and section leader of the Occupation Medicine Department at Haukeland University Hospital.



Mbazingwa Fikeni Senkoro

**"Burden of pulmonary tuberculosis and its major determinants: A national prevalence survey in Tanzania".**  
*Defense: 22 Nov. 2016*

Mbazi Senkoro is a medical doctor educated in Tanzania. He has taken a Master degree at the University of Bergen. He now works at National Institute of Medical Research in Dar es Salaam, Tanzania.

## 5.2 MASTER DEGREE GRADUATES

### International Health

NAME	TITLE OF THESIS
Robin Cole	Obstetric professionals' perceptions of caesarean delivery upon maternal request in Bergen, Norway
Anna Vedel Hammer	Women's choice of birthing place in Kilimanjaro, Tanzania: a qualitative study
Edeen Jalloh	<i>Health workers' challenges in providing care to under five children in peripheral health units within the Ebola context in Port Loko district, Sierra Leone. A qualitative study (Classical Grounded Theory)</i>
Tsion Haileyesus Denegetu	Introducing a new protocol for the diagnosis and management of premature rupture of membrane at term in Addis Ababa, Ethiopia

### Oral Sciences

NAME	TITLE OF THESIS
Wegdan Hasha	Development of 3D Printed Scaffolds for Bone Regenerati. Frances Clare Lubulwa. Adherence by birth attendants to life-saving guidelines in the Helping Babies Breathe action plan in Uganda
Ruiting Zhao	Investigation of mechanisms leading to early aseptic loosening of hip prostheses. A retrieval study of 27 failed cases of cemented Spectron EF stem in combination with Reflection acetabular cup



Photo: Thorkild Tylleskär



## 6. MAIN PROJECTS

---

## MAIN PROJECTS

PROJECT TITLE	DURATION	PROJECT LEADER	FUNDING SOURCE	MAIN LOCATION
Acceptability and Effectiveness of umbilical Cord Cleansing for the Prevention of Newborn Infections in Uganda	2014–2018	Nankabirwa, Victoria	NFR/GLOBVAC	Africa
Zinc as an adjunct for the treatment of very severe disease in infants younger than 2 months	2014–2017	Bhatnagar, Shinjini	NFR/GLOBVAC	Asia
Enfance Africaine – Mental child health in francophone Africa	2014–2018	Abotnes, Esperance Kashala	NFR/GLOBVAC	Africa
Improving diagnosis of extrapulmonary tuberculosis by implementation of a sensitive and specific assay in routine tuberculosis diagnostics	2014–2017	Mustafa, Tehmina	NFR/GLOBVAC	Asia
New Vaccine against traveler's diarrhea caused by ETEC	2016–2019	Barczyk, Malgozata/Sommerfelt, Halvor	NFR/BTO	UiB-K2/BTO
SeeTheChild – Mental child health in Uganda	2013–2017	Engelbrechtsen, Ingunn	NFR/GLOBVAC	Africa
Norwegian Forum for Global Health Research	2013–2015	Moen, Bente Elisabeth	NFR/GLOBVAC	Asia
Centre of Excellence: Centre for Intervention Science in Maternal and Child Health (CISMAC)	2013–2023	Sommerfelt, Halvor	NFR/GLOBVAC	Africa and Asia
Combining indoor residual spraying and long-lasting insecticidal nets for preventing malaria: Clust randomized trial in Ethiopia	2012–2017	Lindtjørn, Bernt	NFR/GLOBVAC	Africa
SURVIVAL PLUS: Increasing capacity for mama-baby survival in post-conflict Uganda and South Sudan	2013–2018	Tylleskär, Thorkild	NORHED	Africa
GROW NUT – Growing Partnership for Higher Education and Research in Nutritional Epidemiology in DR Congo	2013–2018	Hatløy, Anne/Tylleskär, Thorkild	NORHED	Africa
HI-TRAIN – Health Informatics training and research in East Africa for improved health care	2013–2018	Tylleskär, Thorkild	NORHED	Africa
SENUPH – South Ethiopia Network of Universities in Public Health (SENUPH) aims to improve women's participation in post graduate education	2014–2018	Lindtjørn, Bernt	NORHED	Africa
Reduction of the burden of injuries and occupational exposures through capacity building in low income countries.	2014–2018	Moen, Bente Elisabeth	NORHED	Africa
Capacity building in postgraduate surgical training and research in Malawi	2014–2018	Lindtjørn, Bernt	NORHED	Africa
STOPENTERICS-Vaccination against Shigella and ETEC: novel antigens, novel approaches	2010–2017	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	Africa, Europe, USA
ETECVAC, Development of a vaccine for enterotoxigenic E. coli based on the heat-stable toxin	2014–2018	Sommerfelt, Halvor	NFR	Asia

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	Asia
ALEC, Aging Lungs in European Cohorts	2015–2019	Svanes, Cecilie	EU	Europe
Medical Peace Work	2015–2017	Sandøy, Ingvild Fossgard	Africa	
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	Africa
Development of innovative e-learning and teaching through strategic partnerships in Global Health Education	2016–2018	Moen, Bente Elisabeth	EU-Erasmus	Europe
Competing discourses impacting girls and womens rights: Fertility control and safe abortion in Ethiopia, Tanzania and Zambia SAFEZT	2016–2018	Blystad, Astrid	NFR	Africa
Randomized Phase III Clinical Trial Assessing a Supraglottic Device versus Face-Mask Ventilation in Neonatal Resuscitation in Africa	2016–2019	Tylleskär, Thorkild	NFR	Africa
Project to Strengthen health economics capacity at Bergen and Muhimbili universities(PSHEC)	2016–2017	Robberstad, Bjarne	College of Medicine Malawi	Africa
Disease Control Priorities – Ethiopia	2016–2020	Norheim, Ole Frithjof	Bill & Melinda Gates Foundation	Africa and USA
The effect of Vitamin B12 supplementation in Nepali Infants on Growth and Development	2014–2017	Strand, Tor A	Thasher Research Fund	Asia and USA







## 7. CISM MAC

---

## CISMAC: THE UNFINISHED AGENDA

Although child mortality is decreasing in most low and middle income countries, a staggering 6 million children under five years of age as well as approximately 300 thousand mothers die every year, mainly in these countries.

