1. PRIZES AND AWARDS

Carole BOURQUIN
- Inès Mottas: Travel award, CIMT Cancer Immunotherapy Meeting, Mainz 2015
- Marina Treinies: Travel award, CIMT Cancer Immunotherapy Meeting, Mainz 2015
- Inès Mottas: ESF-EMBO Travel Award, Poland 2015

Luis FILGUEIRA
- Die Schweizerische Gesellschaft für Anatomie, Histologie und Embryologie (SGAHE) vergibt im Jahr 2015 den SGAHE DISSERTATIONSPREIS to Ms Valerie Schwartz, Master in Medicine, Thesis at University of Geneva, Work done at University of Fribourg, supervised by Prof Luis Filgueira and Dr Michael Walch.

Patrice NORDMANN
- American Society for Microbiology (ASM) Interscience Conference of Antimicrobial Agents and Chemotherapy (ICAAC) Research Award). ASM’s premier award honouring outstanding accomplishment in antimicrobial research, San Diego CA (USA)
- Thomson Reuters ISI Awards 2015, to 1% most cited scientific papers in the world

Curzio RÜEGG
- Felix Burda Award 2015 nominee, Berlin, for the development of a blood-based test for the early detection of colorectal cancer

Zhihong YANG
- Yuyan Xiong (PhD) received the Young Investigator Fellowship of 2015 Eur Athero Society (EAS) (EAS 2015 Fellowship)
- Sevil Necetin: Master thesis in Biomedical Sciences, University of Fribourg/Bern, 2015
- Chang Liu: PhD thesis at University of Fribourg, 2015

2. FUNDING GRANTED IN 2015

2.1. European funding agencies

Carole BOURQUIN
2.2. Swiss National Science Foundation

Carole BOURQUIN

- Swiss National Science Foundation project
  «RLR/TLR combination therapy: Mechanisms of T-cell recruitment into gastric tumors», 2015-2017 (main applicant)

- Swiss National Science Foundation project
  «Understanding the interaction of nanoparticles with B lymphocytes», 2015-2017
  (responsible applicant: M. Clift)

- Swiss National Science Foundation R'Equip
  «Microchip-based flow cell sorting in biomedicine and material sciences», 2015
  (responsible applicant: Prof. C. Rüegg)

- Swiss National Science Foundation ProDoc doctoral program
  «Cell Migration in Inflammation and Cancer», research module 3, 1-year extension 2015-2016 (main applicant)

Anna LAUBER-BIASON

- 2015 - 2018 Swiss National Science Foundation Grant number 320030_160334
  «Insights in human sex development: implications for differences of sex development (DSD)», ALB as «Principal Investigator»

Patrice NORDMANN

- SNF 2015-2018: Nordmann P
  «Mobilization and origin of carbapenemase genes»

Gregor RAINER

- SNF-MOST bilateral initiative «Translational neuropeptidomics of major depressive disorder», Main applicant: G. Rainer, 2015-2018

Curzio RÜEGG

- SNSF Personal grant 2015-2018
  «Mechanisms of therapeutic control and escape of breast cancer metastasis»

- Swiss National Science Foundation R'Equip
  «Microchip-based flow cell sorting in biomedicine and material sciences», 2015,
  equipment shared between 6 groups

Eric M. ROUILLER

- Projet Sinergia No CRSII3_160696 (1.12.2015 - 30.11.2018)
  «Electro-chemical neuromodulation therapies to improve recovery after spinal cord injury»
  Prof. G. Courtine (EPFL) - PI
  Prof. E.M. Rouiller (UniFr) - Co-PI
  Prof. Lacour (EPFL), Prof. Micera (EPFL), Dr. Bloch (UniL) - co-PIs
Alexandre WENGER

- SNF Project (01.07.2015 - 30.06.2018)
  «La figure du poète-médecin (20e-21e-s.)», main applicant: Alexandre Wenger,

