Original publications and contributions

- **U.W. Liebal**, T. Millat, I. de Jong, O. Kuipers, U. Völker, and O. Wolkenhauer. How mathematical modelling elucidates signalling in *Bacillus subtilis* . *Mol Microbiol*, 77(5):1083-1095, 2010. doi: 10.1111/j.1365-2958.2010.07283.x

  Ulf Liebal conceived and designed the review. Ulf Liebal performed the literature search and wrote the paper. Ulf Liebal wrote the manuscript.

- **U.W. Liebal**, T. Millat, J. Marles-Wright, R.J. Lewis, and O. Wolkenhauer. Simulations of stressosome activation emphasize allosteric interactions between RsbR and RsbT. submitted, 07/2012.

  Ulf Liebal conceived and designed the research. Ulf Liebal generated and analysed the data. Ulf Liebal wrote the manuscript.

- **U.W. Liebal**, P.K. Sappa, T. Millat, L. Steil, G. Homuth, U. Völker, and O. Wolkenhauer. Proteolysis of β-galactosidase following σ^B activation in *Bacillus subtilis*. *Mol BioSyst*, 8(6):1806–14, 2012. doi: 10.1039/C2MB25031D

  Ulf Liebal participated in conceiving and designing the research, all experiments have been performed by Praveen K. Sappa. Ulf Liebal performed all simulations. Ulf Liebal wrote the manuscript.

- S. Nikolov, X. Lai, **U. Liebal**, O. Wolkenhauer, and J. Vera. Integration of Sensitivity and Bifurcation Analysis to Detect Critical Processes in a Model Combining Signalling and Cell Population Dynamics. *International Journal of Systems Science*, 41(1):81 105, 2009. doi: 10.1080/00207720903147746

  Ulf Liebal supported the sensitivity analysis. Ulf Liebal edited the manuscript.