

**Personal data**

**Alessandra  
Bergadano**

**Qualifications:** PD, DVM, Dr. Med. Vet., PhD, Dip. ECVA, Dip. ECLAM

**Date and place of birth:**

**Citizenship:**

Research ID [A-7210-2019](#) ORCID ID [0000-0003-0102-7275](#)

**Professional experience**

**Director of Experimental Animal Center (EAC), Univ. of Bern**

*Univ. Bern, CH*

*Since*

*04.2020*

- Operating Director of the EAC: responsible of strategy, finances and personnel of the EAC (65 employees and 20 facilities).
- Animal Facilities: Responsible for the infrastructure of the animal facilities (housing and processes).
- Physical plants: Oversight of the floor plants and strategic planning of the animal facilities to ensure continuous improvement for the future (new technologies, enriched environment, new space). Evaluate facilities and submit capital budgets for maintenance and improvement of the animal facilities
- Animal Welfare: ensure regulatory compliance with company guidelines, local regulations throughout the EAC facilities. Develop new policies for animal care and use program, participates in animal facility inspections, and post-compliance visits.
- Facilitation of scientific projects and publications
- Planning of Continuing education and career development opportunities for the EAC staff.
- Head of the Swiss German ECLAM Program

**Head of Central Animal Facilities, Bern**

*DBMR, Medical Faculty, Univ. Bern, CH*

*01.2018-*

*03.2020*

- Management of CAF (14 employees): budget, personnel administration.
- Planning of Continuing education and career development opportunities for the staff.
- Animal Welfare: ensure regulatory compliance with company guidelines, local regulations. Develop new policies for animal care and use program, participates in animal facility inspections, and post-compliance visits. Review of animal models used at Basel site and animal welfare issues.
- Animal Facilities. Responsible for the infrastructure of the animal facilities (housing and processes). Evaluate facilities and submit capital budgets for maintenance and improvement. Proactive in developing an animal facility plan to ensure continuous improvement for the future (new technologies, enriched environment, new space).
- Veterinary Support. Provide support as needed to the Clinical Veterinarian for animal care. Veterinary on-call schedule.
- Animal Models. Based on scientific need, work with scientists to procure and prepare animal models for rodent and non-rodent species to meet research goals.
- Facilitation of scientific projects and publications

**Senior scientific advisor Comparative Medicine, Vice director**

*F. Hoffmann-La Roche, Basel, CH*

*01.2016-*

*12.2017*

- Head of breeding outsourcing activities and related budget of the Basel site.
- Advisory function to the Global Head of the Dept. in all aspects of the Basel Animal Care and Use Program and facility planning
- Guidance in animal research protocols development internally and externally
- Advisory function on the development and characterization of animal models in the different research areas and in Comparative Medicine
- Support of accreditation of Animal Care and Use Programs within pRED by

- AAALACi
  - Deputy of the Animal Welfare Officer
  - Organisation of continuing professional development, training of in vivo personnel
  - Auditing of vendors, CROs and external partners
  - Development and execution of research projects in the context of laboratory animal medicine /3Rs of the department and/or in collaboration with partner functions (internal and external).
  - Mentoring scientists for research projects and publishing
  - Scientific literature review in areas of strategic importance to the department
  - Supervisor of doctoral students and ECLAM residents
- Head of Comparative Medicine, Basel** 01.2011-12.2015  
*F. Hoffmann-La Roche, Basel, CH*
- Management of Dep. of Comparative Medicine (40 employees): budget, personnel administration.
  - Planning of Continuing education and career development opportunities for the staff.
  - Animal Welfare: ensure regulatory compliance with company guidelines, local regulations, maintenance of full accreditation by AAALACi. Develop new policies for animal care and use program, participates in animal facility inspections, and post-compliance visits. Review of animal models used at Basel site and animal welfare issues.
  - Animal Facilities. Responsible for the infrastructure of the animal facilities (housing and processes). Evaluate facilities and submit capital budgets for maintenance and improvement. Proactive in developing an animal facility plan to ensure continuous improvement for the future (new technologies, enriched environment, new space).
  - Veterinary Support. Provide support as needed to the Clinical Veterinarian for animal care. Veterinary on-call schedule.
  - Animal Models. Based on scientific need, work with scientists to procure and prepare animal models for rodent and non-rodent species to meet research goals.
  - Facilitation of scientific projects and publications
- Senior research scientist** 05.2008 - 12.2010  
*Anaesthesia division, Vetsuisse faculty, University of Bern, CH*
- Conception, development and supervision of research projects
  - Contract research
  - Grants application and external founding raise
  - Supervision of ECVAA residents and students
  - Reviewing of manuscripts
- Study director** 01.-04.2008  
*ALLEVIA AG, contract research organisation, Bern, CH*
- Conception, development and supervision of research projects
  - Organisation and management of in vivo team
  - Establishment of in vivo facility and operations
  - Performance and supervision of anesthesia analgesia
  - Responsible of animal welfare
- Co-Head of Anaesthesia ad Interim** 2006-2007  
*Vetsuisse faculty, University of Bern, CH*
- Leadership and administration of the Anaesthesia Division
  - Development of the Anaesthesia curriculum and Teaching for Veterinary Students
  - Supervision of ECVAA residents
- Research fellow** 2005-2008  
*Centre for Sensory-Motor Interaction Department of Health Science and Technology, Aalborg University, Dk; Research Division of the Anesthesiology and Pain therapy Department, Inselspital, University of Bern, CH*
- Experimental research for PhD
- Senior Lecturer in anaesthesia** 2004

