Curriculum Vitae

Personal information

kathi westphal-settele

Work experience

since 07/2012
Senior Research Associate
German Environment Agency (UBA), Dessau, Germany
Main areas of work: Environmental risk assessment of human and veterinary pharmaceuticals, Projects and conceptual work on antibiotics and AMR in the environment

09/2008 - 12/2011
Laboratory manager and project manager
Heidelberg University Hospital, Germany
Focus: Skin research (wound healing) on 2D/3D in-vitro models

01/2005 - 08/2008
Doctorate (Dr. rer. nat./Ph.D.)
DKFZ (German Cancer Research Centre), Heidelberg
Charité, Clinic for Dermatology, Venereology and Allergology, Berlin, Germany
Focus: Skin cancer research (HPV and non-melanoma skin cancer)

10/96 - 12/03
Biology studies
University of Rostock, Germany
Specialisations: animal physiology, molecular biology

Education and training

04/2021
Degree in ecotoxicology
Postgraduate programme (GDCh /SETAC GLB)

Additional information

Publications

*Kneis D, de la Cruz Barron M, Konyali D, Westphal V, Schröder P, **Westphal-Settele K**, Schönfeld J, Jungmann D, Berendonk T U, Klümper U. (2025) Ecology-based approach to predict no-effect antibiotic concentrations for minimizing environmental selection of resistance. The ISME Journal, Vol. 19 (1). **https://doi.org/10.1093/ismejo/wraf172***

***Westphal-Settele K**, Konradi S, Balzer F, Schönfeld J, Schmithausen R. (2018) The environment as a reservoir for*

antimicrobial resistance: A growing problem for public health? Bundesgesundheitsblatt May;61(5):533-542.
DOI: 10.1007/s00103-018-2729-8 Review. German

*Muth-Köhne E, **Westphal-Settele K**, Brückner J, Konradi S, Schiller V, Schäfers C, Teigeler M, Fenske M. (2016) Linking the response of endocrine regulated genes to adverse effects on sex differentiation improves comprehension of aromatase inhibition in a Fish Sexual Development**.** Test. Aquat. Toxicol. Jul 176:116-27.*
DOI: 10.1016/j.aquatox.2016.04.018

*Safferling K, Sütterlin T, **Westphal** K, Ernst C, Breuhahn K, James M, Jäger D, Halama N, Grabe N. (2013) Wound healing revised: a novel reepithelialization mechanism revealed by in vitro and in silico models. Journal of Cell Biology. 203(4)691-09.*
DOI: 10.1083/jcb.201212020

*Schmitt S, Safferling K, **Westphal K**, Hrabowski M, Müller U, Angel P, Wiechert L, Ehemann V, Müller B, Holland-Cunz S, Stichel D, Harder N, Rohr K, Germann G, Matthäus F, Schirmacher P, Grabe N, Breuhahn K. (2013) Stathmin regulates keratinocyte proliferation and migration during cutaneous regeneration. PLoS One. Sep 16;8(9). DOI:*
10.1371/journal.pone.0075075

***Westphal K**, Safferling K, Guziolowski C, Grabe N. (2011) Dermal-Epidermal Crosstalk: Quantification of Proliferation in Wound Healing using a 3D in vitro Model. Journal of Investigative Dermatology. 113, suppl.2.*

*Pommerencke T, **Westphal K**, Ernst C, Safferling K, Dickhaus H, Steinberg T, Tomakidi P, Grabe N. (2010) Spatial quantification and classification of skin response following perturbation using organotypic skin cultures. Bioinformatics. Nov 1;26(21):2760-6.*
DOI: https://doi.org/10.1093/bioinformatics/btq525

*Halama N, Zoernig I, Spille A, Michel S, Kloor M, Grauling-Halama S, **Westphal K**, Schirmacher P, Jäger D, Grabe N. (2010) Quantification of prognostic immune cell markers in colorectal cancer using whole slide imaging tumor maps. Anal Quant Cytol Histol. Dec;32(6):333-40.* PMID: 21456345.

*Lahrmann B, Halama N, **Westphal K**, Ernst C, Elsawaf Z, Sinn P, Bosch FX, Dickhaus H, Jäger D, Schirmacher P, Grabe N. (2010) Robust gridding of TMAs after whole-slide imaging using template matching. Cytometry A. Jul 26.* DOI: 10.1002/cyto.a.20949

***Westphal K**, Akgül B, Storey A and Nindl I (2009) Cutaneous human papillomavirus E7 type-specific effects on differentiation and proliferation of organotypic skin cultures. Cellular Oncology. 31(3):213-26.* DOI: 10.3233/CLO-2009-0476

Projects	2022 - 2024 Collaboration on DART 2030 (German Antimicrobial Resistance Strategy and Action Plan), environmental section
Memberships	Member "One Health Platform"
Other Relevant Information	