The Teaching and Training Unit (T&T), led by Axel Hoffmann, is responsible for all undergraduate, graduate, doctoral and post-graduate professional training activities at Swiss TPH. The continuous pursuit of “mutual learning for change” is the unit’s guiding principle and has been a distinct feature of all teaching and training activities at the institute since its creation.

An overview of teaching and training activities to which the unit contributes significantly (teaching, programme development and administration) is given in Figure 1. Swiss TPH staff also engages in teaching and training activities beyond the unit’s activities, collaborating with many national and international research institutions and involving colleagues from all departments. A comprehensive teaching inventory is currently being developed to reflect the full scope of Swiss TPH’s teaching and training activities. Recent developments in transferring research and service experience into teaching, training, and learning are outlined in Key Area 13: Transferring Research and Service Experiences into Teaching, Training and Learning.

Student Secretariat

The Student Secretariat is the core facility of the unit. The secretariat deals with all administrative issues for Bachelor, Master, and Doctoral students and for participants in the numerous postgraduate professional training programmes offered by the institute. It is also the primary point of contact for students and teachers of the various programmes. The secretariat provides academic counselling for students and produces informational materials, such as brochures and the Student Handbook.

Bachelor- and Master-Level Teaching at the University of Basel Faculty of Science

At the bachelor level, we offer two courses (Protozoology, Parasitology and Parasitism) in the first year and a block

The Information and Documentation Centre

The Information and Documentation Centre plays a vital role in disseminating scientific information and satisfies the growing need for library services that rely on electronic resources, such as online data sources, library catalogues, scientific databases, electronic journals and many more. The library team offers assistance, guidance and training for students and other users seeking access to scientific information. The team organises the vast array of publications and maintains the Swiss TPH website (http://www.swisstph.ch). The centre not only serves scientists in Switzerland, but also assists partner institutions in the South to increase and improve their library services.

Knowledge Management and eLearning

Knowledge Management (KM) is also part of the Teaching and Training Unit’s portfolio. Swiss TPH takes a holistic approach to KM, with the aim of providing its staff with the relevant and current information and knowledge they need to perform at the highest standards. The KM group focuses on people and organisational structures, and new technologies such as document management systems, to facilitate and support the KM process. We also provide KM support, including solutions for project communication and knowledge dissemination, for big international projects like Accessing Medicines in Africa and South Asia (AMASA), a three-year research project funded under the European Union’s Framework Programme 7 and coordinated by Swiss TPH’s Society, Gender and Health Unit.

Developing, implementing and applying eLearning programmes has been part of Swiss TPH’s teaching and training activities since 2000. Educational software for the bachelor course on Infection Biology and Parasitology is available in German and English (www.infektionsbiologie.ch). An updated version of “Introduction to Diagnostic Medical Parasitology” is another impressive self-directed eLearning tool designed by Swiss TPH. Students can learn about the most important helminth and protozoan diseases affecting humans through a series of short overviews of various parasites, diseases, diagnostic methods and strategies. More importantly, they can improve their diagnostic capabilities by using a virtual microscope. The programme is accessible for free through the internet (www.parasite-diagnosis.ch).

The East African Telemedicine and eLearning Network (EATEN), is another important Swiss TPH eLearning project that aims to improve the quality of training for Assistant Medical Officers (AMO) and to create eLearning development capacities at the Tanzanian Training Centre for International Health (TTCH) in Ifakara, Tanzania. eLearning modules were developed in cooperation with our Tanzanian partners and with support from the Novartis Foundation for Sustainable Development. This project is part of Swiss TPH’s eHealth strategy.
course in the third year. The six-week block course on “Infection Biology and Epidemiology” attracts a high number of interested students: in 2010, 48 students registered, and for the 2012/13 academic year more than 50 students have already announced their interest in following this intensive course. Unfortunately, limited laboratory facilities for practical work require us to limit the number of participants to 40 to allow for an adequate teaching and learning experience.

