

Jan-Philipp Praetorius

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Curriculum vitae

Main Research Areas

- Automated analysis of microscopic image data of host-pathogen interaction

Professional Career

since 2019	PhD student in Bioinformatics at the Hans Knöll Institute

2019	M.Sc. in Computational and Data Science at the Friedrich Schiller University Jena
2016	B.Sc. in Business Information Systems at the Friedrich Schiller University Jena

Publications

Praetorius JP, Walluks K, Svensson CM, Arnold D, Figge MT[#] (2023) IMFSegNet: Cost-effective and objective quantification of intramuscular fat in histological sections by deep learning. *Comput Struct Biotechnol J* 21, 3696-3704.

Details



Belyaev I[*], Marolda A[*], Praetorius JP, Sarkar A, Medyukhina A, Hünniger K, Kurzai O, Figge MT (2022) Automated characterisation of neutrophil activation phenotypes in *ex vivo* human *Candida* blood infections. *Comput Struct Biotechnol J* 20, 2297-2308.

Details



PAPER
SUPPL

Belyaev I*, Praetorius JP*, Medyukhina A, Figge MT (2021) Enhanced segmentation of label-free cells for automated migration and interaction tracking. *Cytometry A* 99(12), 1218-1229.

Details

PubMed
OPEN ACCESS
PAPER

Lehnert T, Praußе MTE, Hünniger K, Praetorius JP, Kurzai O, Figge MT (2021) Comparative assessment of immune evasion mechanisms in human whole-blood infection assays by a systems biology approach. *PLOS One* 16(4), e0249372.

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Publication list as PDF