Info Event

Department for BioMedical Research
DBMR

Wednesday, April 11, 2018
12.30h – 13.30h
MEM H810 (Murtenstrasse 35)
Info Event
Department for BioMedical Research, DBMR

Date: Wednesday, April 11, 2018
Time: 12.30h – 13.30h
Location: MEM / H810 (Murtenstrasse 35)

Welcome (Prof. W. Hofstetter, Coordinator MEM)

The DBMR, Organization (Prof. W. Hofstetter)

The DBMR, Administration (B. Gisbourger, Administrator)

Safety (F. Ackermann, Head Job Safety/Health/Environment)

Animal Work at the Faculty of Medicine
(PD Dr. A. Bergadano, Head Central Animal Facility)

IT- Support (M. Ackermann, IT-Support)

The DBMR, Services (Prof. W. Hofstetter)

Questions

Sandwiches and drinks will be offered!
The presented slides will be available on the DBMR Homepage.

www.dbmr.unibe.ch
The DBMR, the Organization

Prof. Willy Hofstetter
Coordinator DBMR / MEM
The **Department for BioMedical Research** (DBMR) is a Research Department of the *Faculty of Medicine* at the University of Bern.

- Established in **1994**, the DBMR provides the best possible environment and infrastructure to the researchers of the *Inselospital*, Bern University Hospital and of the *Faculty of Medicine*.

- Presently, **48 Research Groups**, covering a wide range of fields in Biomedical Research, are affiliated with the DBMR.
The Research Divisions of the DBMR

10  Mu24 (InselNord)

Construction began in Spring 2016
in operation approx. 2020

Users:
- Institute of Forensic Medicine
- DBMR
# Research groups in the DBMR

<table>
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<tr>
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<th>Research Group</th>
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<th>Research Group</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Anaesthesiology</td>
<td>25</td>
<td>Intensive Care Medicine</td>
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<td>2</td>
<td>Angiology</td>
<td>26</td>
<td>Magnetic Resonance Spectroscopy and Methodology (AMSM)</td>
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<td>3</td>
<td>Audiology</td>
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<td>Bone Biology &amp; Orthopaedic Research</td>
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<td>Nephrology and Hypertension</td>
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<td>Cardiology</td>
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<td>Cardiovascular Research</td>
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<td>Neurosurgery</td>
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<tr>
<td>7</td>
<td>Cardiovascular Surgery</td>
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<td>Oncology / Haematology (Adults)</td>
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<td>Clinical Pharmacology (IFIK)</td>
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<td>Clinical Radiopharmacy</td>
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<td>Cranio-Maxillofacial Surgery</td>
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<td>Osteoporosis</td>
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<td>11</td>
<td>Dermatology</td>
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<td>Pediatric Surgery</td>
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<tr>
<td>12</td>
<td>Endocrinology / Diabetology (Adults)</td>
<td>36</td>
<td>Plastic Surgery</td>
</tr>
<tr>
<td>13</td>
<td>Endocrinology / Diabetology / Metabolism (Paediatrics)</td>
<td>37</td>
<td>Precision Oncology</td>
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<tr>
<td>14</td>
<td>Endocrinology of the Breast</td>
<td>38</td>
<td>Prenatal Medicine</td>
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<tr>
<td>15</td>
<td>Endometriosis and Gynaecological Oncology</td>
<td>39</td>
<td>Protein and Cell Biology</td>
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<td>16</td>
<td>Endometrium &amp; Ovary</td>
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<td>Pulmonary Medicine (Adults)</td>
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<tr>
<td>17</td>
<td>Experimental Haemostasis</td>
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<td>Pulmonary Medicine (Paediatrics)</td>
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<td>Experimental Radiology</td>
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<td>Radiation Oncology</td>
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<tr>
<td>19</td>
<td>Gastroenterology / Mucosal Immunology</td>
<td>43</td>
<td>Rheumatology</td>
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<td>20</td>
<td>Hand Surgery</td>
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<td>RNA &amp; Cancer (NCCR RNA &amp; Disease)</td>
</tr>
<tr>
<td>21</td>
<td>Hematology (Adults)</td>
<td>45</td>
<td>Thoracic Surgery</td>
</tr>
<tr>
<td>22</td>
<td>Hematology / Oncology (Paediatrics)</td>
<td>46</td>
<td>Tumor-Immunology</td>
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<tr>
<td>23</td>
<td>Hepatology</td>
<td>47</td>
<td>Urology</td>
</tr>
<tr>
<td>24</td>
<td>Human Genetics</td>
<td>48</td>
<td>Visceral and Transplantation Surgery</td>
</tr>
</tbody>
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<thead>
<tr>
<th></th>
<th>Research Group</th>
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<tbody>
<tr>
<td>48</td>
<td>Research Groups</td>
<td></td>
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</tbody>
</table>