In 2011, Swiss TPH established two new specialised Master programmes: the MSc in Epidemiology and the MSc in Infection Biology (see Key Area 13). For the 2012/13 academic year, 68 students applied for one of the new MSc programmes.

The last 33 students from the former combined MSc in Infection Biology and Epidemiology graduated in February 2012.

Between 2010 and 2012, seven students graduated from the MSc programme on Infectious Diseases, Vaccinology and Drug Discovery, jointly run with the National University of Singapore, the Biozentrum of the University of Basel and the Novartis Institute for Tropical Diseases (Singapore).

**Faculty of Medicine**

Swiss TPH is responsible for teaching the Public Health and Travel Medicine programme and also participates in teaching parasitology.

At the bachelor level, Swiss TPH coordinates the three-week block course “Körper, Subjekt, Umwelt”, to which many Swiss TPH researchers contribute through interactive seminars. During the second year of study, we provide computer-assisted training in statistics and contribute to seminars on scientific methods in medical research. During the third year, a practical is organised to allow each medical student insight into one of the institutions of Basel’s psychosocial network.

At the master level, important Public Health topics are discussed in a series of lectures and seminars. Swiss TPH also contributes to organising and teaching during the “Wissenschafssmonat”, in the last year of studies. Swiss TPH staff also supervises medical master’s theses on various topics.

**Faculty of Arts**

Through modules on epidemiology, medical anthropology and ecology, Swiss TPH contributes significantly to the MA in African Studies offered by the Faculty of Arts and Humanities.
Doctoral Students
More than 170 students are enrolled in PhD studies at Swiss TPH in the areas of microbiology, cell biology, zoology and epidemiology. Over the last two years, 57 students were awarded a PhD degree by the University of Basel. In addition to contributing to PhD programme development (see Key Area 13), Swiss TPH researchers also supervised MD and DVM theses and several students completed their degree (see list below).

The T&T Unit also coordinates and administers the SSPH+ PhD programme.

Professional Postgraduate Teaching and Training
Since its foundation, Swiss TPH has offered courses and programmes for health professionals holding a first degree. In the field of academic, university-accredited programmes in continuous education, the institute either leads or substantially contributes to a variety of Master of Advanced Studies (MAS) programmes, Diploma of Advanced Studies (DAS) programmes, several Certificate of Advanced Studies (CAS) and various certificate short courses.

Master in International Health (MIH) — A successful collaboration with European, African, Asian, Australian and Central American Partners
For nearly 20 years, Swiss TPH has been a driving force within tropEd — the network for education in international health, which developed and implemented Master in International Health programmes in several European universities. Swiss TPH has run the MIH programme officially since 2001, the year it was accredited by the University of Basel. The part-time course, which is equivalent to a one-year full-time programme (60 ECTS), has a number of unique features. First, students can not start and finish their studies at Swiss TPH only, but must take a substantial amount of accredited short courses in one of the more than 30 universities in Europe, Africa, Asia, Australia or Central America. Second, students can sequence their study over a period of five years. Third, the Master programme curriculum takes into account changes in the field in international health, which has shifted emphasis from tropical medicine to international public health issues. Finally, the course promotes an exchange of ideas and resources (rather than the classical one-way transfer of knowledge) and encourages collaboration and coordination among institutions within Europe and between the northern and southern hemispheres.

Currently, 89 students are enrolled in this MAS programme; 16 finished their studies between September 2010 and August 2012. The MIH programme has been accredited by the Swiss National Accreditation Body, OAQ, since 2007. More details on the tropEd network can be found in the box at page 37.

Master of Public Health (MPH)
Swiss TPH is the Basel study centre for the Swiss inter-university MAS programme, Master of Public Health, jointly run by the universities of Basel, Bern and Zürich. The MPH programme aims to equip health professionals with the knowledge and skills needed to work in key positions in the Swiss health system, after graduation. Swiss TPH colleagues are represented in the Governing Board of the MPH programme and also run several mandatory and optional short courses within the MPH.

