

Dr. Evelyn Molloy

Biomolecular Chemistry · Postdoc +49 3641 532-1711 evelyn.molloy@leibniz-hki.de

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

PubMed OPEN ACCESS

PAPER

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



PAPER

Wein P, Dornblut K, Herkersdorf S, Krüger T, Molloy EM, Brakhage AA, Hoffmeister D, Hertweck C (2023) Bacterial secretion systems contribute to rapid tissue decay in button mushroom soft rot disease. *mBio* 14(4), e0078723.

Details



PAPER

Gude F, Molloy EM, Horch T, Dell M, Dunbar KL, Krabbe J, Groll M, Hertweck C (2022) A specialized polythioamide-binding protein confers antibiotic self-resistance in anaerobic bacteria. *Angew Chem Int Ed* 61(37), e202206168.

Details

Horch T, Molloy EM, Bredy F, Haensch VG, Scherlach K, Dunbar KL, Franke J, Hertweck C (2022) Alternative benzoxazole assembly discovered in anaerobic bacteria provides access to privileged heterocyclic scaffold. *Angew Chem Int Ed* 61(32), e202205409.

Details

Sharma G, Islam ST, Rahi P, Silby MW, Giovannelli D, Welander PV, Ehling-Schulz M, Chaudhry V, Molloy E, Hertweck C, Mundra S, Kalia VC, Lal R, Singh Y, Ruby E, Weigel C, Kolter R (2022) Reply to Oren *et al.*, "New phylum names harmonize prokaryotic nomenclature". *mBio* 13(5), e0232322. (Review)

Details

Molloy EM, Dell M, Haensch VG, Dunbar KL, Feldmann R, Oberheide A, Seyfarth L, Kumpfmüller J, Horch T, Arndt HD, Hertweck C (2021) Enzyme-primed native chemical ligation produces

autoinducing cyclopeptides in clostridia. *Angew Chem Int Ed* 60(19), 10670-10679.

Details

PubMed

PAPER

Dunbar KL, Dell M, Molloy EM, Büttner H, Kumpfmüller J, Hertweck C (2020) An unexpected split-merge pathway to the symmetric nonribosomal peptide antibiotic closthioamide. *Angew Chem Int Ed* 60(8), 4104-4109.

Details

PubMed

OPEN ACCESS

PAPER

Dunbar KL, Dell M, Molloy EM, Kloss F, Hertweck C (2019) Reconstitution of iterative thioamidation in closthioamide biosynthesis reveals a novel nonribosomal peptide backbone-tailoring strategy. *Angew Chem Int Ed* 58(37), 13014-13018.

Details

PubMed

OPEN ACCESS

PAPER

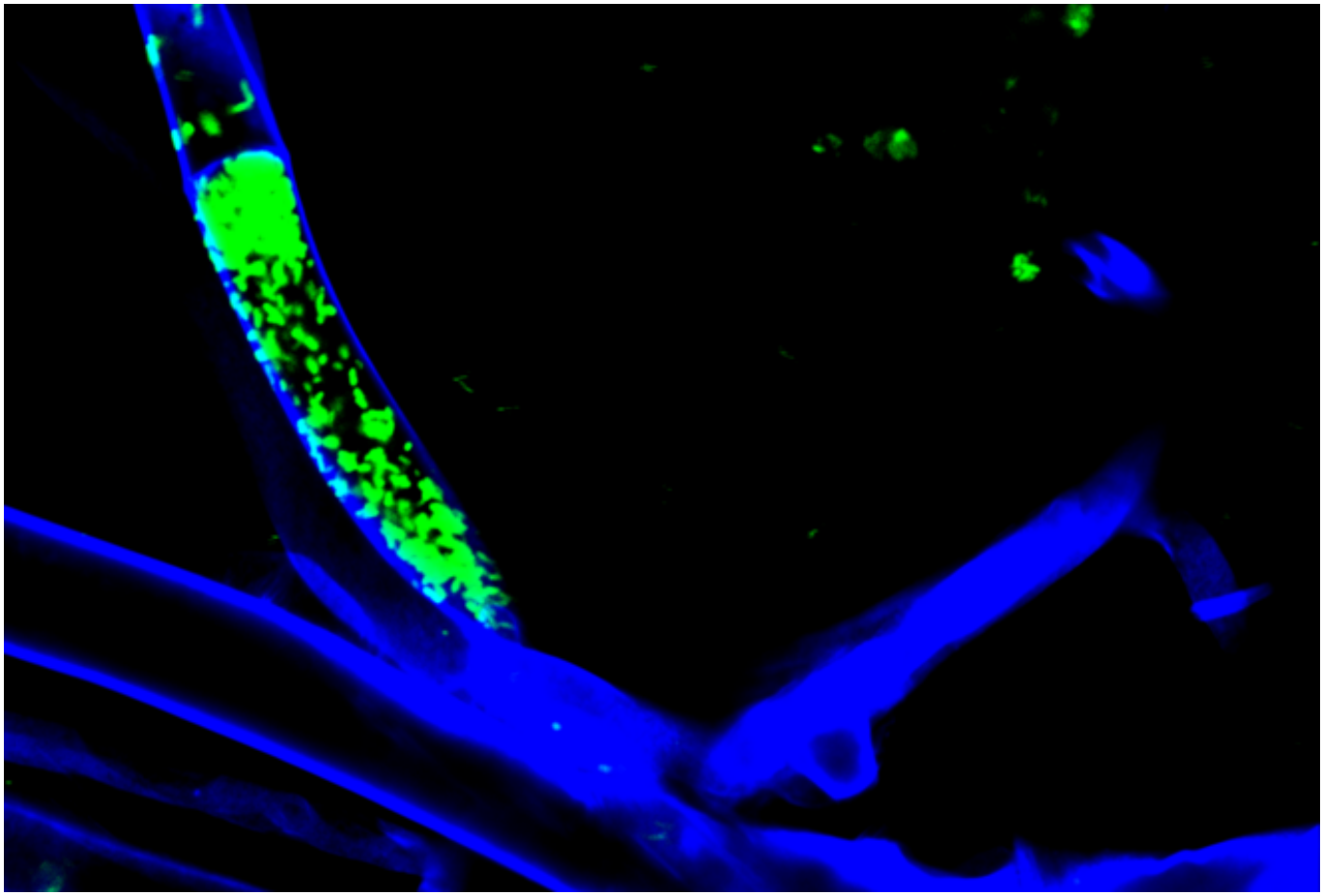
Molloy EM, Dell M, Hertweck C (2019) Discovery of amidotemplated natural product assembly. *Biochemistry* 58(46), 4583-4584. (Review)

Details

- **1**
- 2
- Load more

Publication list as PDF

News



A single molecule upsets symbiosis A new study on the coexistence of bacteria and fungi shows that a mutually beneficial, functioning symbiosis can be very fragile. Researchers at the L...
06/29/2023 Read more