April 11, 2018 / Info Event DBMR
Organigram
Department for BioMedical Research

University of Bern
Faculty of Medicine

DBMR External Advisory Board

Management and Support
- Prof. Mark A. Rubin, Director
- Prof. Robert Rieben, Coordinator Mu40 + Mu50, Augenklinik
- Prof. Willy Hofstetter, Coordinator Mu35 & Pathology

Management

Administration and Services
- Administrator
- Finances
- DBMR Secretaries
- Secretary of Director
- DBMR Human Resources
- Facility Manager
- Bioinformatics
- IT-Support
- Technical Services
- House Staff

Core Activities

48 Research Groups in 5 Research Divisions
- Erlachstrasse 9a
  (Coordinator: Prof. P. Vermathen)
- Kinderklinik
  (Coordinator: PD Dr. M. Heller)
- Murtenstrasse 25 Mem, Pathology
  (Coordinator: Prof. W. Hofstetter)
- Murtenstrasse 40+50, Augenklinik
  (Coordinator: Prof. R. Rieben)
- Sahl-Haus 1+2
  (Coordinator: PD Dr. M. Vogel)

Animal Core Facilities
- Central Animal Facility
- Mu40+50 Animal Facility
- CMF, Clean Mouse Facility
- ESL, Experimental Surgery Unit

Technology Core Facilities
- Genomics
  (Head: Prof. R. Jaggi)
- Live Cell Imaging (LCI)
  (Head: PD Dr. F. Blank)
- Mass Spectrometry and Proteomics Laboratory
  (Head: PD Dr. M. Heller)
- Cytometry Laboratory / FACS Lab
  (Head: Dr. S. Müller)
The DBMR, Administration

Başak Ginsbourger
Administrator
The DBMR Administration Tasks

- For Administrative Issues ➞ Contact for UniBE and Inselspital
- Purchase of Equipment
- Finances of the Department and Core Facilities
- Invoicing for the Core Facilities
- Annual Report, FACTScience, BORIS
- Organization of the DBMR events
- Assistance for New Employees DBMR
- IT Support
The DBMR Administration Team –

Main Responsibilities

- **Silvia Rösselet**, Human Ressources DBMR, HR Responsible for DBMR Employment Processes, Worktime Recording

- **Bernhard Grossniklaus**, Facility Manager, Room and Equipment, Infrastructure

- **Claudia Requeta**, Secretary of the Director, Research Conference

- **Jasmin Stiefel**, Assistant of Secretary of the Director

- **Deborah Re**, Secretary MEM, Keys, Badges, eMail-Addresses, Coffee Cards, Packages, Homepage, Equipment Manager, Invoicing for IT

- **Marla Rittiner**, Secretary Administration Mu35, Mu40, Mu50 and Human Ressources

- **Beatrice Stalder**, Secretary of the Central Animal Facility and Support MEM, Invoicing for Core Facilities

- **Uyen Vo**, Secretary Mu40 and Mu50
Research Support

Travel Grants; [www.gcb.unibe.ch/training/financial_aid/index_eng.html](www.gcb.unibe.ch/training/financial_aid/index_eng.html)

PhD and MD/PhD students of DBMR research groups have the possibility to apply for travel grants at the Graduate School for Cellular and Biomedical Sciences (GCB) of University of Bern to attend scientific meetings.