Master of Insurance Medicine (MIM)
Over the last few years, Swiss TPH has substantially contributed to the development of a new MAS in Insurance Medicine. The directorate of this 60 ECTS programme (equivalent to one year of full-time study), which can be taken over a period of up to four years, is shared between the Academy of Swiss Insurance Medicine and Swiss TPH. The aim of the programme is to equip the students with the in-depth knowledge and skills needed in the broad field of private and public insurance systems, and to evaluate the field’s impact on health, economy and society.

DAS Health Care and Management in Tropical Countries
This 14-week DAS (formerly called “University Professional – UP”) programme runs annually and focuses on public
The Swiss School of Public Health+ (SSPH+) is a foundation (funded by the Swiss government) of seven member universities: Basel, Bern, Geneva, Lausanne, Lugano, Neuchatel and Zürich. Swiss TPH represents the University of Basel in this venture. The role of SSPH+ is to facilitate programmes, collaboration and networking between the various programmes on offer (MAS, DAS, CAS and doctoral) and to promote the development of new training programmes. Swiss TPH is represented on the school board and in SSPH+’s extended management group.

Swiss TPH offers several self-contained short courses, accredited by the University of Basel as postgraduate certificate courses and by tropEd as optional advanced modules, which can be taken by MIH students to obtain credits. The courses are also open to other suitably qualified candidates. Thanks to collaboration with our partners in Africa, some of these courses are run in Tanzania and South Africa. The topics of these courses range from Health District Management, Project Design, Resource Allocation, and Priority Setting and Rational Management of Medicines, to Travelers’ Health and Clinical Priorities in Tropical Countries. A detailed description of the courses can be obtained from the course secretariat or from our website. The latest developments are described in Key Area 13: Transferring Research and Service Experiences into Teaching, Training and Learning.

tropEd – the network for education in international health, is an association of more than 30 institutions in 13 European and eight overseas countries (Australia, China, Indonesia, Mexico, South Africa, Tanzania, Thailand and Vietnam). Swiss TPH is a founding member and has been very active in the network since its beginning. Swiss TPH has hosted the network secretariat since 2011; a T&T Unit staff member is elected General Secretary. The aim of tropEd is to promote excellence in postgraduate education and training in international/global health.

health, particularly from a district-level perspective. The course is designed for people who already have a first qualification in a health-related profession and at least two years of working experience. Some scholarships are available through the Canton of Basel-Stadt, thus participants from resource-constrained countries are also able to take part. The course offers an exciting inter-cultural teaching and learning environment and is accredited by tropEd and the University of Basel as a core course for the MIH degree (see above).

**Short Courses in International Health**

**CAS General Tropical Course (Allgemeiner Tropenkurs)**
The institute has offered a General Tropical Course since right after its foundation in 1943. Over more than five decades, it has developed into an eight-week full-time course accommodating up to 50 participants yearly. The current curriculum is tailored to account for a globalised world and its challenges for populations and population groups in resource-poor countries. The course is held in two separate blocks of four-weeks each. The first block provides an overview of global economic, ecological, cultural, geographical and social relations and their influence on the lives of people in tropical and resource-poor countries. The second block addresses specifically clinical and public health aspects in these resource-poor settings and control strategies and options for improving the health and wellbeing of populations. The course is open to any student, without restrictions; to obtain the university CAS degree, students must pass a mandatory examination.

**Summer School in Public Health Policy, Economics and Management**
The Summer School in Public Health Policy, Economics and Management is a joint venture of the Swiss School of Public Health+ (SSPH+), the Institute of Economics of the University of Basel (USI) and Swiss TPH. Our institute is represented in the Academic Advisory Board and in the Organisational Committee. The six-day summer school, which takes place in August in Lugano, offers up to eight parallel courses in Public Health Policy and Management. Swiss TPH administers up to 32 scholarships, funded by the Swiss Agency for Development and Cooperation (SDC), allowing health professionals from Albania, Belarus, Bosnia-Herzegovina, Kyrgyzstan, Northern Caucasus, Moldova, Tajikistan and Ukraine to attend the courses and to bring in their experiences in health systems management. Several Swiss TPH colleagues teach in these courses every year or give keynote speeches to the plenary.

