

HSeT 10th Anniversary 2006 - 2016

Annual report

Executive summary

In 2016, the Health Sciences eTraining (HSeT) Foundation celebrated its 10th anniversary. During these 10 years, the number of national and international organizations and institutions that have established partnerships with HSeT have steadily increased, including six Swiss Higher Education Institutions and three organizations, ten European consortia and institutions, five US organizations, three African institutions, two Asian organizations and two international organizations. Many Customized OnLine Training (COLT) activities in the form of online masters, bachelors, courses and workshops have been offered worldwide. COLT is a new pedagogical concept which:

- provides online tailored learning experiences and allows mapping student's individual progress at every step.
- is well suited for the type of training required to build skills and competence as well as acquisition of knowledge.
- is highly interactive, personalized and customized for the specific needs of the workshops, courses, summer schools and master programs for which HSeT offers its Content and Learning Management Systems to support distance learning.
- allows to tailor features to each individual student in a way that would be impractical in a system designed for mass audiences. Therefore the different processes in selecting and organizing activities before, during and after the face-to-face sessions provide a paradigm shift for a more sustainable knowledge uptake and translation.
- is customized based on the request of the training organizers.

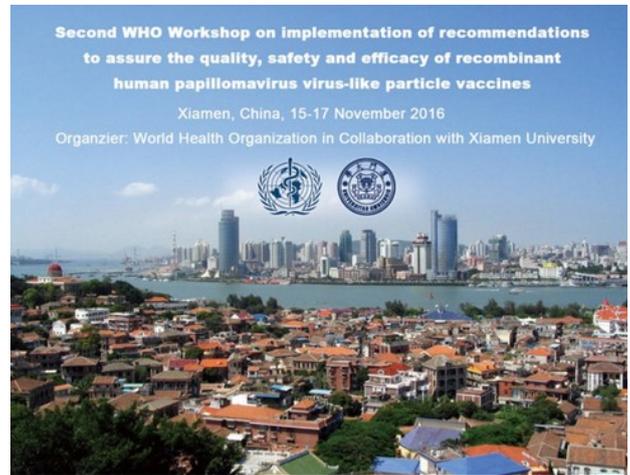
The major highlights of 2016 are the following:

- **New public HSeT website.** A new public website (<http://hset.org>) has been developed in collaboration with MDM web in Morges, Switzerland using the CMS WordPress.
- **Masters and Bachelors.** Four major training programs developed by HSeT are now implemented. These include:
 - ◇ **Bachelor of medicine.** The online bachelor of medicine of the Mauritius University produced in collaboration with the Geneva Faculty of Medicine has started on January 2015. In 2016, two new classes of students were enrolled used the module on heart, lung and kidney, and the module on infections and defense & immunity. For each module, the success rate of an exam supervised by international organizations was high.
 - ◇ **International master of vaccinology (IMVACC).** IMVACC started on September with 6 students from South Africa, Cameroon, Mexico, Austria and Switzerland. Presently the students have completed the two first modules.
 - ◇ **Nephrology.** A Diploma of Advanced Studies (DAS) in Experimental and Translational Nephrology has been endorsed by the University of Bern. The DAS provides relevant insights into the basics of nephrology. Twenty students from the Universities of Fribourg, Bern, Lausanne and Zurich have been enrolled in 2016 and have started the program on March 2017.
 - ◇ **Translation and entrepreneurial medicine.** The Master of Advanced Studies program aims at educating academic specialists in the field of translational medicine and entrepreneurship. The program is organized by the Swiss Institute for Translational and Entrepreneurial Medicine (sitem-insel AG).
- **HSeT's Academia.** The HSeT Academia, created in 2015, is composed of more than thirty experts who together cover all the topics of the HSeT portfolio and expand the range of the current team skills, while maintaining our volunteering policy. Its members participate in one way or another in the development of eLearning material and activities.
- **New IT partners.** Since its creation, HSeT has worked with the ProData Group in Geneva. In 2015 our in house developer resigned and HSeT outsourced maintenance and development to the ProData Group. Due to internal reorganization Prodata was no longer able to satisfy the needs of HSeT. HSeT has selected a new company, Amaris, in Renens, Switzerland. HSeT also recruited a part time IT expert, Dr. Li Long who will develop interactive learning tools.