([www.gcb.unibe.ch/index_eng.html](www.gcb.unibe.ch/index_eng.html))

Maximal contributions in CHF: 600.- / 800.- / 1’200.- for CH / EU / Other Countries
The DBMR Administration Services

- Technical Services and House Staff
  - Eugen Aeby
  - Sidikiba Kaba
  - Monica Straub
  - Murteza Volina
  - Yvonne Roschi
  - Susanne Widmer

- Supply Center
  - Claudia Güttinger

- Workshop DBMR
  - Patrick Furer

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Safety in the DBMR

OCCUPATIONAL SAFETY & HEALTH PROTECTION

FIRE PROTECTION
INSURANCE COVERAGE
ERGONOMICS
FIRST AID
EDUCATION

PERSONAL PROTECTIVE EQUIPMENT
HEALTH PROMOTION
CHEMICAL SAFETY
RULES OF CONDUCT

MATERNITY PROTECTION
BIOSAFETY
HAZARD IDENTIFICATION

HELPER IN NEED
SAFETY MEASURES
WORKING CONDITIONS

François Achermann
Safety specialist FCOS
Head OHE
Inselspital, KKL D-842
CH-3010 Bern
Mailto:safe@dbmr.unibe.ch
Fon: +4131 6323015
Pager: 1817443
Fax: +4131 6328499

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Safety in the DBMR

Information provided on the DBMR webpage:

- Emergency phone numbers
- List of responsible persons
- Maternity protection
- Occupational safety and health protection
- Biosafety
- Chemical safety (use/storage/waste disposal)
- Radiation safety
- Anesthetics
- Safety guidelines and SOPs
- Notification in case of injuries or exposure to human blood or tissues
The UniBE owns **49 risks**.

The **6 core risks** for the **reputation** of the **University of Bern** are*:

1. Security (rampage)
2. Scientific misconduct (several cases in 2016)
3. Fire & explosion
4. A-substances
5. C-substances
6. B-substances

*Reference: Annual safety report of the University of Bern 2016
Are you aware of your most important rights in the field of occupational safety??

According to the Accident Insurance Act (UVG, art. 82) and the relevant regulation on the prevention of accidents and occupational diseases (VUV, art. 3 and following), the employer must

- take all measures for the prevention of occupational accidents and diseases that are necessary based on experience, are applicable given the state of the art and are appropriate for the given situation
- inform them on taking up employment about the dangers involved and instruct them in respect of measures for their prevention
- call on employees to participate in occupational safety (OS)
- provide them if necessary with a reasonable set of personal protective equipment (safety goggles, ear defenders, protective clothing, etc.)
- give employees or their representatives a say in all issues concerning OS
... and here are the most important duties in the field of OS

**You must** (according to art. 82 para. 3 UVG and art.11 VUV) in particular

- support your employer in the implementation of OS
- follow your employer's instructions with regard to OS
- take into account the generally recognized safety rules
- use your personal protective equipment (PPE) and the safety equipment correctly
- immediately correct any fault(s) that affect OS or – if this is not possible – report it or them to your employer

**You are forbidden**

- from influencing the efficacy of safety equipment and
- from allowing yourself to get into a condition in which you can pose a danger to yourself or to others (alcohol, drugs, etc.)
The Course of the Accident

- Hazard(s)
- Hazardous situation
- Initiating factor
- Hazardous event
- Damage to persons

- Near miss
- Damage to property
- Occupational accident and/or disease

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Safety Signs

- Emergency escape
- Assembly point
- First aid material
- Defibrillator
- Emergency shower
- Emergency eye shower
- Fire-extinguishing device with direction arrow
- Extinguisher
- Fire alarm
- No entry
- No gloves
- No food, no drinks
- Wear protective clothings
- Wear eye protection
- Wear ear protection
- Wear gloves
What to do in an emergency

1. Observe → 2. Think → 3. Act

Call the emergency services

What to do in an emergency

1. Observe → 2. Think → 3. Act

General emergency call
Police
Fire brigade
Ambulance
Poisoning
Life-threatening emergencies (REA)
Emergency station
Staff physician
Technical incidents

Where is the victim/the scene of the fire?
Who is calling (name)?
What has happened?
When did it happen?
How many people are affected?
Additional dangers, hazardous materials?
My number to call back?