Zhihong YANG

- Swiss National Science Foundation (01.07.2015 - 30.06.2018)
  «Cell-Specific Pleiotropic Effects of Arginase-II on Obesity-Associated Metabolic and Vascular Disorders», Zhihong Yang (PI)

- Swiss National Science Foundation R'Equip
  «Microchip-based flow cell sorting in biomedicine and material sciences», 2015 (responsible applicant: Prof. C. Rüegg)

2.3. CTI (Commission for Technology and Innovation)

Stéphane COOK

- 3D-printed bioreosorbable polymeric coronary scaffold (PriPoS), for duration two years, Marie-Noëlle Giraud (PI - research partner)

2.4. Other sources

Pierre-Yves MANTEL

- Novartis Stiftung für medizinisch-biologische Forschung (01.05.2015 - 30.04.2016)
  «Modulation of neutrophil function by extracellular vesicles derived from red blood cells infected with Plasmodium falciparum», Role: PI

- Research Pool University Fribourg (01.05.2015 - 30.04.2016)
  «Modulation of neutrophil function by extracellular vesicles derived from red blood cells infected with Plasmodium falciparum», Role: PI

Patrice NORDMANN

  «Prevalence and optimized detection of resistance to antibiotics vital for animal and human health (PRAHAD)» funding source federal Food Safety and veterinary Office, Bern, Switzerland

Curzio RÜEGG

- Pool de recherché UNIFR 2016
  «Monitoring the effects of radiotherapy on the frequency of blood circulating CD11b+ (cKit+) cells and their transcriptional profile in breast cancer patients»

- 3R foundation 2016-2017
  «Development of in vitro 3D multi-cellular culture models to study the role of heterotypic cellular interactions in colorectal cancer invasion»
Michael WALCH

- Project grant by the Kurt and Senta Herrmann Foundation
  «Characterization of innate cytotoxic lymphocyte responses against bacterial pathogens on the cellular and molecular level», 1 year, main applicant

- Project grant by the Gottfried and Julia Bangerter-Rhyner-Foundation
  «Cytotoxic lymphocyte responses against blood-stage human malaria», 2 years, main applicant (together with Dr Pierre-Yves Mantel)

- Project grant by the Research Fund of the University of Fribourg
  «Killing blood-stage parasites with CTL effector molecules», 1 year, main applicant (together with Dr Pierre-Yves Mantel)

Zhihong YANG

- Swiss Heart Foundation (01.01.2015 - 31.12.2015)
  «Role of arginase-II in detrimental cardiovascular effects of chronic L-arginine supplementation», Xiu-Fen Ming (PI), Yi Yu, Zhihong Yang

CONSOLIDATED FUNDS OBTAINED: CHF 7'038'814.--

3. NOMINATIONS

Carole BOURQUIN

- Professor for Pharmacology, University of Geneva

Curzio RÜEGG

- Re-election as member of the Scientific Committee of the Swiss Cancer League for the period 2016-2018

- Re-election as member of the Scientific Evaluation Committee of the Advanced Postdoc. Mobility in Biology and medicine of the Swiss National Science Foundation

Lucas SPIERER

- Privat Docent Habilitation / venia Legendi

Michael WALCH

- «Primo loco» for Tenure-track assistance professorship in Anatomy at the University of Basel

- Recruitment of Dr Katrin Huber as Lecturer in Anatomy from Jan 2015 onwards

Alexandre WENGER

- Wenger A. member of the SCLO Revision Committee

- Wenger A. member of the Subkommission «Ethikausbildung», Zentrale Ethikkommission (ZEK) der SAMW
- Wenger A. expert for the IEA (Institut d’Études Avancées), Paris