The mortality is largely a result of common and preventable diseases that should be affordable to treat. The illnesses or events that kill women during pregnancy or childbirth could likewise be mitigated by relatively simple means. These topics rarely reach the headlines. Other causes of mortality include girls becoming pregnant before their bodies and minds are ready for it, instead of remaining in school; women dying in childbirth; stillbirths due to malpresentations that are discovered too late; and newborns dying of sepsis. These important, persistent, invisible, unnecessary and unacceptable disasters are the focus of the research activity ongoing at the Centre for Intervention Science in Maternal and Child Health (CISMAC).

These silent “chronic disasters” form the backdrop – the unfinished agenda – that was the rational for establishment of the Centre of Excellence, CISMAC. The Centre is a collaboration between researchers at the Centre for International Health and its collaborating institutions, most of them in developing countries, as well as the World Health Organisation (WHO). CISMAC’s overarching aim is to do cutting edge research to develop and evaluate interventions that can equitably reduce the number of maternal and child deaths, and foster child development.

Highlights of CISMAC’s activity in 2016 include launching 8 large randomized controlled trials and procuring substantial additional resources from several funding agencies. In addition, Centre researchers have participated in extensive consultations to develop strategies for research as well as new guidelines for treatment and prevention of important health problems, with both national authorities in the countries where they work and with the WHO.

CISMAC’s major tasks are to keep focus on these non-fashionable illnesses, maintain high scientific quality research, support our partner institutions’ zeal in capacity strengthening, and contribute to translating research findings into policy and guidelines. While CISMAC insists on high percent efficacy with 95% confidence intervals in their trial findings and results, Halvor Sommerfelt, CISMAC Director, hopes that the researchers remember that each figure in the tables and each number in the regression analyses represent adolescent girls, mothers or children with hopes, feelings and dreams. His goal is that CISMAC’s science will contribute to saving maternal and child lives, fostering their development and thereby their opportunities to support their families and build healthy societies.



*CISMAC aims to address child mortality. Photo: Thorkild Tylleskär*



## 8. PUBLICATIONS

---



## PUBLICATIONS 2016

### Global health priorities, Ethics

- Andersson AK, Lindemark F, **Johansson KA**, (2016) "Priority Rules as Solutions to Conflicting Health Care Rights", *Medicine, Health Care and Philosophy*, Published online 3 September 2016
- Black RE, Levin C, Walker N, Chou D, Liu L, Temmerman M, DCP3 Essential Surgery Author Group (including **Johansson KA**). (2016) "Reproductive, maternal, newborn, and child health: key messages from Disease Control Priorities 3rd Edition", *Lancet*, Published online 9 April 2016
- Chisholm D, **Johansson KA**, Raykar N, Megiddo I, Nigam A, Strand KB, Colson A, Laxminarayan R, Verguet S. "Moving towards universal health coverage for mental, neurological and substance use disorders: an extended cost-effectiveness analysis." in "Mental, Neurological, and Substance Use Disorders" volume of Disease Control Priorities in Developing Countries, 3rd edition. Editors: Vikram Patel, Dan Chisholm, Tarun Dua, Ramanan Laxminarayan and Maria Elena Medina-Mora. 2016
- Johansson KA**, Strand KB, Fekadu A, Chisholm D, (2016) "Health Gains and Financial Protection Provided by the Ethiopian Mental Health Strategy: an Extended Cost-Effectiveness Analysis", *Health Policy and Planning* (doi: 10.1093/heapol/czw134).
- Kassebaum NJ, Arora M, Barber RM, Bjertness E, **Hailu A**, Knudsen AK, Norheim OF, Skogen JC, Savic, M, Skirbekk V, Steiner TJ, Stovner LJ, Søreide K, Vollset SE, Weiderpass E. Global, regional, and national disability-adjusted life-years (DALYs) for 315 diseases and injuries and healthy life expectancy (HALE), 1990-2015: a systematic analysis for the Global Burden of Disease Study 2015. *The Lancet* 2016; Volum 388. (10053) s.1603-1658
- Memirie ST, Verguet S, Levin C, Norheim OF, **Johansson KA**. (2016) "Inequalities in utilization of maternal and child health services in Ethiopia: the role of primary health care". *BMC Health Serv Res.*; 16: 51.
- Shayo EH**, **Senkoro Kesheni P**, Momburi R, **Olsen ØE**, Byskov J, Makundi EA, Kamuzora P, Mboera LEG. Access and utilisation of healthcare services in rural Tanzania: A comparison of public and non-public facilities using quality, equity, and trust dimensions. *Global Public Health* 2016; Volum 11. (4) s.407-422.
- Verguet S, Pecenka C, **Johansson KA**, Tessema Memirie S, Driessen JR, Olson ZD, et al. "Health gains and financial risk protection afforded from treatment and prevention of diarrhea and pneumonia in Ethiopia." in "Reproductive, maternal, newborn, and child health" volume of Disease Control Priorities in Developing Countries, 3rd edition. Editors: Jamison DT, Gelband H, Jha P, Horton S, Lazminarayan R, R N. 2016.
- Wang H, Naghavi M, Allen C, Vollset SE, Knudsen AK, **Hailu A**, **Norheim OF**, Bjertness E, Htet AS, Søreide K, Weiderpass E, White R, Krog NH. Global, regional, and national life expectancy, all-cause mortality, and cause-specific mortality for 249 causes of death, 1980-2015: a systematic analysis for the Global Burden of Disease Study 2015. *The Lancet* 2016; Volum 388. (10053) s.1459-1544.