**Other Postgraduate Professional Teaching Activities**

Formal and informal teaching and training activities are part of most Swiss TPH projects and contribute to the education of health professionals in various fields. For example, Swiss TPH participates in the practical training of graduate research assistants (ATA) and medical laboratory technicians in the cantons of Basel, Bern and Luzern. In addition, it offers courses in Basel and elsewhere on the Diagnosis of Human Pathogenic Parasites, and provides continuing education in tropical and travel medicine for Swiss medical doctors.

Since 2002, Swiss TPH has been recognised by the Swiss Association of Pharmacists (pharmaSuisse) as an official provider of continuing and postgraduate education. The number of one-day courses in the fields of pharmaceutical competence, management, epidemiology and public health increases from year to year.

**SSPH+ and tropEd – national and international teaching networks**

In the field of postgraduate academic teaching and training, Swiss TPH cooperates with networks at both the national and international level.

The Swiss School of Public Health+ (SSPH+) is a foundation (funded by the Swiss government) of seven member universities: Basel, Bern, Geneva, Lausanne, Lugano, Neuchatel and Zürich. Swiss TPH represents the University of Basel in this venture. The role of SSPH+ is to facilitate programmes, collaboration and networking between the various programmes on offer (MAS, DAS, CAS and doctoral) and to promote the development of new training programmes. Swiss TPH is represented on the school board and in SSPH+’s extended management group.


Teaching and Training

Consultancy Services

Members of the unit also consult for national and international organisations and institutions in various countries. The tasks range from teaching assignments and advisory services in curriculum development, to support for project and programme design, implementation and evaluation. Examples include close teaching collaboration with the National Institute of Epidemiology in India and consultancies for the Swiss Red Cross and the International Committee of The Red Cross in various countries.

Students awarded degrees, September 2010 to August 2012

Completed PhD

Ackumey, Mercy (15.12.2011): Socio-cultural features of Buruli ulcer and implications for control in Ghana


Aydn, Denis (07.05.2012): The use of mobile phones and the risk of brain tumours among children and adolescents


Bretscher, Michael (08.10.2010): Statistical analysis of Plasmodium falciparum infection dynamics


Brooks, Alan (28.10.2011): Planning for new health interventions for developing countries: An integrated strategy to prepare for malaria vaccines and lessons for future interventions

Brunner, Ralph (06.06.2011): A Novel Almalarial Lead Compound: In Vitro Properties and Mode of Action Studies

Coulbaly, Jean (27.06.2012): Epidemiology and diagnosis of schistosomiasis in preschool-aged children in Azaguié, south Côte d’Ivoire

Crowell, Valerie (29.02.2012): Predicting the Cost-Effectiveness of Strategies for Case Management of Plasmodium falciparum Malaria in Sub-Saharan Africa

Cui, Fuqiang (21.09.2011): Scaling up hepatitis B vaccination with the support of GAVI in China: Lessons learned for introduction of new vaccines and for the future of hepatitis B control

Curjuk, Ivan (28.03.12): Impact of gene-environment interactions within inflammatory and oxidative stress pathways on the development of Chronic Obstructive Lung Disease (COPD)

Decristopheris, Paola (05.04.2011): Epidemiology of multi-drug resistant staphylococci in cats, dogs and people

Dreyer, Anita (26.10.2011): Characterisation of novel surface proteins of Plasmodium falciparum and their assessment as molecular targets for a malaria subunit vaccine

Duthaler, Urs (28.06.2011): Artemisinins for the Treatment of Fascioliasis: Progress in Preclinical and Diagnostic Research

Erat, Anna (20.10.2011): Motivational conditions of successful Corporate Social Responsibility (CSR) actions in form of Cross Sector Collaborations in International Health

Fürst, Thomas (30.03.2012): Assessing morbidity and burden due to neglected tropical diseases at different geographical scales

Garba, Amadou (23.09.2011): Enhancing control of schistosomiasis in Niger: assessing morbidity in preschool-aged children, praziquantel treatment efficacy and cost implication for control

