



## Curriculum Vitae

### Personal information Kerstin Brakmann

#### Work experience

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1. Employer: Veterinary practice for Farm Animals, Oldenburg, Lower Saxony
  - Start date: 012005
  - End date: 112006
  - Position: Veterinary practitioner
  - Activities: General Healthcare of all internal and surgical fields in large animals
  - Country: Germany
2. Employer: Freie Universität Berlin, Faculty of Veterinary Medicine, Clinic for Ruminants and Swine
  - Start date: 122006
  - End date: 122013
  - Position: Veterinarian, Scientific assistant
  - Activities: Internal Medicine and Surgery in Ruminants Clinical Health Management and Herd Health Monitoring Lecture and Clinical Instruction
  - Country: Germany
3. Employer: Deutsches Herzzentrum Berlin (German Heart Institute Berlin), Department for Congenital Heart Defects and Pediatric Cardiology
  - Start date: 012014
  - End date: 122015
  - Position: Veterinarian, Research assistant
  - Activities: Preclinical testing of tissue\_engineered pulmonary valves for catheter implantation Anesthesia and Health Monitoring in Sheep
  - Country: Germany
4. Employer: BIOTRONIK
  - Start date: 012016
  - End date: 102017
  - Position: Veterinarian, Project Manager
  - Activities: Research in Cardiac Rhythm Management
  - Country: Germany
5. Employer: Charité Universitätsmedizin Berlin, Department for Congenital Heart Defects and Pediatric Cardiology
  - Start date: 112017
  - End date: 032018
  - Position: Veterinarian, Research Assistant
  - Activities: Study Conduction: Preclinical testing and Biocompatibility of Autologous Pulmonary Heart Valves
  - Country: Germany
6. Employer: Federal Office for Consumer Protection and Food Safety (BVL)
  - Start date: 042018
  - End date:
  - Position: Scientific Employee
  - Activities: Procedures according to New Vet Regulation, EU VO 2029/06, Assessment of Post Marketing Variations, SPC-Harmonisation procedures and Withdrawals concerning Authorisations not to be marketed anymore
  - Country: Germany

#### Education and training

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1. Subject: Freie Universität Berlin, Faculty of Veterinary Medicine
  - Start date: 101998
  - End date: 122003
  - Qualification: Degree in Veterinary Medicine (DVM)
  - Organisation:
  - Country: Germany
2. Subject: Freie Universität Berlin, Faculty of Veterinary Medicine, Clinic for Ruminants and Swine
  - Start date: 012004
  - End date: 012010
  - Qualification: Doctor in Veterinary Medicine (Dr. med. vet.)
  - Organisation: Obstetrics Neonatology Prepartum nutrition Body condition in prepartum heifers
  - Country: Germany

#### Additional information

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##### Publications

Spriestersbach H, Sanders B, Fioretta E, Bruder L, O h\_IcÍ D, Radtke T, Bartosch M, Peters H, Brakmann K, Sigler M, Frese L, Dijkman PE, Baajens FPT, Hoerstrup SP, Berger F, Schmitt B: Up to One Year In Vivo Functionality of Transvenously Implanted Tissue\_Engineered Pulmonary Heart Valves in Sheep. Thorac cardiovasc Surg 2015; 63 \_ V0020 DOI: 10.1055/s\_0035\_1555976  
\*\*\*\*\*  
Brakmann K, Spriestersbach H, Berger F, Schmitt B.: Administration of Dalteparin in Sheep for Cardiac Interventions. Interv Cardiol J 2015, 1:1. DOI: 10.21767/2471\_8157.10009  
\*\*\*\*\*  
Bruder L, Spriestersbach H, Bartosch M, Brakmann K, Sanders B, Loerakker S, Baajens F, Dijkman PE, Frese L, Emmert M, Hoerstrup S, Berger F, Schmitt B: Breakthrough One\_Year functionality of Transvenously Implanted,

Decellularized Tissue\_Engineered Pulmonary Heart Valves (dTEHV) in a Sheep Model. Thorac cardiovasc Surg 2018; 66(S 02): S111\_S138 DOI: 10.1055/s\_0038\_1628315  
\*\*\*\*\*  
Emmert MY, Schmitt B, Loerakker S, Sanders B, Spriestersbach H, Fioretta ES, Bruder L, Brakmann K, Motta SE, Lintas V, Dijkman PE, Frese L, Berger F, Baaijens FPT, Hoerstrup SP.: Computational modeling guides tissue\_engineered heart valve design for long\_term in vivo performance in a translational sheep model. Science Translational Medicine. May 9, 2018. DOI: 10.1126/scitranslmed.aan4587  
\*\*\*\*\*  
Bruder L, Spriestersbach H, Brakmann K, Stegner V, Sigler M, Berger F, Schmitt B:Transcatheter Decellularized Tissue\_Engineered Heart Valve (dTEHV) Grown on Polyglycolic Acid (PGA) Scaffold Coated with P4HB Shows Improved Functionality over 52Weeks due to Polyether\_Ether\_Ketone (PEEK) Insert. Journal of Functional Biomaterials. Nov 13, 2018.

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