### HIV

- Foissac F, **Blume J**, Tréluyer JM, **Tylleskär T**, Kankasa C, Meda N, Tumwine JK, Singata M, Harper K, Illamola SM, Bouazza N, Nagot N, Van de Perre P, Blanche S, Hirt D. Are prophylactic and therapeutic target concentrations different? The case of lopinavir/ritonavir or lamivudine administered to infants for the prevention of mother-to-child HIV-1 transmission during breastfeeding. *Antimicrobial Agents and Chemotherapy* 2016
- Hegdahl HK, **Fylkesnes K**, **Sandøy IF**. Sex differences in HIV prevalence persist over time: Evidence from 18 countries in Sub-Saharan Africa. *PLoS ONE* 2016; Volum 11:e0148502.(2)
- Katirayi L**, Namadingo H, Phiri M, Bobrow EA, Ahimbisibwe A, Berhan AY, Buono N, **Moland KM**, **Tylleskär T**. HIV-positive pregnant and postpartum women's perspectives about Option B+ in Malawi: A qualitative study. *Journal of the International AIDS Society* 2016; Volum 19. (1)

- Kibira SPS, Sandøy IF, Daniel M, Atuyambe LMu, Makumbi FE.** A comparison of sexual risk behaviours and HIV seroprevalence among circumcised and uncircumcised men before and after implementation of the safe male circumcision programme in Uganda Global health. *BMC Public Health* 2016; Volum 16:7.
- Mchunu G, van Griensven J, **Hinderaker SG, Kizito W, Sikhondze W, Manzi M, Dlamini T, Harries AD.** High mortality in tuberculosis patients despite HIV interventions in Swaziland. *Public Health Action* 2016; Volum 6. (2) p.105-110
- Mwangala SM, Musonda KG, Monze M, Musukwa KK, Fylkesnes K.** Accuracy in HIV rapid testing among laboratory and non-laboratory personnel in Zambia: Observations from the national HIV proficiency testing system. *PLoS ONE* 2016; Volum 11:e0146700. (1)
- Nagot N, Kankasa C, Tumwine JK, Meda N, Hofmeyr GJ, Vallo R, Mwiya M, Kwagala M, Traore H, Sunday A, Singata M, Siuluta C, **Some E, Rutagwera D, Neboua D, Ndeezi G, Jackson D, Maréchal V, Neveu D, Engebretsen IM, Lombard C, Blanche S, Sommerfelt H, Rekacewicz C, Tylleskär T, Van de Perre P; ANRS 12174 Trial Group.** Extended pre-exposure prophylaxis with lopinavir-ritonavir versus lamivudine to prevent HIV-1 transmission through breastfeeding up to 50 weeks in infants in Africa (ANRS 12174): a randomised controlled trial. *Lancet*. 2016 Feb 6;387(10018):566-73. doi: 10.1016/S0140-6736(15)00984-8. Epub 2015 Nov 19.
- Poudel-Tandukar K, **Chandyo RK.** Dietary B vitamins and serum C-reactive protein in persons with Human Immunodeficiency Virus Infection: the positive living with HIV (POLH) Study. *Food and Nutrition Bulletin* 2016; Volum 37. (4) p. 517-528
- Sanosyan A, **Rutagwera DG, Moles JP, Bollere K, Peries M, Kankasa C, Mwiya M, Tylleskär T, Nagot N, Van de Perre P, Tuaillon, E.** Increased Epstein-Barr virus in breast milk occurs with subclinical mastitis and HIV shedding. *Medicine (Baltimore, Md.)* 2016; Volum 95. (27)

## Malaria

- Ayana, TG, Kenea O, Loha E, Deressa W, Hailu A, Balkew M, Gebre-Michael T, Robberstad B, Overgaard HJ, Lindtjorn B.** Malaria incidence and entomological findings in an area targeted for a cluster-randomized controlled trial to prevent malaria in Ethiopia: Results from a pilot study. *Malaria Journal* 2016; Volum 15:145.
- Deressa W, Loha E, Balkew M, **Hailu A, Ayana TG, Kenea O, Overgaard HJ, Gebremichael T, Robberstad B, Lindtjorn B.** Combining long-lasting insecticidal nets and indoor residual spraying for malaria prevention in Ethiopia: Study protocol for a cluster randomized controlled trial. *Trials* 2016; Volum 17:20.
- Hailu A, Lindtjorn B, Deressa W, Gari T, Loha E, Robberstad B.** Equity in long-lasting insecticidal nets and indoor residual spraying for malaria prevention in a rural South Central Ethiopia. *Malaria Journal* 2016; Volum 15:366.
- Kenea O, Balkew M, Tekie H, Gebre-Michael T, Deressa W, Loha E, **Lindtjorn B, Overgaard HJ.** Human-biting activities of Anopheles species in south-central Ethiopia. *Parasites & Vectors* 2016; Volum 9:527. p. 1-12
- Shikur B, Deressa W, **Lindtjorn B.** Association between malaria and malnutrition among children aged under-five years in Adami Tulu District, south-central Ethiopia: A case-control study. *BMC Public Health* 2016; Volum 16:174.