Geigenfeind, Ilja (23.06.2011): On the Biology and Epidemiology of the Feral Pigeon (Columba livia)

Godel, Christelle (27.06.2012): Drug targets of the heartworm Dirofilaria immitis

Gross, Karin (08.11.2011): Intermittent Preventive Treatment during Pregnancy and Antenatal Care in Practice: A Study from the Kilombero Valley, Tanzania

Guerrard, Vincent (09.3.2011): Performance, costs and cost-effectiveness analysis of the Tay HoHIV integrative prevention and care and treatment outpatient clinic, Vietnam. Is the model worth scale up?

Gumi, Donde Balako (20.10.11): Mycobacteria and zoonoses among pastoralists and their livestock in South-East Ethiopia.

Hartinger, Stélla (05.07.2012): Reducing Childhood Illness – Fostering Growth. An integrated home-based intervention package (IHP) to improve household-air pollution, drinking water quality and child nutrition

Idindili, Boniphace (07.10.2010): Challenges of continuum of HIV/AIDS care and treatment in Tanzania: the effects of parasites co-infections, HIV clinical manifestations, and adherence to antiretroviral therapy

Kaba, Mirgissa (21.09.2011): Gender, Sexuality and Vulnerability to HIV among the Borana Pastoral Community of Southern Ethiopia

Kabanywanyi, Abduoour Mulookozi (19.11.2010): Pharmac-o-epidemiology of ACT in the context of impact evaluation of Artemether-Lumefantrine on malaria morbidity and mortality during programmatic implementation in rural Tanzania

Kirchhofer, Carla (11.04.2012): Elucidation of the activity, pharmacokinetics, and toxicity profiles of fasciolid drug candidates 1,2,4-trioxolane OZ78 and 1,2,4,5-tetraoxane MT04

Köpfli, Cristian (04.01.2012): Molecular Epidemiology and Population Genetics of Plasmodium vivax in Papua New Guinea

Kulangara, Caroline (22.11.2010): Characterisation of novel malaria vaccine candidates representing alpha-helical coiled coil domains

List, Claudia (25.10.2010): Synthetic peptides in the diagnosis of human echinococcosis

Loss, Georg (12.07.2012): Investigating the effect of farm milk consumption on childhood asthma and allergies in the context of farming, early life nutrition and innate immunity

Manneck, Theresia (30.05.2011): Antischistosomal Properties of Mefloquine: From in vitro Studies to Drug Target Discovery


Mbuba, Kathomi Caroline (24.06.2011): Epilepsy treatment gap, associated risk factors and intervention strategies in Kilifi, Kenya


Mohler, Evelyn (06.04.2011): Effects of radio-frequency electromagnetic field exposure on sleep quality

Mwanika, Henry (01.03.2012): Developing Integrated Health Information Systems in Low-income Countries: An Enterprise Architecture Approach


Oehring, Sophie (29.06.2012): Towards discovering novel aspects of nuclear biology in the malaria parasite P. falciparum

Pachtacko, Esther (22.09.2010): Characterisation of two Plasmodium falciparum proteins, MAHRP1 and MAHRP2, involved in host cell refurnishment

Paralikar, Vasudeo (20.12.2011): Neurasthenia Spectrum Disorders: Clinical Cultural Epidemiology in Pune, India

Pham Duc, Phuc (15.12.2011): Wastewater and excreta use in agriculture in Northern Vietnam: Health risks and environmental impacts

Ruf, Theresa (05.07.2011): Mycobacterium ulcerans disease and treatment: a histopathological perspective