Zhihong YANG

- Jury member for PhD doctoral thesis of Mr. Kedar Ghimire (group Curzio Rüegg), Department of Medicine, Cancer Research, Faculty of Science, University of Fribourg, 2015
- Jury president of PhD doctoral thesis of Mss Nathalie Charrière (group Abdul G. Dulloo), University of Fribourg, 1st July 2015
- Jury president of PhD doctoral thesis of Mss Sadhna Manjula Hunma (group Abdul G. Dulloo), University of Fribourg, 9th November 2015
- Scientific Committee member of 12th International Symposium «Mechanisms of Vasodilatation» 2016-MOVD, Mayo Clinic, USA
- Deputy of animal experimental commission of University of Fribourg (2015 - )
- Elected Vice-President of Swiss Physiology Society (2015 - )
- Commission member for Titular Professor (Dr Denise Herzog, HFR), University of Fribourg, 2015
- Reviewing expert for ESF (European Science Foundation), 2015
- Reviewing experts for DFG grant, 2015

4. RECRUITED CAREER FELLOWS

Luis FILGUEIRA

- Swiss Government Excellence Scholarships - PhD Scholarships (Nigeria), 01.01.2016 - 31.12.2018: Mr Smart Mbagwu «Interaction of Plasmodium falciparum infected red blood cells with brain endothelial cells», Prof. Filgueira (PI), Dr Mantel (Co-PI)

5. MEETINGS & WORKSHOPS HOSTED OR ORGANIZED BY DEPMED MEMBERS

Stéphane COOK

- Cardiovascular and Metabolic Research Meeting 2015, 4th Joint Meeting of the SSC working groups AGLA and CVBG, 22nd - 23rd January 2015

Curzio RÜEGG

- Doctoral Workshop School (Curzio Rüegg & Carole Bourquin)
Laurent FALQUET
- Organized a Workshop on Pathway Studio (10 participants mainly from DepMed), 20th April 2015

Beat SCHWALLER
- Mini-symposium on mesothelioma research (Swiss mesothelioma interest group), University Hospital Zurich, (organized by PD Dr. E. Felley-Bosco - UniZH and Prof. Dr. B. Schwaller - UniFR), 16th January 2015

Alexandre WENGER
- Wenger A, organisateur du workshop Teaching Medical Humanities, UniFr, (en collab. avec la Schweizerische Gesellschaft für Geschichte der Medizin und der Naturwissenschaften), 18th September 2015

Zhihong YANG
- 4th joined Swiss AGLA-Cardiovascular Biology and Metabolic Disease meeting 14th - 15th January 2016

6. PUBLIC OUTREACH ACTIVITIES

Carole BOURQUIN

Articles

Interviews (C. Bourquin)
- Radio Fribourg, 11th November 2015
- Radio Freiburg, 9th November 2015

Interviews (Dr. Hotz)
- Radio (La 1ère - CQFD): «Du nouveau dans les vaccins contre le cancer», 20th October 2015
- Télévision (La Télé): «Nouvelles pistes pour un vaccin contre le cancer», 23th October 2015

Stéphane COOK

Emission
- Radio (La 1ère - CQFD): «La régénération des cellules du cœur après un infarctus», 8th October 2015
Anna LAUBER-BIASON
- Horizons/Horizonte: Das Schweizer Forschungsmagazin No. 107, «There's more than man and woman» p13 - 15, December 2015

Patrice NORDMANN
Interview
- TSR, Octobre 2015

Article
- La Gruyère, Octobre 2015

Curzio RÜEGG
Articles
- Article in Universitas: «Une thérapie en or», October 2015
- Scientific Report Swiss Cancer League 2015: Featured research domain «Tumour microenvironment and metastasis»

Eric M. ROUILLER
Emissions
- Television (RTS Un - 36.9): «Expérimentation animale», 16th December 2015

Articles

E-Book

Alexandre WENGER

Zhihong YANG
- «Der Geist sitzt im Herzen», Interview by Zürich Heart House, 2015

- SCOPES Seminar «Targeting Arginase in Age-associated Cardiovascular and Metabolic Diseases», University of Fribourg SOPES symposium, 3rd February 2015

