

Publications

1. Gao Y, Amon JD, Brogan AP, **Artzi L**, Ramírez-Guadiana F, Cofsky JC, Kruse A, Rudner DZ. SpoVAF and FigP assemble into oligomeric ion channels that enhance spore germination. *Genes Dev.* 2024 38: 31-45.
2. Morais S, Stern J, **Artzi L**, Fontes CMGA, Bayer EA, Mizrahi I. Carbohydrate depolymerization by intricate cellulosomal systems. In: Abbott, D.W., Zandberg, W.F. (eds) *Carbohydrate-Protein Interactions*. Methods in Molecular Biology, vol 2657. Humana, New York, NY. 2023.
3. Gao Y*, Amon JD*, **Artzi L***, Ramírez-Guadiana F, Brock KP, Cofsky JC, Marks DS, Kruse A, Rudner DZ. Bacterial spore germination receptors are nutrient-gated ion channels. 2023, *Science*, 380:6643 387-391.
4. Brunet YR, Habib C, Brogan AP, **Artzi L**, Rudner DZ. Intrinsically disordered protein regions are required for cell wall homeostasis in *Bacillus subtilis*. *Genes Dev.* 2022, 36: 970-984.
5. Amon JD, **Artzi L**, Rudner DZ. Genetic evidence for signal transduction within the *Bacillus subtilis* GerA germinant receptor. *J. Bacteriol.* 2021, 204, 5-24.
6. **Artzi L**, Alon A, Brock K, Green AG, Tam A, Ramírez-Guadiana F, Marks D, Kruse A, Rudner DZ. Dormant spores sense amino acids through the B subunits of their germination receptors. *Nat. Commun.* 2021, 12, 6842.
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10. Stern J, **Artzi L**, Morais S, Fontes CMGA, and Bayer EA: Carbohydrate depolymerization by intricate cellulosomal systems. In *Methods in Molecular Biology: Protein-Carbohydrate interactions* (Lammerts van Bueren, A., and Abbott, D. W., Eds.), Springer Science, New York 2017, 1588:93-116.
11. **Artzi L**, Bayer EA, and Morais S: Cellulosomes: bacterial nanomachines for dismantling plant polysaccharides. *Nature Rev. Microbiol* 2016, 15: 83–95
12. Davidi L, Morais S, **Artzi L**, Knop D, Hadar Y, Arfi Y, Bayer EA: Towards combined delignification and saccharification of wheat straw by a laccase-containing designer cellulosome *Proc. Natl. Acad. Sci. USA* 2016, 113:10854-59.
13. **Artzi L**, Morag E, Shamshoum M, Bayer EA: Cellulosomal expansin: functionality and incorporation into the complex. *Biotechnol Biofuels* 2016, 9:61.
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