Activities and Accomplishments

Workshops

- **WHO Workshops** on implementation of recommendations to assure the quality, safety and efficacy of recombinant human papillomavirus virus (HPV)-like particle vaccines have been organized in Bangkok Thailand (July 2016) and Xiamen China (November 2016) to provide practical advice to manufacturers, National Regulatory Agencies and National Control Laboratories and to help them apply the principles in real case situations through case studies, lectures facilitated by experienced international experts and to provide a forum for sharing experience and information on HPV vaccines among manufacturers, regulators and international experts from worldwide countries. HSeT provided content, learning activities and the website.
- **Workshop on the control and surveillance of rabies.** A two week residential workshop took place in Yaoundé Cameroon in October 2016. This workshop as the previous ones was organized by the Pasteur Institute of Cameroon with the support of the Pasteur Institute of Paris, HSeT, the Department of Biochemistry of the University of Lausanne, Switzerland, WHO and PREDEMICS, a FP7 funded European consortium. Eighty six people applied and after a pre-selection period and a quiz, 31 students were enrolled and during 3 months preworkshop activities allowed them to acquire and create a national plan of surveillance and control of rabies working in groups using the forum. The plan was presented and discussed during the face-to-face two week sessions.



Poster advertising the Xiamen workshop

Courses

- **Course in biostatistics.** In October 2016 two series of a two-day course were organized by HSeT for master students in biology at the University of Lausanne (UNIL) to introduce the e-Learning "Biostatistics" course developed by HSeT in collaboration with UNIL. Despite being an optional course ca. 70 % of the students signed up for the course.
- **Vaccinology course at the Pasteur Institute.** As every year since 2008, HSeT was responsible for organizing the web-based activities of the Vaccinology Course, edition 2016, at the Institut Pasteur, Paris. The web-based activities are organized in two parts. The first part consists of self-assessment tests and refresher training program on immunology to be taken before the course starts to ensure that all the selected participants start the course with a sufficient background in immunology. The second part consists of training material for participants to prepare for a 1-day workshop on vaccine strategies against dengue. Training material includes a web-based course on dengue, annotated online articles on dengue and a protocol-based learning module on how to develop a vaccine. This training material was available before the course and participants were asked to use the forum to start working together on the design of new dengue vaccine candidates before the face-to-face workshop session. This format led to very intense interaction between the trainees and was very beneficial for the face-to-face workshop session.
- **ADMIRE**, an acronym for Aldosterone and Mineralocorticoid REceptor is a COST action (European Cooperation in Sciences and Technology) to create an integrated network of excellence and to build research capacity through collaboration and knowledge-sharing between experts in multi-disciplinary fields related to research to understand i) the physiopathology of the hormone aldosterone and its mineralocorticoid receptor (MR),



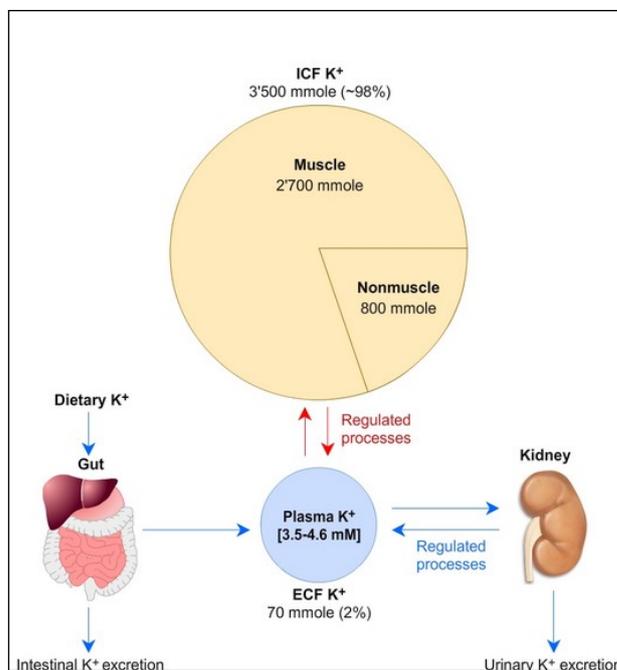
The class of the 2016 vaccinology course with the tutors of the dengue workshop

ii) the genetics of aldosterone/MR related diseases; iii) the identification of novel clinical indications of MR antagonists; iv) the development of novel diagnostic tools for selecting patients for personalized MR antagonist treatment; and v) the discovery of novel therapeutic targets related to aldosterone/MR involvement in diseases. In November 2016 HSeT has opened an eLearning module which is part of the ADMIRE COST education program. The purpose of this eLearning module is to :

- ◇ acquire basic knowledge in renal anatomy and physiology dealing with the renal handling of sodium and its regulation by the renin-angiotensin-aldosterone system (RAAS)
- ◇ acquire basic knowledge in renal patho-physiology focusing on the control of blood pressure and hypertension.
- ◇ acquire basic knowledge in genomic and non genomic action of aldosterone, both on classic targets (kidney, colon) and non epithelial targets (myocardium, vessels, brain, etc.).