## Mother/child

- Banda R, Sandøy IF, Fylkesnes K, Janssen F.** Lifetime risk of pregnancy-related death among Zambian women: district-level estimates from the 2010 census. *Journal of Population Research* 2016; Volum 33. (3) p. 263-281
- Bærug AB, Langsrud Ø, Løland BF, Tufte E, **Tylleskär T, Fretheim A.** Effectiveness of Baby-friendly community health services on exclusive breastfeeding and maternal satisfaction: a pragmatic trial. *Maternal and Child Nutrition* 2016; Volum 12. (3) p. 428-439

- Chimhutu V, Songstad NG, Tjomsland M, Mrisho M, **Moland KM**. The inescapable question of fairness in Pay-for-performance bonus distribution: A qualitative study of health workers' experiences in Tanzania. *Globalization and Health* 2016; Volum 12:77. p. 1-12
- Corosky GJ, Blystad A**, Staying healthy "under the sheets": Inuit youth experiences of access to sexual and reproductive health and rights in Arviat, Nunavut, Canada. *International Journal of Circumpolar Health* 2016; Volum 75:31812.
- Edmond K, Newton S, Hurt L, Shannon, CS, Kirkwood BR, Mazumder S, Taneja S, Bhandari N, Smith ER, Honorati M, Fawzi W, Piwoz E, Yoshida S, **Martines JC**, Bahl R. Timing of initiation, patterns of breastfeeding, and infant survival: Prospective analysis of pooled data from three randomised trials. *The Lancet Global Health* 2016; Volum 4. (4) p. e266-e275
- Eide KT, **Fadnes LT, Engebretsen IMS**, Onarheim KH, Wamani H, Tumwine JK, Norheim OF. Impact of a peer-counseling intervention on breastfeeding practices in different socioeconomic strata: results from the equity analysis of the PROMISE-EBF trial in Uganda. *Global health action* 2016; Volum 28. (30578)
- Eriksson A, Gerdin M, Garfield R, **Tylleskär T**, von Schreeb J. How bad is it? Usefulness of the "7eed Model" for scoring severity and level of need in complex emergencies. *PLOS Currents* 2016
- Fadnes LT, Nankabirwa V, Engebretsen IMS, Sommerfelt, Birungi N**, Lombard C, Swanevelder S, **Van den Broeck J, Tylleskär T**, Tumwine JK. Effects of an exclusive breastfeeding intervention for six months on growth patterns of 4-5 year old children in Uganda: The cluster-randomised PROMISE EBF trial. *BMC Public Health* 2016; Volum 16.
- Flenady V, Wojcieszek AM, Fjeldheim I, Friberg I, **Nankabirwa V**, Jani-Bølstad J, Myhre S, Middleton P, Crowther C, Ellwood D, Tudehope D, Pattinson R, Ho J, Matthews J, Ortega AB, Venkateswaran M, Chou D, Say L, Mehl G, **Frøen F**. eRegistries: indicators for the WHO Essential Interventions for reproductive, maternal, newborn and child health. *BMC Pregnancy and Childbirth* 2016; Volum 16.
- Fredriksen EH, Harris J, **Moland KM**. Web-based discussion forums on pregnancy complaints and maternal health literacy in Norway: A qualitative study. *Journal of Medical Internet Research* 2016; Volum 18:e113. (5)
- Gjerde JL, **Rørtveit G**, Muleta M, Adefris M, **Blystad A**. Living with pelvic organ prolapse: voices of women from Amhara region, Ethiopia. *International Urogynecology Journal* 2016; Volum Published ahead of print.
- Henjum S, Malde MK, Ulak M, **Chandyo RK**, Shrestha PS, Frøyland L, Strydom EE, Dhansay MA, **Strand TA**. Iodine concentration in breastmilk and urine among lactating women of Bhaktapur, Nepal. *Nutrients* 2016; Volum 8. (5) p. 255
- Johansson EW, Kitutu FE, Mayora C, **Awor P**, Peterson SS, Wamani H, Hildenwall H. It could be viral but you don't know, you have not diagnosed it: Health worker challenges in managing non-malaria paediatric fevers in the low transmission area of Mbarara District, Uganda. *Malaria Journal* 2016; Volum 15:197
- Kashala Abotnes E**, Mumbere PP, Mishika JM, Ndjukendi AO, Mpaka DB, Bumoko Makila-Mabe G, Kayembe TK, Tshala-Katumbay D, Kazadi TK, Okitundu DL-A. Lead exposure and early child neurodevelopment among children 12–24 months in Kinshasa, the Democratic Republic of Congo. *European Child and Adolescent Psychiatry* 2016; Volum Published ahead of print.
- Katirayi LG**, Chouraya C, Kudiabor K, Mahdi MA, Kieffer MP, **Moland KM, Tylleskär T**. Lessons learned from the PMTCT program in Swaziland: challenges with accepting lifelong ART for pregnant and lactating women - a qualitative study. *BMC Public Health* 2016; Volum 16:1119.(1) p. 1-11
- Leisher SH, Teoh Z, Reinebrant HE, Allanson ER, Blencowe H, Erwich JJ, **Frøen F**, Gardosi J, Gordijn SJ, Gülmezoglu AM, Heazell AEP, Korteweg F, Lawn J, McClure EM, Pattinson R, Smith GCS, Tunçalp Ö, Wojcieszek AM, Flenady V. Classification systems for causes of stillbirth and neonatal death, 2009-2014: an assessment of alignment with characteristics for an effective global system. *BMC Pregnancy and Childbirth* 2016; Volum 16.
- Lombard C, Cousens S, **Tylleskär T**, Van de Perre P, Nagot N. "Trial size, HIV pre-exposure prophylaxis, and breastfeeding – Authors' reply". *Lancet*. 2016 May 21;387(10033):2091.