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What to do in an emergency

1. Observe → 2. Think → 3. Act

Evacuation

1. Notify endangered persons and take them with you
2. Leave the building using the stairs
3. Make your way to the Assembly Point

<table>
<thead>
<tr>
<th>DBMR Site</th>
<th>Assembly Point</th>
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<tbody>
<tr>
<td>MEM</td>
<td>Entrance Pathology building, Murtenstr. 31</td>
</tr>
<tr>
<td>Mu31+P47</td>
<td>Meadow between Psychiatric Clinic and P47</td>
</tr>
<tr>
<td>Mu40+50</td>
<td>Entrance Blood Donation Center, Murtenstr. 42</td>
</tr>
<tr>
<td>Erl9a</td>
<td>Entrance DCB, Bühlplatz</td>
</tr>
<tr>
<td>Other DBMR sites</td>
<td>As decided on-site by the Fire brigade</td>
</tr>
</tbody>
</table>
Mandatory safety trainings
Do you know how to use an extinguisher?

In-house Fire extinguisher training Inselspital Bern,
www.rettenfuerjedermann.insel.ch

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### Safety training records

#### Personal safety passport

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<th>Training courses and briefings</th>
<th>DBMR info event</th>
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<tr>
<td>Course / briefing, learning module</td>
<td>Safety and health briefing</td>
</tr>
<tr>
<td>Course content</td>
<td>Biosafety, chemical safety, emergency</td>
</tr>
<tr>
<td>Course dates</td>
<td>from April 11, 2018 to -</td>
</tr>
<tr>
<td>Duration</td>
<td>- Week(s) - Day(s) 0.2 Hour(s)</td>
</tr>
<tr>
<td>Place</td>
<td>Bern, DBMR Date</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Training courses and briefings</th>
<th>Science lab safety</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course / briefing, learning module</td>
<td>Fire extinguisher training</td>
</tr>
<tr>
<td>Course content</td>
<td>Use of fire extinguisher, fire blanket</td>
</tr>
<tr>
<td>Course dates</td>
<td>from to</td>
</tr>
<tr>
<td>Duration</td>
<td>- Week(s) - Day(s) 1.5 Hour(s)</td>
</tr>
<tr>
<td>Place</td>
<td>Bern, DBMR Date</td>
</tr>
</tbody>
</table>
In-vivo work @ DBMR

PD Dr. Alessandra Bergadano
DVM, Dr.Med.Vet., Dip.ECVAA, Dip. ECLAM, PhD
A committed and professional Team

- **Head:** A. Bergadano
- **Veterinarians:**
  - Cl. Detotto
  - D. Suter Bauhofer
- **Admin. Assistant:** B. Stalder
- **Animal Care Takers**
Requirements for performing animal experiments

Federal Food Safety and Veterinary Office FSVO
www.blv.admin.ch

LTK Modul 1: Introductory course in Laboratory Animal Science; mandatory for experimenters
LTK Modul 2: Education for people responsible for directing animal experiments
http://www.ltk.uzh.ch/en.html

One day of continuing education per year is required to maintain status.
Access to animal facility = The Badge

1. Completion of LTK1 module (for members of DBMR Research Groups, 50% of the costs are covered by the DBMR.)
2. Registration as a participant in approved animal experiments
3. You must read the «general Terms and conditions of use»
4. Fill form and return to Frau Beatrice Stalder, Secretary of the Central Animal Facility

Required documents:
- Certificate confirming successful participation in LTK1 module
- "Print screen" of the personnel involved in approved animal experiments (with your name listed)
- BSL2 terms of use
- Euthanasia terms of use

5. Mrs Stalder sends you a mail and
6. Make appointment «first users education» with the animal care takers
7. FINALLY you get the badge

Badges MUST be returned 1 week before the end of the contract latest

http://www.tierstaelle.unibe.ch/

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Services: we are happy to support you!