27 students from EU have registered for this course. A face-to-face return session took place in Dublin on March 1st, 2017.

- **FAMH Tronc Commun Romand Post-graduate Course** for academic students in Laboratory medicine. In 2016 HSeT organized two-courses for 22 students: (1) The Preanalytical phase (September) and (2) Statistics in the Medical Laboratory (November). The students had to study an eLearning module specifically designed by HSeT for this audience, and answer the self-evaluation questionnaires before the one-day face-to-face session, during which lectures and practical exercises were proposed.
- **Preanalytical Phase course at the University Cheikh Anta Diop in Dakar, Senegal.** A seven week course (May-June, 2016) on the preanalytical phase was organized in collaboration with the French African telemedicine network (RAFT, Geneva) within the superior study diploma (DES) of Clinical Biology for MDs and pharmacists. The students had to follow a tight schedule to study the online module and to answer self-evaluation questionnaires.
- **NCCR-kidney, Dietary components and kidney functions.** In 2016 HSeT developed an eLearning module on the impact of dietary components & metabolism on the kidney functions. This module is the fifth and last module of a series of web-based courses commissioned by the Swiss consortium NCCR kidney for the participants of the Kidney.CH education program. It follows the production of four eLearning modules on the renal control of salt and water homeostasis (module 1 delivered in 2012), the renal control of pH homeostasis (module 2 delivered in 2013), the renal control of calcium-phosphate homeostasis (module 3 delivered in 2014), and the role of kidney in oxygen sensing and EPO production (module 4 delivered in 2015). The new module contains chapters on the role of kidney in the control of potassium homeostasis, the role of kidney in the control of protein and amino acid metabolism, and age-related changes in kidney function. The new module also contains quizzes and related activities (annotated articles and an interactive clinical case on aminoaciduria). The module was introduced to 4 PhD students and 12 postdoctoral fellows on October 13, 2016 during a kick-off session during which the students attended three lectures and took an initial quiz. The eLearning activities included the review of the educational content, the completion of the associated quizzes, the reading of the annotated articles, the exploration of the clinical case, and the preparation of team work related to the articles and the clinical case. During the face-to-face session held on March 17 2016, participants presented their individual and team work and took an online exam. The course provides 3 to 4 ECTS, depending on the participating university.



The maintenance of plasma K⁺ level within normal physiological range is constantly challenged by the fact that all K⁺ fluxes, i.e. from the gut to the tissues, must pass through the extracellular fluid compartment.

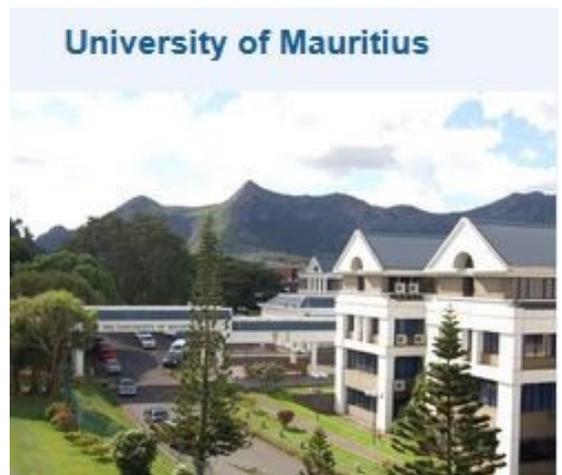


Diploma of advanced studies

- **DAS Pharmacology University of Geneva.** The eLearning module on basic principles of pharmacology was proposed for the fourth time to the students registered in the UNIGE DAS on management of clinical trials. The objective of the module is to provide knowledge about basic principles of pharmacology.

Bachelors

- **Bachelor of medicine (Geneva University).** In 2016, HSeT organized for the 3rd time the web-based educational resources in nephrology for the 2nd-year students of the bachelor of medicine. The resources contain an interactive clinical case supported by a web application and web-pages on 1) renal anatomy, 2) renal physiology (glomerular filtration), 3) the renal handling of salt and water and its involvement in the long-term control of blood pressure, 4) the renal handling of acids and bases and its involvement in the control of pH homeostasis, 5) the renal handling of calcium and phosphate and its involvement in the control of calcium and phosphate homeostasis, and 6) the role of kidney in oxygen sensing and EPO production. The interactive clinical case was used in replacement of one of the six regular problem-based learning (PBL) cases offered by the module "Homeostasis and Excretion". The web-pages were used as a support to the other regular PBLs of the module.
- **Mauritius University Bachelor of Medicine.** In June 2014, the faculty of medicine of the University of Geneva (UNIGE) mandated HSeT to adapt the modules of the UNIGE Medicine bachelor to an e-Learning format for the University of Mauritius. In 2016, the following was achieved:



- ◊ HSeT produced module 4 with PBLs and related content devoted to bacteriology (5 PBLs), virology (4 PBLs) and defense & immunity (5 PBLs). All CBLs and related content have been validated by Profs. P. Linder & S. Emonet, D. Garcin, and W. Reith, C. Chizzolini, & Drs. S. Hughes, V. Kindler, J. Villard, P. Walker, respectively.
- ◊ Dr. Komla Sobo was hired to translate the modules in French and at end of the year the translation of modules 2 and 4 was completed.
- ◊ HSeT has prepared guidelines for the 2nd and 3rd year tutors to provide them with full autonomy to follow the students' individual or team activities.
- ◊ **Class 2016. Module 2.** The 2nd semester of the 2nd year with 23 students started on the 3rd week of January, and lasted 15 weeks. The examinations took place in mid-May 2016 with 90 multiple choice questions, 50 questions prepared by the tutors based on the learning objectives, and 40 questions prepared by the local teachers related to practicals in medical sciences, community medicine and clinical skills took. One student failed and the mean score was 60%.
- ◊ **Class 2016. Module 4.** The 2nd semester of the 3rd year with 25 students started at the same date as module 2. The exam format was similar to the one of module 2. The mean score of the exam was 70.5% with no failure.
- ◊ The feedback from the students and tutors was excellent and the program coordinator Dr. Meera Manraj, MD PhD stated that distance learning must continue, that it is a great help for teachers and students and that it is a guarantee of the quality of the program.

Masters

- **Master of medical biology (MSc UNIL)**
 - ◊ **Toxicology course.** The fifth session of the eLearning toxicology module was proposed in March 2016 to the MSc students in medical biology, within the course of pharmacology. This e-Training module was intended to provide learning material supporting and/or complementing formal face-to-face lectures in toxicology.
 - ◊ **Immunology and Cancer course.** In 2016, HSeT organized for the eight time the eLearning activities for the course of the Master in Medical Biology. HSeT intervened at different times of the course. Before the first semester of the course, HSeT provided a refresher training program and two self-

assessment tests to ensure that all students had a firm understanding of the basic principles in immunology and oncology before the beginning of the course. HSeT also provided four annotated articles, an interactive clinical case and virtual microscopy material as background for face-to-face activities and practical work during the first & second semesters of the course.

- **Master of advanced studies in toxicology (MASTOXICO).** The 2016 session of the MASTOXICO, started in September 2016 with 18 participants using the eLearning module 1 “Basic principles in toxicology” produced by HSeT. In addition, HSeT is in charge of posting the detailed programs and the handouts of the courses.
- **Master of Pharmacology and Pharmacokinetics EPFL.** The eLearning Pharmacology module was proposed in March 2016 for the fifth consecutive time to the students attending the master of pharmacology and pharmacokinetics. This online program was opened simultaneously to the face-to-face courses, giving access to self-directed learning. Self-assessment quizzes and case-based learning were also available online.
- **International master of vaccinology (IMVACC),** IMVACC a 1.5 to 2 year master of advanced studies of the University of Lausanne consists of 5 web-based modules with tutoring during the first year and a master thesis during the second year which will be carried out in an academic or industrial organization. IMVACC is an initiative of the Swiss Vaccine Research Institute (SVRI, Prof. G. Pantaleo and Dr. Claude Méric) and is produced in close collaboration with the HSeT team.