- Melberg A**, Diallo AH, **Ruano AL**, **Tylleskär T**, **Moland KM**. Reflections on the unintended consequences of the promotion of institutional pregnancy and birth care in Burkina Faso. *PLoS ONE* 2016; Volum 11. (6)
- Melberg A**, Diallo AH, **Tylleskär T**, **Moland KM**. 'We saw she was in danger, but couldn't do anything': Missed opportunities and health worker disempowerment during birth care in rural Burkina Faso. *BMC Pregnancy and Childbirth* 2016; Volum 16:292. p. 1-11
- Mirkuzie AH**, Sisay MM, Bedane MM. High proportions of obstetric referrals in Addis Ababa: The case of term premature rupture of membranes Emergency Medicine. *BMC Research Notes* 2016; Volum 9:40.
- Nganjo Phiri S**, **Fylkesnes K**, **Moland KM**, Byskov J, Kiserud T. Rural-urban inequity in unmet obstetric needs and functionality of emergency obstetric care services in a Zambian district. *PLoS ONE* 2016; Volum 11. (1)
- Pejovic N**, Trevisanuto D, Nankunda JK, **Tylleskär T**. Pilot manikin study showed that a supraglottic airway device improved simulated neonatal ventilation in a low-resource setting. *Acta Paediatrica* 2016; Volum 105. (12) p.1440-1443
- Rollins NC, Bhandari N, Hajeerbhoy N, Horton S, Lutter CK, **Martines JC**, Piwoz EG, Richter LM, Victora, Cesar G. Why invest, and what it will take to improve breastfeeding practices? *The Lancet* 2016; Volum 387. (10017) p. 491-504
- Sandøy IF**, Mudenda M, Zulu J, Munsaka E, **Blystad A**, Makasa M, Mæstad O, Tungodden B, Jakobs C, **Kampata LM**, **Fylkesnes K**, **Svanemyr J**, **Moland KM**, **Banda R**, Musonda P. Effectiveness of a girls' empowerment programme on early childbearing, marriage and school dropout among adolescent girls in rural Zambia: study protocol for a cluster randomized trial. *Trials* 2016; Volum 17. (588)
- Sow SO, Muhsen K, Nasrin D, Blackwelder WC, Wu Y, Farag TH, Panchalingam S, Sur D, Zaidi AKM, Faruque ASG, Saha D, Adegbola RA, Alonso PL, Breiman RF, Bassat Q, Tamboura B, Sanogo D, Onwuchekwa U, Manna B, Ramamurthy T, Kanungo S, Ahmed S, Qureshi S, Quadri F, Hossain A, Das SK, Antonio M, Hossain MJ, Mandomando I, Nhampossa T, Acácio S, Omore R, Oundo JO, Ochieng JB, Mintz ED, O'Reilly CE, Berkeley LY, Livio S, Tennant SM, **Sommerfelt H**, Nataro JP, Ziv-Baran T, Robins-Browne RM, Mishcherkin V, Z J, Liu J, Houpt ER, Kotloff KL, Levine MM. The Burden of Cryptosporidium Diarrheal Disease among Children < 24 Months of Age in Moderate/High Mortality Regions of Sub-Saharan Africa and South Asia, Utilizing Data from the Global Enteric Multicenter Study (GEMS). *PLoS Neglected Tropical Diseases* 2016; Volum 10. (5)
- Tesfaye R, Worku A, Godana W, **Lindtjorn B**. Client satisfaction with delivery care service and associated factors in the public health facilities of Gamo Gofa zone, southwest Ethiopia: In a resource limited setting. *Obstetrics and Gynecology International* 2016; Volum 2016:5798068. p. 1-7
- Tylleskär T**, Bærug A. "Breastfeeding: the medical profession sweeping at its own doorstep. *Lancet Glob Health*." 2016 Apr;4(4):e219-20
- Vaga, B. B., **Moland, K. M.**, & **Blystad, A.** (2016). Boundaries of confidentiality in nursing care for mother and child in HIV programmes. *Nursing Ethics*, 23(5), 576-586.