Rumisha, Susan Fred (19.12.2011): Modelling the seasonal and spatial variation of malaria transmission in relation to mortality in Africa
Schrüer-Riedel, Nadine (12.05.2011): Geostatistical modelling of schistosomiasis in Africa
Shan, Lv (22.06.2011): Epidemiology of Angiostrongylus cantonensis and eosinophilic meningitis in the People’s Republic of China
Senn, Nicolas (27.06.2011): Exploring the context and potential benefits of implementing an Intermittent Preventive Treatment for malaria in infants (IPTi) in Papua New Guinea
Singh, Angel (14.06.2012): Gaining access to prompt and appropriate malaria treatment in the Kilombero Valley, Tanzania: A health social science perspective
Tchicaya, Emile (27.06.2012): Evaluation de l’efficacité d’insecticides de longue durée, de traitement intra domiciliaire et de réimplantation de moustiquaire sur les vecteurs du paludisme en milieu semi-naturel, au centre de la Côte d’Ivoire
Tritten, Lucienne (27.06.2012): Investigations on potential drug candidates and metabolomics-based diagnostic biomarker discovery for human soil-transmitted helminthiasis
Wicki, Melanie (05.10.2010): Identifying human and animal faecal contamination in surface and drinking water
Winkler, Mirko (27.05.2011): Health impact assessment in complex eco-epidemiological settings in the humid tropics
Wüthner, Kathrin (18.03.2011): Transcriptional Regulation of Virulence Gene Families in Plasmodium falciparum

MSc in Infection Biology and Epidemiology, completed in 2011
Bertschi, Nicole: Establishment of the yeast one-hybrid system for Plasmodium falciparum and the identification of telomere repeat binding proteins
Brenneger, Sandra: A molecular survey of pharmacological determinants and parasite drug-resistance marker genes
Christ, Benedikt: Evaluation of a future-oriented application method of Duddingtonia flagrans against gastro-intestinal nematodes of first season grazing cattle: a pilot study conducted in the Swiss Jura Mountains
De Wouters, Mariana: Antibody-mediated growth inhibition of Plasmodium falciparum
Eichin, Dominik: Monitoring humoral and cellular antigen-specific immune response in patients treated with immuno-modulatory drugs
Francini, Valentina: Prevalence of ESBL producing Enterobacteriaceae in cats and dogs in Switzerland
Gorlanova, Olga: Geographical variation of colorectal cancer mortality in Switzerland, 1969–2002
Javati, Sarah: Detection of Plasmodium species gametocytes by quantitative reverse transcription PCR
Kerber, Sarah: Generation of monoclonal antibodies against GPI-anchored proteins of Plasmodium falciparum by immunization with antigen-expressing mammalian cells
Koneru, Pavan: Characterisation of antibody responses against Mycobacterium ulcerans
Krauth, Stefanie: Current field procedures for the diagnosis of helminth infections: Impact of homogenisation, time delays, storing method and faecal egg count variation
Manzetti, Julia: Effects of Hypoxia on Polymavirus BK Replication In vitro
Moser, Mirjam: Analysis of putative interaction partners of MAHRP1 and MAHRP2
Mrema, Maxmilian: Assessment of immune responses induced by influenza virosome as antigen delivery system during a phase Ib malaria vaccine trial in Tanzanian adults and children
Neu, Simone: Prediction and characterisation of Polymavirus BK Large T specific T-cell responses
Perera, Dushan: Chapter I: Identification of data gaps pertaining to Salmonella enterica Sero-var Paratyphi A in medium HDI countries between 1984–2009/Chapter II: Perivascular origin of follicular dendritic cells
Pletscher, Flurina: Determinants of Chlamydia trachomatis Infections in the Canton Basel-Stadt
Polat, Elif: The transport of noroviruses and indicator microorganisms depending on the interaction between river and groundwater during rainfall events
Rudin, Olivia: Selection and screening of synthetic peptides for the diagnosis of Fasciola hepatica infection
Sater Rustom, Mohamad: DANN Methylation and Gene Regulation in Neisseria meningitidis
Schaub, Nadia: Mechanisms of Drug Resistance in Trypanosoma brucei
Schleiferböck, Sarah: In vitro assessment of the pharmacodynamic properties of five antimalarial drug development candidates out of the Swiss TPH-MMV collaboration and investigation of five drug interactions with SSI-183
Schmidl, Sandro: Development and implementation of a baseline health survey methodology in the frame of the health impact assessment of the Rio Tinto-Simandou project in the Republic of Guinea
Silbereisen, Angelika: In vitro studies to compare the efficacy of marketed and new drugs against Trichuris muris
Sundaram, Neisha: Socio-cultural features of cholera and anticipated acceptance of an oral cholera vaccine in Western Kenya