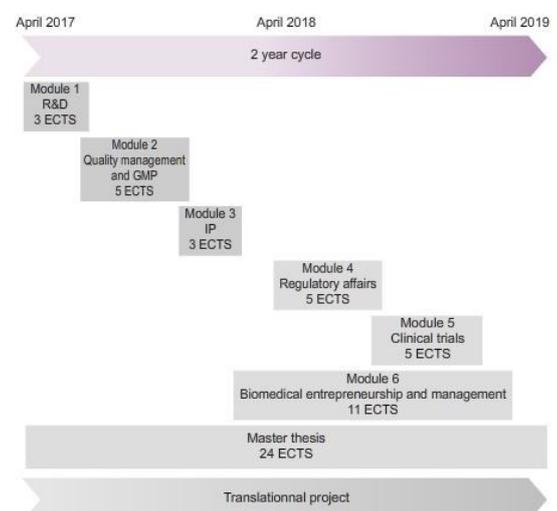


The IMVACC 2016 class with the students and the tutors

- ◊ The first class of 6 students started on September 4 2016 by a 2 day kickoff meeting in Lausanne. One student is from Cameroon, 2 from South Africa, one from Mexico and 2 from Switzerland. After 2 months one student dropped out due to the loss of her job.
 - ◊ Module 1 on vaccine related sciences was completed in November 2016 and an online exam was passed by 4 students. The one that failed will start again in 2017.
 - ◊ Module 2 on registered vaccines and vaccines in development consists of annotated articles, several cases and one team work activity. It started on November and end up with an online exam with 70 MCQs and free text questions. All students pass it.
 - ◊ Module 3 on vaccine development will end in June 2017, and the 4th module on Vaccines and public health will finish on August. The final face-to-face exam will take place in Lausanne in September 2017.
 - ◊ The forum is used mainly to discuss problems and questions from the trainees. Regularly Skype discussions are organized with the tutors.
- **Master of translational and entrepreneurial medicine.**

HSeT continued to develop in collaboration with sitem-insel AG (Prof. Uyen Huynh-Do) a program in translation and entrepreneurship in medicine, which is financed by sitem-insel AG. Upon successful completion of the program either a CAS, DAS or MAS will be awarded by the University of Bern. There are in total 6 modules: research and development (module 1), quality management and GMP (module 2), intellectual property (module 3), regulatory affairs (module 4), clinical trial design and performance (module 5) and biomedical entrepreneurship (module 6). HSeT is responsible for developing modules 1 to 5.

- ◊ During 2016 a main objective was to complete the online content for prerequisites and modules 1 to 3, which will be taught in 2017, and to finalize the detailed study plan (see Figure) and the program for the face-to-face sessions.
- ◊ The program will start on April 21st 2017.

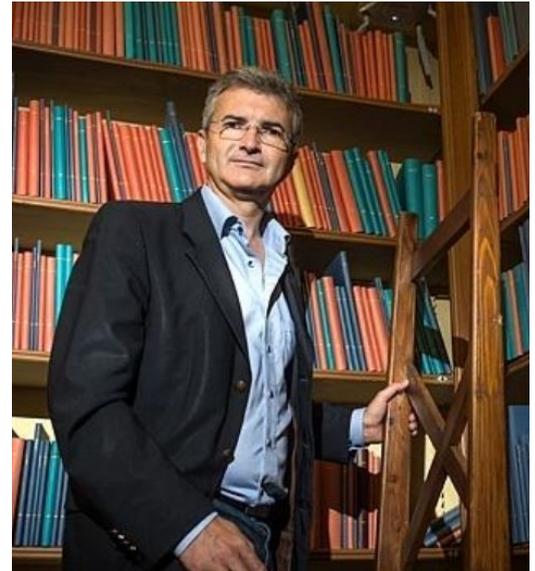


The HSeT Foundation organization

The Board

The composition of the Board has not changed in 2016. Prof. Dominique Sprumont, University of Neuchâtel, has accepted to continue the chair the Board for the next year. The composition of the Board is the following:

- **Prof. Dominique Sprumont**, University of Neuchâtel, President,
- **Prof. Jean-Pierre Kraehenbuhl**, CEO HSeT Foundation & University of Lausanne.
- **Prof. Jean-Louis Carpentier**, Jeantet Foundation and University of Geneva.
- **Prof. Nicolas Fasel**, University of Lausanne.
- **Dr. Jonathan Fuchs**, Department of Public Health, San Francisco, USA.
- **Prof. Antoine Geissbuhler**, University of Geneva.
- **Prof. Uyen Huynh-Do**, University of Bern.
- **Prof. William Pralong**, Federal Institute of Technology Lausanne (EPFL).
- **Mr Frédéric RoCHAT**, esq., Etude Kellerhals-Carrard, Lausanne.
- **Prof. Bernard Rossier**, University of Lausanne & HSeT Foundation.
- **Dr. Michelle Rossier**, HSeT Foundation.
- **Dr. Amadou Sall**, Institut Pasteur, Dakar, Senegal.



Dominique Sprumont, President of the HSeT Foundation, professor of Health Law at the Law Faculty of the University of Neuchâtel

The audited financial report 2015 and the 2017 budget were approved by the Board during October 1st meeting. A meeting has to discuss HSeT's strategic plans has been scheduled on March 14, 2017.

The HSeT core team

The scientific team

- **Pascale Anderle**, PhD, scientific coordinator of Bioinformatics, Statistics, Translational & Entrepreneurial Medicine.
- **Nathalie Debard**, PhD, scientific coordinator of Immunology, Microbiology & Nephrology.
- **Jean-Pierre Kraehenbuhl**, MD, CEO and scientific coordinator of Vaccinology, Oncology.
- **Li Long**, BS, MS, manager of software in biomedical research.
- **Claude Meric**, PhD, Scientific coordinator of Vaccinology and manager of IMVACC.
- **Michelle Rossier**, MD, scientific coordinator of Laboratory Medicine and Hematology.
- **Bernard Rossier**, MD, scientific coordinator of Pharmacology & Toxicology & Nephrology.



