



Dr. Ingrid Richter

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Curriculum vitae

Professional Career

Since 2017	Research assistant, Leibniz-HKI Jena, Germany, funded through a Marie Skłodowska-Curie-Postdoctoral Fellowship 2018/2019 (European Union Horizon 2020 Research and Innovation Program)
2015	Research assistant, University of Konstanz, Germany, funded through a Stipend for Returning German Scientists (DAAD Bonn)
2015	Research assistant, Cawthron Institut Nelson, New Zealand
2011 - 2015	Ph.D., Victoria University of Wellington and

2009 - 2011	Cawthron Institut Nelson, New Zealand, funded through a Ph.D. Scholarship (Victoria University of Wellington) MSc in Biological Sciences, University of Waikato, Hamilton, New Zealand, funded through an MSc Study Award (University of Waikato)
Awards · Appointments · Scientific Activities	
2023	Network Fund (Collaborative Research Center ChemBioSys Jena)
2021	Medac Research Prize (medac GmbH and Leibniz-HKI)
2020	Drug of the Year Award (Leibniz Foundation)
2019	Medac Research Prize (medac GmbH and Leibniz-HKI)
2018-2020	Marie Skłodowska-Curie-Postdoctoral Fellowship (European Union Horizon 2020 Research and Innovation Program)
2015	Stipend for Returning German Scientists (DAAD Bonn)
2015	Best Student Publication Award, Victoria University of Wellington, New Zealand
2014	Best Student Talk, New Zealand Marine Science Annual Conference, Nelson, New Zealand

Publications

Richter I, Uzum Z, Wein P, Molloy EM, Moebius N, Stinear TP, Pidot SJ, Hertweck C (2023) Transcription activator-like effectors from endosymbiotic bacteria control the reproduction of their fungal host. *mBio* 14(6), e0182423.

[Details](#)



Richter I, Wein P, Uzum Z, Stanley CE, Krabbe J, Molloy EM, Moebius N, Ferling I, Hillmann F, Hertweck C (2023) Transcription activator-like effector protects bacterial endosymbionts from entrapment within fungal hyphae. *Curr Biol* 33(13), 2646-2656.e4..

[Details](#)



Hasan M, Schulze S, Berndt L, Palm G J, Braga D, Richter I, Last D, Lammers M, Lackner G[#] (2022) Diversification by CofC and control by CofD govern biosynthesis and evolution of coenzyme F420 and its derivative 3PG-F420. *mBio* 13(1), e03501-21.

[Details](#)



Richter I, Radosa S, Cseresnyés Z, Ferling I, Büttner H, Niehs SP, Gerst R, Figge MT, Hillmann F, Hertweck C (2022) Toxin-producing endosymbionts shield pathogenic fungus against micropredators. *mBio* 13(5), e0144022.

[Details](#)



Büttner H^{*}, Niehs SP^{*}, Vandelannoote K, Cseresnyés Z, Dose B, Richter I, Gerst R, Figge MT, Stinear TP, Pidot SJ, Hertweck C[#] (2021) Bacterial endosymbionts protect beneficial soil fungus from nematode attack. *Proc Natl Acad Sci U S A* 118(37), e2110669118.

[Details](#)



Braga D, Last D, Hasan M, Guo H, Lechnitz D, Uzum Z, Richter I, Schalk F, Beemelmans C, Hertweck C, Lackner G (2019) Metabolic pathway rerouting in *Paraburkholderia rhizoxinica* evolved long-overlooked derivatives of coenzyme F420. *ACS Chem Biol* 14(9), 2088-2094.

[Details](#)



Trottmann F, Franke J, Richter I, Ishida K, Cyrulies M, Dahse HM, Regestein L, Hertweck C (2019) Cyclopropanol warhead in malleicyprol confers virulence of human- and animal-pathogenic

Burkholderia species. *Angew Chem Int Ed* 58(40), 14129-14133.

[Details](#)



Fletcher L, Zaiko A, Atalah J, Richter I, Dufour C, Pochon X, Wood S, Hopkins G (2017) Bilge water as a vector for the spread of marine pests: a morphological, metabarcoding and experimental assessment *Biological Invasions* 19(10), 2851-2867.

