



Prof. Julia Bandow
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Julia Bandow is a full professor of Applied Microbiology at Ruhr University Bochum/Germany. She received a PhD in Microbiology from Ernst-Moritz-Arndt University of Greifswald/Germany in 2002 and then joined Pfizer Global Research and Development, Ann Arbor Michigan/USA, where she utilized proteomic methods to identify drug mechanisms of actions and biomarkers of disease and drug efficacy. In 2008 after six years in industry, she joined RUB to pursue an academic career.

Bandow's research interests focus on antibacterial strategies. In 2014 she was honored with the Research Award of the German Microbiology Society (VAAM) for her contributions to antibiotic research. Her current projects include the search for novel antibiotics on the basis of natural products and metalloantibiotics as well as applications of non-equilibrium plasma in microbiology and biotechnology. In particular, Bandow is interested in the effects of plasma treatment on bacteria and proteins, and in the bacterial defense mechanisms. Bandow participates as a principal investigator in the collaborative research center "Transient atmospheric plasmas - from plasmas to liquids to solids" at RUB funded by the German Research Foundation (SFB 1316-1).