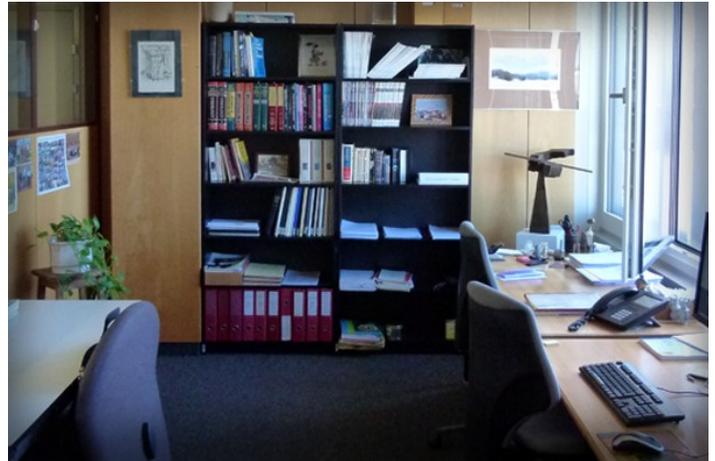
From left to right: Li Long, Alain Meystre, Michelle Rossier, Nathalie Debard, Jean-Pierre Kraehenbuhl, Pascale Anderle, Claude Meric.

The technical team

- **Alain Meystre**, animation designer.
- **Balaji Sahiram**, project manager from Amaris where HSeT has outsourced its IT development.
- **Matthieu de Morsier**, MEM Web, Morges, developer World Press

The space and facilities

- The Faculty of Biology and Medicine of the University of Lausanne provides offices free of charge. The HSeT offices are located in the B building of the Center of Immunology and Infectious Diseases in Epalinges.
- The Faculty of Medicine of the University of Geneva provides free of charge the server that harbors the HSeT database and the content and learning management systems.



Website utilization

- Since 2006, the number of users is continuously increasing and presently, HSeT manages about 8'000 active accounts.
- A total of 490 564 pages were viewed during 105'682 visits. An average of 5 pages were seen per visit and an average time of 5 min per visit.

Resource and customized websites

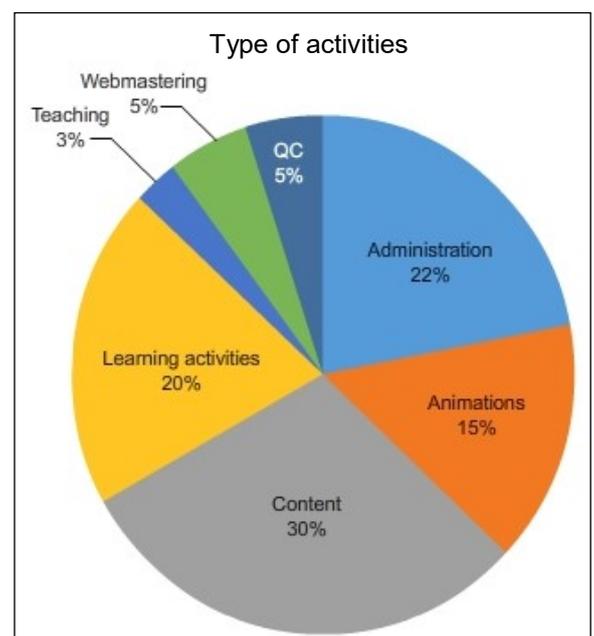
- The HSeT team manages 17 resource websites stored in HSeT's content management system (CMS) which serve as a repository for learning activities.
- The CMS is used by about 40 eTraining websites available to Swiss and international academic institutions and organizations.

Activity and project reporting

HSeT team members keep track of their activities and produce a daily report which are used to:

- allocate resources based on the consolidated information,
- evaluate resource distribution for each type of activity,
- monitor the costs of individual projects and contracts, which is particularly important for the reports requested by the EU commission.

As seen in the diagram, the HSeT team spends half of its time in producing content and learning activities. The animations and illustrations created by our animation designer represent about 15 % of the total HSeT activities.