<i>Anaesthesia division, Vetsuisse faculty, University of Bern, CH</i>	
• Clinical supervision and formal teaching of anaesthesia	
<b>Anaesthesia clinician</b>	2003
<i>MRI Zentrum, Vetsuisse faculty, University of Bern, CH</i>	
• Clinical anaesthesia	
<b>Anaesthesia fellow</b>	2000-2003
<i>Vetsuisse faculty, University of Bern, CH;</i>	
• Residency Program for ECVAA board	
<b>Consultant in Anaesthesia and Surgery for small animals</b>	1996-2000
<i>Poliambulatorio Casale Dr. M. Remo, Torino, I</i>	
• Anaesthesia and surgery for small animals	
<b>Practitioner (personal practice)</b>	1994-2000
<i>Ambulatorio Veterinario Dott.ssa A. Bergadano, Torino, I</i>	
• Medicine and surgery for small animals and exotics	
<b>Sanitary Director of the Social Kennel</b>	1992-1994
<i>ENPA; Ente Nazionale Protezione animali, Torino, I</i>	
• Medical service and direction	
<b>Veterinary assistant</b>	1990-1994
<i>Studio veterinario Dr.C. Pierbattisti, Torino, I</i>	
• Medicine and surgery for small animals and exotics	
<b>Higher education</b>	
<b>Diplomate European College Laboratory Animal Medicine (ECLAM)</b>	2016
<b>Venia docendi: "Quantitative sensory testing in conscious dogs: from model development to pharmacodynamics"</b>	2011
<i>Vetsuisse Faculty, University of Bern, CH</i>	
<b>PhD: "Quantitative assessment of nociception in dogs using the nociceptive withdrawal reflex and its pharmacological modulation".</b>	2008
<i>Centre for Sensory-Motor Interaction Department of Health Science and Technology, Aalborg University, Dk</i>	
<b>FELASA certification for project managers (Level 2)</b>	2007
<i>LTK, University of Zürich, Zürich, CH</i>	
<b>FELASA certification for researchers (Level 1)</b>	2005
<i>LTK, University of Zürich, Zürich, CH</i>	
<b>Doctoral dissertation in Veterinary Medicine</b>	2004
<i>Vetsuisse Faculty, University of Bern, CH</i>	
<b>Diplomate European College Veterinary Anaesthesia Analgesia (ECVAA)</b>	2003
<b>State exam</b>	1990
<i>Facoltà Medicina Veterinaria, Università di Torino, I</i>	
<b>Doctor of Veterinary Medicine, Summa cum Laude</b>	1990
<i>Facoltà Medicina Veterinaria, Università di Torino, I</i>	
<b>Honors</b>	
SGV Animal Welfare Award for Culture of Care	2023
2 <sup>nd</sup> price 3Rs Roche Award "Dental prophylaxis program in the NHP colony as enhancement of animal welfare"	2015
FECAVA prize Best original article "Chronic pain diagnosis small animals"	2010
1st price Doctoral work rewarded by "Regione Piemonte", Torino, I	1990
Graduation in Veterinary Medicine "cum Laudae"	1990
<b>Board memberships</b>	
<b>Swiss Animal Facilities Network (SAFN) group</b>	Since 2020
<b>Swiss Culture of Care working group</b>	Since 2019
<b>ECLAM: Head of the Swiss German ECLAM Program</b>	Since 2020
<b>ECLAM Exam Committee Board Member</b>	Since 2016
<b>Head of Anaesthesia and Analgesia Committee of GV-SOLAS</b>	2017-2023
<b>FELASA pain in mice working group</b>	2019
<b>Ethical Committee of the Swiss Medical Academies (SAMW), Bern, CH</b>	2012-2021
<b>Organization committee ESLAV Summer school (biology &amp; anesthesia), Bologna, I</b>	2021- 2022