- Seminar «Targeting Arginase in Age-associated Cardiovascular and Metabolic Diseases» Department of Clinical Research, University of Bern, 9th November 2015

7. TEACHING - MEDICAL EDUCATION - GPS

Carole BOURQUIN

- Online clinical cases in Pharmacology developed in collaboration with the «Nouvelles Technologies d’Enseignement» Department of the UNIFR: first case online

Laurent FALQUET

- Dep-Med Seminar in the context of «Ask the expert» session: Cancer and Immunity, 2h Lecture, Title: «RNAseq data analysis», 1st July 2015

- Introduction to «Bioinformatics and Genomics» for 3rd year biomedical students, Autumn semester 2015

Luis FILGUEIRA

- New Teaching in 2015 by Luis Filgueira and group: Master EBR new courses coordination and teaching: ME.7200, ME.7201, ME. 7500

- Support of various clinical courses in ORL, Orthopaedic surgery, Osteopathy

Curzio RÜEGG

- Virtual Pathology Tissue Collection for BMed and BMS students on line

GPS - Groupe pédagogique Pérolles

- Isabelle CHARRIÈRE
  Bachelor of Medicine
  o Production of the FCLO (Fribourg Catalogue of Learning Objectives): a list of objectives for the BMed at the UniFr, based on the «Framework for Undergraduate Medical Education in the Netherlands» (2009). This document (ratified by the DepMed Council on 18.05.15) will serve as a reference tool for the next reform of the BMed.
  o Introduction of optional courses (Med2, 1.5 ECTS), according to recommendations by the accreditation authorities.
  o Introduction of gynaecology and obstetrics in Med3: the programme comprises theoretical teaching (1.25 ECTS) and three workshops in clinical competences.

- Sabine MORAND
  Joining of the «Umbrella consortium for assessment network» UCAN
  o UCAN is a non-profit organization for various Assessment Networks in the field of educational examination. UCAN is based in Heidelberg at the University Hospital.
UCAN offers a new manner of managing exams by providing IT tools for written tests and for other forms of evaluations specific to medical courses. The contract between the University of Fribourg and UCAN was signed in December 2015.

- Patrizia WANNIER
  Master of Science in Experimental Biomedical Research
  - Beginning autumn 2016, the department of medicine offers a new Master which provides a broad knowledge in the area of biomedicine and three options (majors): Neuroscience; Infection, Inflammation and Cancer; Cardiovascular and Metabolic Health.
    ▪ The study plan was assembled in collaboration with Gregor Rainer.
    ▪ The program was then presented for approval to the Bologna Commission.
    ▪ As it is a «specialized» Master, it was necessary to define specific admission conditions and deadlines in collaboration with the office of Admission and Registration of the University of Fribourg.
    ▪ A coordination of the teaching units and schedule has been done.

8. OTHER ACHIEVEMENTS AND HIGHLIGHTS

Carole BOURQUIN

- Creation of the Unit of Clinical Pharmacology at the HFR. This unit provides advice and consultations for the whole HFR in all aspects of clinical pharmacology and toxicology.
- Participation as mentor in the «Réseau romand de mentoring»

Laurent FALQUET

- Support of Med groups for bioinformatics
- Supported data analysis project: Dr. Lavinia Alberi «RNAseq and ChIPseq data analysis of Notch1»
- Licence and helpdesk for software «Pathway Studio» for various members of groups: Prof. Lauber, Prof. Ruegg, Prof. Yang

Patrice NORDMANN

Patents:
- Patrice Nordmann, Laurent Poirel, Nicolas Kieffer, UniFR EP151189246.0: «Kits for the rapid detection or presence of resistance to β-lactams compounds in urine samples», 10th October 2015
Curzio RÜEGG

- Hosting of Dr Laurent Ramon, University of Reims, as visiting scientist, September 2015 - August 2016