Learning activities

Article-based learning
Case-Based learning
Protocol-based learning
SOP-based learning
Role play
Virtual microscopy
Individual and team work
Self assessments & exams

Resources

Anatomy & Physiology
Bioinformatics
Clinical Research & trials
Hematology
Immunology
Laboratory
Medicine
Microbiology
Nephrology
Oncology
Pharmacology
Toxicology
Translational medicine
Statistics
Vaccinology

Major customized websites

Swiss Institutions

[EPFL](#) Swiss Federal Institute of Technology. *MSc Pharmacology*
[UNIBE](#) Bern University. *MAS Translational and Entrepreneurial Medicine (SITEM), DAS nephrology*
[UNIGE](#) Geneva University. *MAS Human Toxicology Bachelor Medicine (Nephrology)*
[UNIL](#) Lausanne University. *MSc Medical biology, IMVACC International master of vaccinology*
[IAL](#) Immunology & Allergy, University Hospital CHUV
[SIB](#) Swiss Institute of Bioinformatics

Swiss organizations

[FAMH](#) Foederatio Analyticurum Medicinalium Helveticorum
[SSH/SGH](#) Swiss Society of Hematology
[NCCR kidney.CH](#) National Center of Competence in Research
Kidney homeostasis regulation
[IMVACC](#) International master of vaccinology
Swiss Vaccine Research Institute

European organizations

[ADMIRE](#) Aldosterone and mineralocorticoid receptor
COST action
[Biobanking](#) Biobanking courses from the Pasteur Institute
[CLIC](#) Clinical Investigator Course, European
consortium Pharmatrain
[GGE](#) GlycoGastroExplorer EU-funded network
[InfraVec 2](#) Insect vectors of human and animal disease,
[LIVE](#) Leading International Vaccine Training
[Pasteur courses](#) Vaccinology Course, Institut Pasteur, Paris
Epidemiology Course, Institut Pasteur, Paris
[PREDEMICS](#) FP7 funded consortium on Emerging
Zoonotic Viruses with Pandemic Potential
[STOPENTERICS](#) FP7 funded consortium on *Shigella* and
Enteropathogenic *E. coli*
[VacTrain](#) Marie Curie Training program for future vaccinologists

UN Agency:

[WHO eTraining](#) WHO Immunology Research and Training Center
[GADI](#) WHO Global Adjuvant Development Initiative

International organizations

[HDI](#) Host Defense Interactions, MRC Durban South Africa
[HVTN](#) HIV Vaccine Trial Network, Seattle, USA
[HKU-PRP](#) University of Hong Kong Pasteur Research Pole
[UDM](#) Cameroon: Université des Montagnes
[Mauritius](#) Mauritius University. Bachelor of Medicine

Pharma companies

[Sanofi Pasteur](#) Continuing education of Sanofi Pasteur

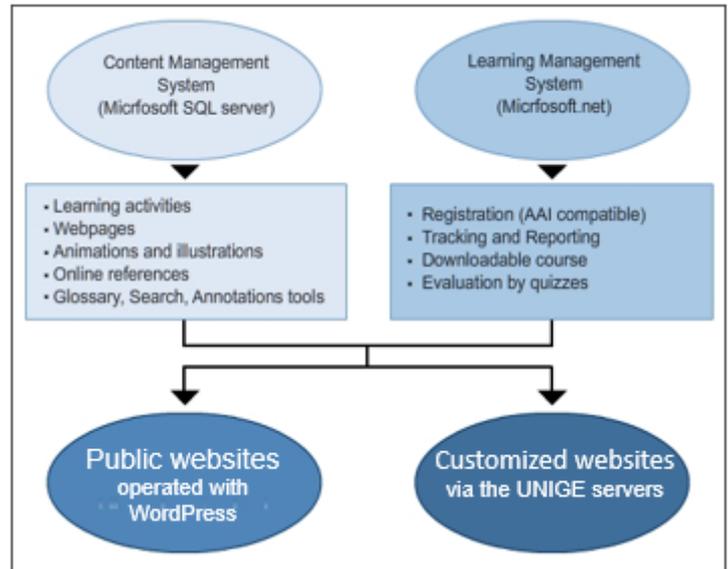
IT Infrastructure

HSeT uses the Microsoft technology for running its Content Management System (Microsoft SQL) and Learning Management System (Microsoft.net).

The HSeT's servers are hosted at the University of Geneva which also has taken the license for the Microsoft technology.

To keep up with technical advances (web 2.0 standards, HTML 5) and with HSeT's needs for learning tools, including communication and social networking the following developments have been made.