- **Husbandry**
  - Breeding, housing and experimental work with rodents
  - Housing and experimental work with rabbits

- **Import Export**

- **Clinical support and care, animal welfare**

- **Animal experiment licences as service:**
  - Preparation of organs/ tissues/ cells from dead animals
  - Antiserum production

- **Advisory function (animal permits, e-tv, anesthesia & analgesia...)**

- **...and more!**
IT - Support

Michael Ackermann
DBMR-IT Team

Thomas Späti
MEM H814

Luca Sulmoni
MEM H814

Ilker Romann
Mu40 U1 119
DBMR-IT Web

- Please visit: http://www.dbmr.unibe.ch/it
- Important Information
- Manuals & Tutorials
- Useful Links
- Intranet
DBMR-IT Services

- IT-Support
- Hardware
- Software
- Storage
- Printing
- Custom IT-Solutions

http://www.dbmr.unibe.ch/it

it@dbmr.unibe.ch
The DBMR Services

Prof. Willy Hofstetter
Coordinator DBMR / MEM
Coordinators of DBMR Research Divisions

PD Dr. Manfred Heller
Kinderklinik

Prof. Dr. Willy Hofstetter
M.E. Müller Haus, Pathologie, Pavillon 47

Prof. Dr. Robert Rieben
Murtenstrasse 40+50,
Augenklinik

Prof. Dr. Peter Vermathen
Erlachstrasse 9a

Dr. Monique Vogel
Sahli Haus 1+2

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Technology Core Facilities

Heads of Technology Core Facilities

PD Dr. Manfred Heller
Mass Spectrometry and Proteomics Laboratory

Prof. Dr. Rolf Jaggi
Genomics

Dr. Stefan Müller
Cytometry Laboratory

PD Dr. Fabian Blank
Life Cell Imaging

Bioinformatics Support

Dr. Irene Keller
Ilker Romann

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Animal Core Facilities

Heads of Animal Core Facilities

PD Dr. Alessandra Bergadano
Central Animal Facilities

Prof. Dr. Andrew Macpherson
CMF, Clean Mouse Facility

Dr. Daniela Casoni
ESI, Experimental Surgery Unit
The Department for BioMedical Research DBMR is a research department of the Faculty of Medicine of the University of Bern with the mission to provide the researchers of the Inselspital (Bern University Hospital, www.insel.ch) with the best possible environment and infrastructures. Our aim is to bridge laboratory-based and biomedical patient-oriented clinical research.

DBMR PERSONNEL SEARCH TOOL

Please find your contact person at the DBMR with our DBMR Personnel Search Tool.
Services

- Core Equipment and Equipment Ppool
  (see reservation system; [https://www.reservation.dkf.unibe.ch/](https://www.reservation.dkf.unibe.ch/))

- Supply Center
  ([http://www.dbmr.unibe.ch/dienstleistungen/zentrale_dienste/supply_center/index_ger.html](http://www.dbmr.unibe.ch/dienstleistungen/zentrale_dienste/supply_center/index_ger.html))

- Lab and Office Infrastructure
- Lab Journals

- DBMR Homepage ([http://www.dbmr.unibe.ch](http://www.dbmr.unibe.ch))
  - Information and Forms OHE*, Biosafety, Radiation Protection, Chemicals…
  - DBMR Annual Reports
    * [Occupational Safety, Health Protection and Environmental Safety](http://www.dbmr.unibe.ch)

- DBMR Events (visit DBMR Homepage for further information)
  - Day of BioMedical Research: November 07, 2018, 2017
  - DBMR Research Conferences: 1st Monday of each Month at 17.00h
  - DBMR / MEM Progress Reports: Wednesdays, at 12.30h
  - DBMR Research Clusters

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Thank you for coming

QUESTIONS?