Suter, Tobias: A field survey of mosquitos in the greater area of the Euro Airport Basel-Mulhouse
Warren, Ashley: Investments in Health Systems Strengthening by Global Health Initiatives for Millennium Development Goals
Wenzler, Tanja: Pharmacophore Model for Pentamidine Analogs Active Against Plasmodium falciparum
Wetzl, Johanna: New insights into the biology of the Plasmodium falciparum nucleus using transgenic cell lines
Xayaseng, Vilavanh: Control of Opisthorchis viverrini infection in Laos: community knowledge, attitude, perception and practices that favour or hinder adoption of preventive measures

Joint MSc in Infectious Diseases, Vaccinology and Drug Discovery, completed in 2011
Lim Han, Wern: Understanding the mechanism of action of protein synthesis inhibitors against mycobacterium
Malpani, Sukriti: Development and validation of a generic assay to detect compounds acting via a n aggregation-based
Ondari, Edna: Characterisation of the cellular response to a dengue nucleoside polymerase inhibitor
Sautter, Casey: Engineering dengue virus NS3 protease for structural studies
Susanto, Patricia: Studies on the antibody repertoire in a dengue virus immune subject and isolation of neutralizing antibodies by phage display
Vieiro, Carla Bianca: Cell-based screening assay for inhibitors of porcine circovirus type 2 (PCV2) replication
Wyss, Madeleine: Investigating the transcriptional regulation of the stever multi-gene family in plasmodium falciparum

MSc in Infection Biology and Epidemiology, completed in 2012
Aho, Celestine: Diversity of disease and colonization isolates of Streptococcus pneumoniae in Papua New Guinea
Ampah, Kobina: Micro epidemiological studies on Buruli Ulcer Disease: Development and use of a new single nucleotide polymorphism typing method for M. ulcerans
Beauparlant, David: Characterisation of H14_0377 (PVAMP) and its Interaction Partners
Biedermann, Patricia: Investigating the health outcomes of interventions for safe water in the Kilombero Valley, Tanzania
Bless, Philipp: Is human fascioliasis endemic in Cambodia?
Blumer, Tanja: Investigation of mycobacteria infection and the host phosphoinositide metabolism
Bracher Bianca: Localisation of PFO7_0080 and sequence requirement for export to the host cell cytosol
Teaching and Training

Cereghetti Nadja: Avian malaria in the African black-footed penguin colony in the Zoo Basel
Chakwera Victoria: Gamma delta T cells in Buruli ulcer and other skin diseases and the presence of M. ulcerans DNA in the environment of a BU endemic area of Cameroon
Fuhrmann Samuel: Rift valley fever in Kenyan pastoral livestock
Gysel-Löffler Cheryl: Functional characterisation of the silencing factor PHIP in Plasmodium falciparum
Jakovlesca Jovana: Spatially explicit estimates of parasitaemia risk in Rwanda: an analysis of the 2008 Rwanda national malaria indicator survey
Jourdan Joelle: Evaluation of the Pheroid™ Technology to improve the in vitro activity of Antimalarial Drugs
Kaiser Deborah: Immunity to Aspergillus fumigatus in Healthy Donors and in Patients after Allogeneic Hematopoietic Stem Cell Transplantation
Lai Yingsi: Geographical distribution and burden of soil-transmitted helminth infections in China
Marxer Monika: Schistosoma haematobium: Development of an in vitro drug-screening assay for Schistosomula and studies on its intermediate host Bulinus truncatus
Meier Simon: Mass-spectrometry based lipid profiling to identify novel serum biomarkers for diagnosis of active Tuberculosis in humans
Nguyen Dana: Health resources allocation modelling: updates, comparisons and health output measures optimisation
Oberli Alex: Visualisation and elucidation of endocytosis-associated protein homologues in P. falciparum
Ott Rebekka: Investigating the health outcomes of interventions for safe water in the Kilombero Valley, Tanzania
Owuor Milka: Investigating the health outcomes of interventions for safe water in the Kilombero Valley, Tanzania
Owusu Henry: Environmental determinants of life history traits of mosquitoes and their susceptibility to permethrin