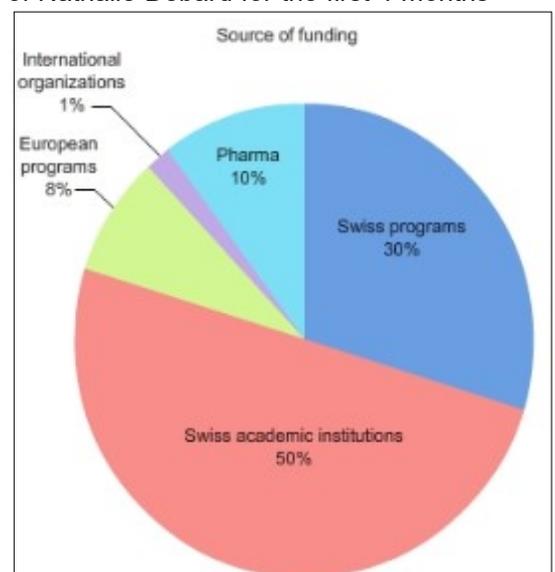
- Animations are generated via the Flash and concerted into a video format which is compatible with tablets and smartphones.
- The html editor allowing trained partners to organize and update their websites independently of the HSeT technical team will be further improved by Li Long (HSeT) in collaboration with Balaji from Amaris.
- Development of simulation application will be developed under the supervision of Li Long.
- The domain name of the HSeT public website has changed to <http://hset.org> and is hosted at MDM web in Morges, Switzerland



Financial statement

HSeT's finances & human resources are very efficiently managed by Mrs Françoise Mugny from Mugny Fiduciary. HSeT is grateful and thanks her.

- The HSeT 2016 financial situation is balanced with an operational profit of CHF 81'000 similar to the profit of 2015. The total income via the institutions and organizations is CHF 360'595. The Faculty of Medicine of the University of Geneva provided the a 3/4 salary of Nathalie Debard for the first 4 months of 2016 and then a full salary for the rest of the year.
- sitem-insel AG provided the full salary for Pascale Anderle for 2016.
- The major funders are:
Swiss universities. The Geneva University offers the Microsoft license and the two HSeT's production and validation servers. The University of Lausanne provides offices and funds for the production of content and learning activity.





International organization included WHO, Institut Pasteur, Paris, Institut Pasteur Dakar, the EU commission, HIV vaccine trial network (HVTN),

European institutions and organizations. The Pasteur Institute Paris and in Dakar, EU funded consortia (PREDEMICS, STOPENTERICS, VacTrain, GlycoGastroExplorer, ADMIRE COST).

International institutions and organizations. World health organization (WHO), HIV vaccine trial network (HVTN), The Hong Kong university Pasteur research pole (HKU PRP), Durban medical research council (Durban MRC).

Industrial partners Sanofi Pasteur.

Strategic plans

HSeT Academia

- During the 10 years of its existence, HSeT was supported not only financially, but also by the scientific support of its partners. Content and online activities developed by HSeT now reach a considerable volume in many areas including anatomy, hematology, bioinformatics, clinical research and clinical trials, immunology, infectious diseases, medicine, microbiology, nephrology, oncology, pharmacology, physiology, statistics, toxicology, and vaccinology. After 10 years of activity it is now time to expand the range of the current team skills. The foundation board decided to create the HSeT Academia in order to enroll anyone wishing to participate in one way or another in the support and development of eLearning material while maintaining in kind contribution.
- Presently 31 experts, some still professionally active other freshly retired have joined the HSeT Academia and are willing to invest time on a voluntary basis and contribute content or act as tutors for the Master and bachelor online programs.
- A few members intend to join the HSeT executive committee to participate more actively in the management of the HSeT management.

Universities

- **The bridge (“passerelle”) project.** Last year William Pralong described the “Passerelle” project prepared by EPFL, UNIL and UNIGE in the context of the Swiss federal project, which intends to offer to 40 EPFL and UNIL bachelor students the possibility to acquire the knowledge necessary to enter the master of medicine in Lausanne or Geneva.

The online bachelor of medicine developed by HSeT for the Mauritius University was demonstrated to Dean of the Faculty of Biology and Medicine Jean-Daniel Tissot and to the director of the Medical School, Pierre Alexandre Bart during two meetings in early January. They believe that an adaptation of the program would fit the needs of the “Passerelle” project and encouraged HSeT to discuss with the “Passerelle” task force.

- **The online bachelor.** The online bachelor with its three first modules is available both in English and French. During a meeting with the Vice Dean Alain Gervaix, Antoine Geissbuhler, and Jean-Louis Carpentier, discussions were aimed at defining the best way to adapt the bachelor for the Geneva medical students.

How the Lemanic and the Bern universities could contribute to the sustainability of the HSeT Foundation and more specifically identify potential candidates for replacing the current CEO and retired members of the Executive Committee is one of the major preoccupation of the HSeT Board. A letter aimed at identifying candidates has been sent to the Deans of the Medical Faculty of the Swiss Universities.

March 31 2017

Jean-Pierre Kraehenbuhl