## Nutrition

- Aakre I, Strand TA**, Bjørø T, Nordheim I, Barikmo I, Ares S, Alcorta MD, Henjum S. Thyroid function among breastfed children with chronically excessive iodine intakes. *Nutrients* 2016; Volum 8:398. (7)
- Aune D, Keum N, Giovannucci E, **Fadnes LT**, Boffetta P, Greenwood DC, Tonstad S, Vatten LJ, Riboli E, Norat T. Nut consumption and risk of cardiovascular disease, total cancer, all-cause and cause-specific mortality: A systematic review and dose-response meta-analysis of prospective studies. *BMC Medicine* 2016; Volum 14. (207)
- Bumbangi NF, Muma JB, Choongo K, Mukanga M, Velu MR, Veldman F, **Hatloy A**, Mapatano MA (2016). Occurrence and factors associated with aflatoxin contamination of raw peanuts from Lusaka district's markets, Zambia. *Food Control*, 68:291-296.
- Chandyo, RK**, Ulak M, **Sommerfelt H**, Schneede J, Ueland PM, **Strand TA**. Nutritional intake and status of cobalamin and folate among non-pregnant women of reproductive age in Bhaktapur, Nepal. *Nutrients* 2016; Volum 8:375.(6)
- Dratva J, Bertelsen RJ, Janson C, **Johannessen A**, Benediktsdóttir B, Bråbäck L, Dharmage SC, Forsberg B, Gislason P, Jarvis D, Jögi R, Lindberg E, Norbäck D, Omenaas E, Skorge, TD, Sigsgaard T, Torén K, Waatevik MJ, Wieslander G, Schlünssen V, **Svanes, Cecilie**; Gomez Real, Francisco. Validation of self-reported figural drawing scales against anthropometric measurements in adults. *Public Health Nutrition* 2016; Volum 19.(11) s.1944–1951
- Keum AD, Giovannucci E, **Fadnes LT**, Boffetta P, Greenwood DC, Tonstad S, Vatten LJ, Riboli E, Norat T. Whole grain consumption and risk of cardiovascular disease, cancer, and all cause and cause specific mortality: systematic review and dose-response meta-analysis of prospective studies. *BMJ*. 2016 Jun 14;353:i2716. doi: 10.1136/bmj.i2716. Review.
- Kirunda TBE**, Wamani H, **Fadnes LT**, **Van den Broeck J**, **Tylleskär T**. Objectively assessed physical activity and associated factors among adults in peri-urban and rural Eastern Uganda: a population-based study. *Journal of Physical Activity and Health* 2016; Volum 13. (11) s.1243-1254
- Kumar T, Taneja S, Sachdev HS, Refsum H, Yajnik CS, Bhandari N, **Strand TA**. Supplementation of vitamin B12 or folic acid on hemoglobin concentration in children 6-36 months of age: A randomized placebo controlled trial. *Clinical Nutrition* 2016
- Nsabuwerwa V, Hedt-Gauthier B, Khogali M, Edginton M, **Hinderaker SG**, Nisingizwe MP, Tihabyona JDD, Sikubwabo B, Sembagare S, Habinshuti A, Drobac P. Making progress towards food security: Evidence from an intervention in three rural districts of Rwanda. *Public Health Nutrition* 2016; Volum 19. (7) p.1296-1304
- Schwinger C**, **Fadnes LT**, **Shrestha SK**, **Shrestha PS**, **Chandyo RK**, **Shrestha B**, Ulak M, Bodhidatta L, Mason CJ, **Strand TA**. Predicting undernutrition at age 2 years with early attained weight and length compared with weight and length velocity. *Journal of Pediatrics* 2016 [EPUB]
- Schwinger C**, **Fadnes LT**, **Van den Broeck J**. Using growth velocity to predict child mortality. *American Journal of Clinical Nutrition* 2016; Volum 103. (3) p. 801-807
- Ulak M, **Chandyo RK**, Thorne-Lyman AL, Henjum S, Ueland PM, Midttun Ø, Shrestha PS, Fawzi WW, Graybill L, **Strand TA**. Vitamin status among breastfed infants in Bhaktapur, Nepal. *Nutrients* 2016; Volum 8:149. (3)

## Occupational and environmental health

- Albert-Sabater JA, Martínez JM, Baste V, **Moen BE**, Ronda-Pérez E. Comparison of menstrual disorders in hospital nursing staff according to shift work pattern. *Journal of Clinical Nursing* 2016; Volum 25. (21-22) p. 3291-3299
- Alsaker K, **Moen BE**, Baste V, Morken T. How Has Living with Intimate Partner Violence Affected the Work Situation? A Qualitative Study among Abused Women in Norway. *Journal of family Violence* 2016; Volum 31. (4) p. 479-487
- Friberg KS, Husebø SIE, **Olsen ØE**, Hansen BS. Interprofessional trust in emergency department – as experienced by nurses in charge and doctors on call. *Journal of Clinical Nursing* 2016; Volum 25. (21/22) s.3252-3260
- Hanoa ROH, **Moen BE**. Ebola care and lack of consensus on personal protective respiratory equipment. *Workplace Health & Safety* 2016; Volum 64. (2) s.48-50
- Irgens-Hansen K, Baste V, Bråtveit M, Lind O, Koefoed VF, **Moen BE**. Hearing loss in the Royal Norwegian Navy: A longitudinal study. *Noise & Health* 2016; Volum 18.(82) p. 157–165
- Lasrado OE, Møllerlækken OJ, **Moen BE**; Van den Bergh G. Musculoskeletal symptoms among hospital cleaners. *Archives of Environmental and Occupational Health* 2016 [EPUB]
- Moen BE, Kayumba A, Sakwari G, Mamuya SH, Bråtveit M. Endotoxin, dust and exhaled nitrogen oxide among hand pickers of coffee; a cross-sectional study. *J Occup Med Toxicol.* 2016 Apr 12;11:17.
- Nigatu AW**, Bråtveit M, **Moen BE**. Self-reported acute pesticide intoxications in Ethiopia. *BMC Public Health* 2016; Volum 16. (1)
- Reknes I, Einarsen S, Pallesen S, Bjorvatn B, **Moen BE**, Magerøy N. Exposure to bullying behaviors at work and subsequent symptoms of anxiety: The moderating role of individual coping style. *Industrial Health* 2016; Volum 54. (5) p. 421-432
- Sunde E, Bråtveit M, Pallesen S, **Moen BE**. Noise and sleep on board vessels in the Royal Norwegian Navy. *Noise & Health* 2016; Volum 18. (81) p. 85-92
- Thun E, Bjorvatn B, Åkerstedt T, **Moen BE**, Waage S, Molde H, Pallesen S. Trajectories of sleepiness and insomnia symptoms in Norwegian nurses with and without night work and rotational work. *Chronobiology International* 2016; Volum 33. (5) p. 480-489
- Thun E, Le Hellard S, Osland TM, Bjorvatn B, **Moen BE**; Magerøy N, Steen VM, Giddaluru S, Brattbakk HR, Pallesen S. Circadian clock gene variants and insomnia, sleepiness, and shift work disorder. *Sleep and Biological Rhythms* 2016; Volum 14. (1) p. 55–62
- Tjalvin G, Magerøy N, Bråtveit M, Lygre SHL, Hollund BE, **Moen BE**. Odour as a determinant of persistent symptoms after a chemical explosion, a longitudinal study. *Industrial Health* 2016 [EPUB]