[Details](#)



Wood SA, Zaiko A, Richter I, Inglis GJ, Pochon X (2017) Development of a real-time polymerase chain reaction assay for the detection of the invasive Mediterranean fanworm, *Sabella spallanzanii*, in environmental samples. *Environ Sci Pollut Res Int* 24(21), 17373-17382.

[Details](#)



Richter I, Fidler AE (2015) Detection of marine microalgal biotoxins using bioassays based on functional expression of tunicate xenobiotic receptors in yeast. *Toxicon* 95, 13-22.

[Details](#)



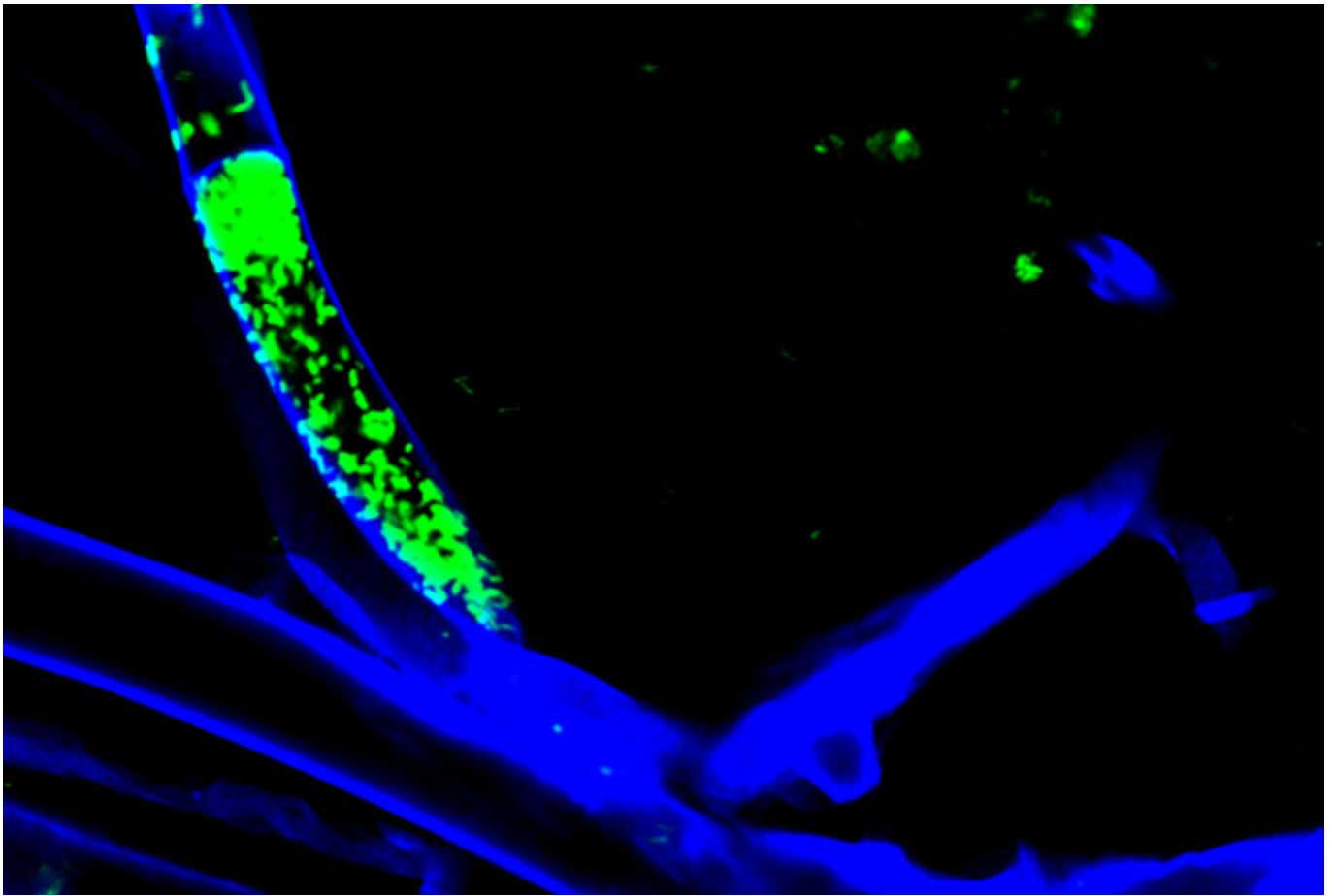
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