Schmidlin Thomas: A knowledge, attitude, practice and beliefs survey about open defecation in association with helminth and intestinal protozoa infections in Taabo, Côte d’Ivoire
Schmutz Claudia: Time trend in positivity rate of Chlamydia trachomatis tests in Switzerland
Seiffert Salome: The role of PE-PGRS genes in the antigenic diversity of Mycobacterium tuberculosis
Shahb Duncan: A Demographic Model of Mongolia Livestock Populations
Teo Youjin: The effects of Epistasis between drug resistance conferring mutations on mycobacterial fitness
Tonoz Nurgül: Oxaboroles – new leads for the treatment of sleeping sickness
Touray Sunkaru: Climate change, climate variability and infectious disease epidemiology in West Africa: Case study in Kédi, Mauritania
Wampfler-Amstutz Rabel: Development of tools for monitoring P. falciparum and P. vivax gametocytes
Wang Jingying: Child mortality dynamics and determinants in Sub-Saharan Africa

Completed MPhil Master of Advanced Studies in International Health, September 2010–August 2012
Billah Al Mahmud, Arif: Investigation of low birth weight (LBW) incidence and its risk factors in rural community of Bangladesh: a case control study (February 2011)
Gauch, Ursula: Rational use of medicines: comparison of medicine use practices in a primary health care facility with pharmaceutical support and facilities without pharmaceutical support in urban Madagascar: a medicine use indicator study (Maï 2011)
Zen Ruffinen, Carole: Lessons learned: the implementation of Syphilis and HIV screening with rapid tests in special indigenous health district of Alto Solimões in the Brazilian Amazon (Maï 2011)

Vreeswijk, Ellen: Overcoming barriers to inclusive education for children with a disability in rural Nigeria (July 2011)
Kantilli, Maria: Predicting turnover of medical doctors in the humanitarian sector at time of selection (July 2011)
Habtewold, Betigel Workalemahu: User Fee Exemption Policy in the Health Sector in Ethiopia: Analysis of Feasibility, Legitimacy and Support (October 2011)
Sayem, A.S.M. Best practices and alternative integrated community based model in delivering primary health care service for Chittagong hill tracts of Bangladesh (November 2011)
Stöckle, Marcel: Rift Valley Fever in South-Central Tanzania: An Emerging Infectious Disease and its Public Health Implication (December 2011)
Stühelin, Jody: Evaluation of a sexual and reproductive health preventive intervention for youth in rural Zambia: a quantitative and qualitative assessment of Bumi Bwesu Youth Centre (January 2012)
Sironi, Orsola: Is cytology screening for cervical cancer an option in Sub-Saharan Africa? The specific case of Swaziland (January 2012)
Staelin, Cornelia Johanna: Prevalence of helminth infection in the Kilombero Ulanga Antiretroviral Cohort (KJULARCO), Ifakara, Tanzania (February 2012)
Gujararappa, Lokesh: Decision-making among women seeking induced abortion services in Ranchi district, Jharkhand, India (February 2012)
Güss, Isabelle: Focus on staff care: assessing safety and security support of expatriate field staff in Switzerland based humanitarian organizations (May 2012)
Rössler, Bernhard: Anaesthesia in complex emergencies – development of a curriculum for a preparatory short-course (May 2012)
Kiriyama, Makiko: Identifying Barriers Affecting Health Care Seeking Behaviour of Mothers in Oecusse District, Timor-Leste (July 2012)
Papis, Alexandra: Assessment of Adherence to Di-hydroartemisinin Piperaquine (Duocotexcin®) provided by Village Health Workers in Dawei district, Myanmar (July 2012)