## Non-communicable diseases

- Amaral, AFS, Newson RB, Abramson MJ, Antó JM, Bono R, Corsico AG, de Marco R, Demoly P, Forsberg B, Gíslason P, Heinrich J, Huerta I, Janson C, Jögi R, Kim J-L, Maldonado JA, Rovira JM-M, Neukirch C, Nowak D, Pin I, Probst- Hensch NM, Raherison-Semjen C, **Svanes C**, Landa IU, van Ree R, Versteeg SA, Weyler J, Zock, JP, Burney PGJ, Jarvis DL. Changes in IgE sensitization and total IgE levels over 20 years of follow-up. *Journal of Allergy and Clinical Immunology* 2016; Volum 137.(6) p. 1788–1795.e9
- Bertelsen, RJ, Svanes Ø, Madsen AM, Hollund BE, Kirkeleit J, Sigsgaard T, Uhrbrand K, Do TV, Aasen TOB, **Svanes C**. Pulmonary illness as a consequence of occupational exposure to shrimp shell powder. *Environmental Research* 2016; Volum 148. p. 491-499
- Christensen SH, Timm S, Janson C, Benediktsdóttir B, Forsberg B, Holm M, Jogi R, Johannessen A, Omenaas E, Sigsgaard T, **Svanes C**, Schläpss V. A clear urban-rural gradient of allergic rhinitis in a population-based study in Northern Europe. *European Clinical Respiratory Journal* 2016; Volum 3. (1)

- Dai X, Dharmage SC, Lowe AJ, Allen KJ, Thomas PS, Perret JL, Waidyatillake N, Matheson MC, **Svanes C**, Welsh L, Abramson MJ, Lodge CJ. Early smoke exposure is associated with asthma and lung function deficits in adolescents. *Journal of Asthma* 2016
- Dratva J, Bertelsen RJ, Janson C, **Johannessen A**, Benediktsdóttir B, Bråbäck L, Dharmage SC, Forsberg B, Gislason Þ, Jarvis D, Jögi R, Lindberg E, Norbäck D, Omenaas E, Skorge, TD, Sigsgaard T, Torén K, Waatevik MJ, Wieslander G, Schlünssen V **Svanes, Cecilie**; Gomez Real, Francisco. Validation of self-reported figural drawing scales against anthropometric measurements in adults. *Public Health Nutrition* 2016; Volum 19.(11) p. 1944-1951
- Dratva J, Zemp E, Dharmage SC, Accordini S, Burdet L, Gislason Þ, Heinrich J, Janson C, Jarvis, DL, de Marco R, Norbäck D, Pons M, Gomez Real F, Sunyer J, Villani S, Probst-Hensch NM, **Svanes C**. Early life origins of lung ageing: Early life exposures and lung function decline in adulthood in two European cohorts aged 28–73 years. *PLoS ONE* 2016; Volum 11. (1)
- Erdal M, **Johannessen A**, Eagan, TM, Bakke PS, Gulsvik A, Grønseth R. Incidence of utilization- and symptom-defined COPD exacerbations in hospital- and population-recruited patients. *The International Journal of Chronic Obstructive Pulmonary Disease* 2016; Volum 11.(1) p. 2099–2108
- Gislason Þ, Bertelsen RJ, Gomez Real F, Sigsgaard T, Franklin KA, Lindberg E, Janson C, Arnardóttir ES, Hellgren J, Benediktsdóttir B, Forsberg B, **Johannessen A**. Self-reported exposure to traffic pollution in relation to daytime sleepiness and habitual snoring: a questionnaire study in seven North-European cities. *Sleep Medicine* 2016; Volum 24. p. 93-99
- Olivieri M, Heinrich J, Schlünssen V, Antó JM, Forsberg B, Janson C, Leynaert B, Norback D, Sigsgaard T, **Svanes C**, Tischer C, Villani S, Jarvis DL, Verlato G. The risk of respiratory symptoms on allergen exposure increases with increasing specific IgE levels. *Allergy. European Journal of Allergy and Clinical Immunology* 2016; Volum 71. (6) p. 859–868
- Perret JL, Walters H, Johns D, Gurrin L, Burgess J, Lowe A, Thompson B, Markos J, Morrison S, Thomas P, McDonald C, Wood-Baker R, Hopper J, **Svanes C**, Giles G, Abramson M, Matheson M, Dharmage S. Mother's smoking and complex lung function of offspring in middle age: A cohort study from childhood. *Respirology (Carlton South. Print)* 2016; Volum 21. (5) p. 911-919
- Quanjer P, Ruppel GL, Langhammer A, Krishna A, Mertens F, **Johannessen A**, Menezes A, Wehrmeister F, Perez-Padilla R, Swanney M, Tan WC, Bourbeau J. Bronchodilator response in FVC is larger and more relevant than in FEV1 in severe airflow obstruction. *Chest* 2016
- Svanes C**, Koplin J, Skulstad SM, **Johannessen A**, Bertelsen RJ, Benediktsdóttir B, Bråbäck L, Carsin AE, Dharmage S, Dratva J, Forsberg B, Gislason T, Heinrich J, Holm M, Janson C, Jarvis D, Jögi R, Krauss-Etschmann S, Lindberg E, Macsali F, Malinowski A, Modig L, Norbäck D, Omenaas E, Saure EW, Sigsgaard T, Skorge TD, Svanes Ø, Torén K, Torres C, Schlünssen V, Gomez Real F. Father's environment before conception and asthma in his children: A multi-generation analysis of the Respiratory Health in Northern Europe Study. *International Journal of Epidemiology* 2016
- Triebner K, Matulonga B, **Johannessen A**, Suske S, Benediktsdóttir B, Demoly P, Dharmage S, Franklin KA, Garcia-Aymerich J, Blanco JM, Heinrich J, Holm M, Jarvis D, Jögi R, Lindberg E, Rovira JMM, Muniozguren Agirre N, Pin I, Probst-Hensch N, Puggini L, Raherison C, **Sánchez-Ramos JL**, Schlünssen V, Sunyer J, **Svanes C**, Hustad SS, Leynaert B, Gomez Real F. Menopause is associated with accelerated lung function decline. *American Journal of Respiratory and Critical Care Medicine* 2016
- Vara EJ, **Svanes C**, Skorge TD, Berstad AKH, Florvaag E, Jarvis DL, Omenaas E, Waatevik MJ, **Johannessen A**, Lied GA. Functional Gastrointestinal Symptoms Are Associated with Higher Serum Total IgE Levels, but Less Atopic Sensitization. *Digestive Diseases and Sciences* 2016; Volum 61. (1) p.189-197

