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Prof. Dr. Mariusz P. Kowalewski, PhD
Professor of Functional Microanatomy

Postdoctoral Research Position
in comparative reproductive endocrinology
(SNSF grant)
Institute of Veterinary Anatomy,
Vetsuisse Faculty,
University of Zurich, Zurich, Switzerland

Short Description:

A postdoctoral position is available in the Group of Reproductive Biology of the Institute of Veterinary Anatomy. The candidate will join an energetic international team of young researchers, with ample resources and excellent training opportunities.

Our research interest is on comparative reproductive biology and endocrinology of domestic animals with primary focus on the canine species (*more details under ORCID <https://orcid.org/0000-0002-4565-7714>*): luteal, uterine and placental function, embryo/feto-maternal communication during establishment, maintenance and termination of pregnancy, canine-specific decidualization. In particular the latter aspect, i.e., the placental feto-maternal cell-to-cell communication during canine pregnancy is the main goal of our current investigations (founded by SNSF grant).

Our research has both exploratory and practical relevance. Until recently, most knowledge about canine reproduction was based on clinical research and practical experience. Biological and molecular endocrine mechanisms were not known. Our research helps to fill this knowledge gap, helping development of more accurate treatment methods and better understanding of underlying biological effects.

Requirements

The selected individual must have a PhD degree with experience in reproductive biology research (preferably on female reproduction), or developmental biology, strong molecular- and cell biology background and excellent writing and presentation skills. Bioinformatics skills (e.g., RNA-Seq) are welcome.

Candidates with vet-med background will be preferred.

Qualified candidates should be self-driven and highly motivated individuals with an established track record, including first-author publications. The project will involve cell culture experiments, thus, time flexibility will be required.

The successful candidate will be expected to work independently, bring his/her own ideas to further development of the project and contribute to experimental design.

Further responsibilities include:

- Presenting the research through poster/oral presentations and peer-reviewed publications
- Designing, carrying out, and troubleshooting experiments
- Supervising graduate students in the lab.

Contribution to teaching activities of the Institute will be expected depending on background and experience.

Deadline: Open until filled; reviewing of applications will start in December 2019.

Salary will be in accordance with the guidelines of the (SNSF) Swiss National Science Foundation and is available for 3 years (full time appointment).

Please, send an email including: one-page cover letter describing your areas of research interest and career goals, CV with bibliography and contact information for 3 references combined into one PDF file to:

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