<b>Organization committee FELASA/ESLAV/ECLAM/AAALAC congress</b> <i>Barcelona 2018</i>	2017-2018
<b>Head of ECVAA working group on clinical veterinary ethics</b>	2017
<b>Committee for animal experimentation, Canton Basel Stadt, Basel Land, Aargau</b>	2012-2017
<b>Committee for animal experimentation, Canton Fribourg</b>	2010-2012
<b>European College of Veterinary Anaesthesia and Analgesia</b>	Since 2003
<i>Honorary Secretary</i>	2008-2011
<i>Credential and Education Committee Board member</i>	2005-2008
<b>Professional memberships</b>	
<b>European Academy of Laboratory Animal Surgery (EALAS)</b>	Since 2022
<b>AAALACi ad Hoc consultant</b>	Since 2017
<b>American Association Laboratory Animals (AALAS)</b>	Since 2012
<b>Swiss Association of Laboratory Animal Medicine (SGV)</b>	Since 2011
<b>European Society of Laboratory Animal Veterinarians (ESLAV)</b>	Since 2011
<b>Association of Veterinary Anaesthetists (AVA)</b>	Since 2000
<b>Swiss Association of Veterinarians in Industry and Research (SAVIR)</b>	2007-2018
<b>International Association for the Study of Pain special interest group: Pain and Pain management in nonhuman species: Founding member</b>	2005-2012
<b>International Veterinary Academy of Pain Management</b>	2004-2005
<b>Grants, third-party founds</b>	
<b>Management of the macaque colony Univ. of Fribourg</b>	2022
<b>Consultant for tracheomalacia model in rabbit, Univ. Hospital Lausanne</b>	Since 2022
<b>Expertise on anaesthesia and fMRI, Dr. Schröter, Univ. ZH</b>	2019
<b>Expertise on anaesthesia guidelines in laboratory animals, BLV, Bern</b>	2019
<b>Expertise on euthanasia guidelines in laboratory animals, BLV, Bern</b>	2018
<b>Expert committee for revision of anesthesia and euthanasia guidelines revision, Bundesamt Lebensmittelsicherheit und Veterinärwesen (BLV), Liebefeld, CH</b>	2014
<b>Stipendium der Spezialisierungskommission, Project supervisor (Dr. Med. Vet C. Adami), Vetsuisse Faculty, Bern</b>	2010
<b>Peri-anaesthetic pain management and loco-regional anaesthesia courses I – II Vetsuisse Faculty, University of Bern, CH</b>	2010
<b>Contract anaesthesia DKF, Inselspital, University of Bern, CH</b>	2010
<b>Contract research: Pharmacodynamic testing of new analgesic drugs, Novartis Animal Health, CH</b>	2010
<b>Contract research: Pharmacodynamic testing of new analgesic drugs, Merial, F</b>	2008 and 2009
<b>Head of the anaesthesia consultancy for kidney transplantation in NHPs, Novartis, Basel, CH</b>	2004-2006
<b>2 x Vetsuisse research grant, Vetsuisse Faculty, Bern, CH</b>	2005
<b>Reviewer for multiple journals</b>	
<b>Languages</b>	
Italian and French – mother tongue	
English and German – high proficiency	
<b>EDP-knowledge</b>	
MS Office, MS Project Manager	
Sigmastat, Sigmaplot, Graph Prism	
Endnote	
Online databases (Pubmed, Medline, IVIS, Ovid)	
LTM, ICM, e-taconic, Pyrat, Tick@lab (health and animal management interfaces)	
Animex	
<b>References</b> On request	

**Passions and Hobbies**

My dog and horse  
REDOG volunteer  
Walking and nature  
Friends

## **Qualifications profile**

My red thread is developing and implementing the culture of care throughout.

### **Leadership**

- Management of a large organisation of 60+ people in a research environment
- Process and strategic development, governance.
- Budgeting and Controlling
- Career development and cross training for staff
- Leading with care

### **Anaesthesia & Analgesia**

- Laboratory animals (rats, mice, rabbits, small rodents, frogs, minipigs, monkeys, sheep, goats)
- Small (dog, cats) and Exotic animals
- Large animals (horses, ruminants, new world camelids, pigs)
- Locoregional analgesia techniques
- Acute and chronic pain diagnose and treatment.

### **Laboratory animal facility management**

- Management of the infrastructure and husbandry, and administrative activities of the animal facility
- Animal models: rodents, GEMs, rabbits, dogs, minipigs, NHPs, zebrafish, frogs
- Animal facility plan development to ensure continuous improvement and state of art standards (new technologies, enriched environment, new space).
- Support of experimental work and scientists based on scientific need
- Planning of new in vivo animal facilities
- ABSL2 and ABSL3 infrastructure and procedures
- Occupational health and safety management

### **Laboratory animal medicine**

- Clinical veterinary medicine, diagnostic, anaesthesia, analgesia, surgery, and intensive care (rats, mice, rabbits, swine, minipigs, dogs, cats, NHPs, sheep, goats, zebrafishes)
- Mentoring of clinical veterinarian and veterinary support to facility animals.
- Veterinary pharmacy

### **Animal welfare and compliance**

- Ensuring regulatory compliance with internal guidelines, and national regulations (housing and breeding permissions, veterinary permissions, audits).
- Distress monitoring of transgenic animals.
- Achieving and maintenance of full accreditation by AAALACi.
- Developing new policies for animal care and use program
- Running animal facility inspections, and post-compliance visits.
- Review of animal models, research protocols and animal welfare issues.
- Communication with local veterinary authorities
- Culture of Care

### **Research and Consulting**

- Development of new experimental models to meet research goals.
- Conception, planning and execution of research projects (non-GLP, GLP)
- Nociception and neurophysiological testing as special expertise field
- Scientific writing, review of manuscripts
- Grants and third-party founding raise.

### **Teaching and continuing education**

- Theoretical and hands on education of technical personnel, veterinary students, veterinarians, post docs, scientists
- Curriculum development
- Course conception and organization