## Tuberculosis

- Hamusse SD**, Teshome D, Hussen MS, Demissie M, **Lindtjorn B**. Primary and secondary anti-tuberculosis drug resistance in Hitossa District of Arsi Zone, Oromia Regional State, Central Ethiopia. *BMC Public Health* 2016; Volum 16:593. p. 1-10
- Kilale AM**, Ngadaya ES, **Muhumuza J**, Kagaruki GB, Lema YL, Ngowi BJ, Mfinanga SGM, **Hinderaker SG**. Who has mycobacterial disease? A cross sectional study in agropastoral communities in Tanzania. *PLoS ONE* 2016; Volum 11. (5)
- Lin Y, Chiang CY, Rusen ID, **Hinderaker SG**, RoldanA, Heldal E, Enarson DA, Zhang L-X. Did FIDELIS projects contribute to the detection of new smear-positive pulmonary tuberculosis cases in China? *Public Health Action* 2016; Volum 6. (3) p. 176-180
- Mchunu G, van Griensven J, **Hinderaker SG**, Kizito W, Sikhondze W, Manzi M, Dlamini T, Harries AD. High mortality in tuberculosis patients despite HIV interventions in Swaziland. *Public Health Action*. 2016 21;6(2):105-10. doi: 10.5588/pha.15.0081.
- Purohit M, Sviland L, Diwan R, Wiker HG, **Mustafa T**. 2016. Rapid and specific diagnosis of extra-pulmonary tuberculosis by immunostaining of tissues and aspirates with anti-MPT64. *Appl Immunohistochem Mol Morphol*. 2016 Jan 13. PMID:26766121
- Senkoro MF**, Kumar AMV, Chinnakali P, Mfinanga SGM, Egwaga SM, Kamara DV, Van Leth FCM, **Hinderaker, SG**. Population impact of factors associated with prevalent pulmonary tuberculosis in Tanzania. *The International Journal of Tuberculosis and Lung Disease* 2016; Volum 20. (10) p. 1326-1333
- Senkoro MF**, Mfinanga SGM, Egwaga SM, Mtandu R, Kamara DV, Basra D, Fundikira L, Kahwa AM, Shirima, RP, Range NS, **Hinderaker SG**, Van Leth FCM. Prevalence of pulmonary tuberculosis in adult population of Tanzania: A national survey, 2012. *The International Journal of Tuberculosis and Lung Disease* 2016; Volum 20. (8) p. 1014-1021
- Uppada DR, Selvam S, Jesuraj N, Lau EL, Doherty T M, Grewal H, Vaz Mario, **Lindtjorn B**. Incidence of tuberculosis among school-going adolescents in South India. *BMC Public Health* 2016; Volum 16:641.

## Others

- Kirunda TBE**, Wamani H, Fadnes LT, Van den Broeck J, Tylleskär T. Objectively assessed physical activity and associated factors among adults in peri-urban and rural Eastern Uganda: a population-based study. *Journal of Physical Activity and Health* 2016; Volum 13. (11) s.1243-1254
- Porter CK, Riddle MS, Alcala AN, Sack DA, Harro C, Chakraborty S, Gutierrez RL, Savarino SJ, Darsley M, McKenzie R, DeNearing B, **Steinsland H**, Tribble DR, Bourgeois AL. An evidenced-based scale of disease severity following human challenge with enterotoxigenic *Escherichia coli*. *PLoS ONE* 2016; Volum 11:e0149358. (3)
- Råheim, Målfrid; Magnussen, Liv H; Sekse, Ragnild; Lunde, Åshild; Jackobsen, Thorild; **Blystad, Astrid** (2016). Researcher–researched relationship in qualitative research: Shifts in positions and researcher vulnerability. *International Journal of Qualitative Studies on Health and Well-being*, 11: 10.
- Taxt AM**, Diaz Y, Aasland R, Clements JD, Nataro JP, **Sommerfelt H**, Puntervoll P. Towards rational design of a toxoid vaccine against the heatstable toxin of *Escherichia coli*. *Infection and Immunity* 2016; Volum 84. (4) s.1239-1249





Photo: Thorkild Tylleskär





---

[uib.no/cih/en](http://uib.no/cih/en)