



Petra Martinac

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Title PhD Project: Endoplasmatic reticulum turnover and outcome of sepsis

Main Research Interests

- Characterization of the clinical phenotype of FAM134 A-, B-, & C-deficient mice in a semi-lethal model of polymicrobial sepsis (peritoneal contamination and infection)
- Bacterial burden and markers of tissue injury, and tissue damage control as a function of deletion of FAM134 isoforms
- Contribution of FAM134 isoforms to tissue-specific ER-stress and its impact on specific organs affected during polymicrobial sepsis

Methodological Experiences

- Isolation of primary hepatocyte, DNA, RNA, proteins
- Westernblot, qPCR, RT-qPCR, ELISA, Flow Cytometry
- Immunofluorescence

Curriculum Vitae

- Davis United World College Scholarship (August 2007 – May 2013)
- Bachelor of Arts, Biochemistry (August 2009 - May 2013)
Earlham College; Richmond (IN), USA
- Master of Science, Molecular Medicine (October 2014 – August 2016)
Friedrich Schiller University; Jena, Germany
- Doctoral Candidate, Faculty of Medicine (August 2016 – present)
Friedrich Schiller University; Jena, Germany
International Leibniz Research School; Jena, Germany