

Curriculum Vitae

Personal information Jens Schönfeld

Work experience

1. Employer: Federal Environment Agency
 - Start date: 022009
 - End date:
 - Position: Senior Scientific Assessor
 - Activities: 1. Environmental Risk Assessment of Human and Veterinary Medicinal Products. 2. Training courses for students, consultants and industry, regarding the ERA for pharmaceuticals. 3. Advise government departments, including EU DG Environment and DG SANTE, regarding environmental impacts of pharmaceuticals
 - Country: Germany
2. Employer: Federal Environment Agency
 - Start date: 052007
 - End date: 012009
 - Position: Senior Scientific Assessor
 - Activities: 1. Environmental Risk Assessment of biocides. 2. Further development of assessment criteria for biodegradation and bioaccumulation
 - Country: Germany
3. Employer: Federal Biological Research Centre for Agriculture and Forestry (BBA)
 - Start date: 041998
 - End date: 072004
 - Position: Graduate Research Associate
 - Activities: Research in the fields of microbial ecology, plant pathology and biosafety (genetic engineering)
 - Country: Germany

Education and training

1. Subject: LIPM, INRA_CNRS, Toulouse
 - Start date: 102002
 - End date: 042003
 - Qualification: Marie Curie Training fellowship
 - Organisation: "Comparative studies on the relatedness of different *Ralstonia* strains to the genome of *Ralstonia solanacearum* strain GM11000 based on whole genome microarray analysis"
 - Country: France
2. Subject: Universities of Konstanz, Kiel and Braunschweig
 - Start date: 111990
 - End date: 051997
 - Qualification: Diploma in biology
 - Organisation: Applied Ecology Microbiology Genetics Geo_Ecology
 - Country: Germany

Additional information

Publications

Doyle, U., Schröder, P., Schönfeld, J., and Westphal_Settele, K. 2020. What is the One Health approach, and how to implement it? UMID 2/2020 pp. 65_72 P. Schröder, P., Westphal_Settele, K., Konradi, S. and Schönfeld, J. 2020. Antibiotika, Umwelt und »One Health« – Wissenswertes für die tägliche Praxis. *internistische praxis* 62 / 1. 157_179

Adler, N. et al. 2018. Antibiotics and Antibiotic Resistances in the Environment. Background, Challenges and Options for Action. Background paper, German Environment Agency Westphal_Settele, K., Konradi, S., Balzer, F., Schönfeld, J. and Schmithausen, R. Die Umwelt als Reservoir für Antibiotikaresistenzen – Ein wachsendes Problem für die öffentliche Gesundheit? *Bundesgesundheitsblatt – Gesundheitsforschung – Gesundheitsschutz* 5/2018, 533_542

Schönfeld, J., Konradi, S., Berkner, S., Westphal_Settele, K. „Antimikrobielle Resistenzen in der Umwelt – Gibt es Neues zum bekannten Phänomen?“ UMID 2/2017 pp. 7_19 Brandt, K.K., Amézquita, A., Backhaus, T., Boxall, A., Coors, A., Heberer, T., Lawrence, J.R., Lazorchak, J., Snape, J.R., Zhu, Y.-G., and E. Topp (2015). "Ecotoxicological assessment of antibiotics: A call for improved consideration of microorganisms." *Environ Internat* 85: 189_205. Berkner, S. Konradi, S. and Schönfeld, J. (2014). "Antibiotic resistance and the environment – there and back again." *EMBO Reports* DOI 10.15252/embr.201438978: 5. Rauter, C., Friesen, A., Hermann, G., Jöhncke, U., Kehrner, A., Neumann, M., Prutz, I., Schönfeld, J., Wiemann, A., Willhaus, K., Wöltjen, J. and Duquesne, S. (2014). Proposal for a harmonised PBT identification across different regulatory frameworks. *Environ. Sci. Eur.* 26(9): 13 pp. Ashbolt, N.J., Amézquita, A., Backhaus, T., Borriello, P., Brandt, K.K., Collignon, P., Coors, A., Finley, R., Gaze, W.H., Heberer, T., Lawrence, J.R., Larsson, D.G., McEwen, S.A., Ryan, J.J., Schönfeld, J., Silley, P., Snape, J.R., Van den Eede, C., and Topp E. (2013). Human Health Risk Assessment (HHRA) for environmental development and transfer of antibiotic resistance. *Environ Health Perspect.* 121(9): 993_1001. Prutz, I., Schönfeld, J., and Wiemann, A. (2013). Gefährliche Stoffeigenschaften: PBT-Bewertung von Arzneimitteln. *Mitt Umweltchem Ökotox* 2/2013: 34_37. Küster, A., Lehmann, S., Hein, A., and Schönfeld, J. (2013). Antibiotics in the environment – effects and side effects. *Umwelt und Mensch – Informationsdienst UMID* 1/2013: 18_28. Rönnefahrt, I., Amato, R., Ebert, I., and Schönfeld, J. (2012). Pharmaceuticals in the environment – Are they of concern? *Umwelt und Mensch – Informationsdienst UMID* 1/2012: 36_43 Gomes, N.C.M., Heuer, H., Schönfeld, J., Costa, R., Hagler-Mendonca, L. & K. Smalla. 2001. Bacterial diversity of the rhizosphere of maize (*Zea mays*) grown in tropical soil studied by temperature gradient gel electrophoresis. *Plant and Soil* 232: 167_180. Heuer, H., Wieland, G., Schönfeld, J., Schönwälder, A., Gomes, N.C.M. & K. Smalla. 2001. Bacterial community profiling using DGGE or TGGE analysis. In *Environmental molecular microbiology: protocols and applications*. Chapter 13 (book chapter). Schönfeld, J., Gelsomino, A., van Overbeek, L.S., Smalla, K. & J.D. van Elsas. 2002. Effects of compost addition and simulated

solarisation on the fate of *Ralstonia solanacearum* biovar 2 and indigenous bacteria in soil. FEMS Microbiology Ecology 43 (1), 63_74. van Elsas, J.D., van Overbeek, L.S., Bailey, M.J., Schönfeld, J. & K. Smalla. 2005. Fate of *Ralstonia solanacearum* biovar 2 as affected by conditions and soil treatments in temperate climate zones. p. 39_49. In Allen, C., Prior, P. & A.C. Hayward (ed.), Bacterial wilt disease and the *Ralstonia solanacearum* species complex. APS Press, St. Paul, Minnesota. Schönfeld, J., Heuer, H. & K. Smalla. 2003. Specific and sensitive detection of *Ralstonia solanacearum* in soil on the basis of PCR amplification of *fliC* fragments. Applied and Environmental Microbiology 69 (12), 7248–7256.

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