

PUBLICATIONS

1. **Ceja-Navarro, J.A.**, Karaoz, U., Bill, M., Hao, Z., White, R. A., Arellano, A., Ramanculova, L., Filley, T. R., Berry, T., Conrad, M.E., Blackwell, M., Nicora, C.D., Kim, Y.M., Reardon, P., Lipton, M., Adkins, J.A., Pett-Ridge, J., Brodie, E.L. **Gut anatomical development and microbial functional assembly promote lignocellulose deconstruction and colony subsistence of a wood-feeding beetle.** *Nature Microbiology.* (2019) DOI: 10.1038/s41564-019-0384-y
2. Obadia, B., Gunever, Z.T., Zhang, V., **Ceja-Navarro, J.A.**, Brodie, E.L., Ja, W.W., Ludington, W.B. **Probabilistic invasion underlies natural gut microbiome stability.** *Curr. Biol.* 27, R642-R644 (2017).
3. Guerrero, E. B., Soria, M. Salvador, R. **Ceja-Navarro, J.A.**, Campos E., Brodie, E. L., Talia, P. **Effect of different lignocellulosic diets on bacterial microbiota and hydrolytic enzyme activities in the gut of the cotton boll weevil (*Anthonomus grandis*).** *Frontiers in Microbiology.* 7, 2093 (2016).
4. **Ceja-Navarro, J.A.**, Vega, F.E., Karaoz, U., Hao, Z., Jenkins, S., Lim, H.C., Kosina, P., F. Infante, T. R. Northen, and E. L. Brodie. **Gut microbiota mediate caffeine detoxification in the primary insect pest of coffee.** *Nature Communications.* 6, 7618 (2015).
5. Vega, F.E., Brown, S. M., Chen, H., Shen, E., Nair, M. B., **Ceja-Navarro, J. A.**, Brodie, E. L., Infante, F., Dowd, P. F., and Pain, A. **Draft genome of the most devastating insect pest of coffee worldwide: the coffee berry borer, *Hypothenemus hampei*.** *Scientific Reports,* 5, 12525 (2015).
6. **Ceja-Navarro, J.A.**, Nguyen, N. H., Karaoz, U., Gross, S. R., Herman, D. J., Andersen, G. L., Bruns, T. D., Pett-Ridge, J., Blackwell, M., and Brodie, E. L., **Compartmentalized microbial communities, oxygen gradients and nitrogen fixation in the gut of *Odontotaenius disjunctus*.** *ISME J.* 8, 6 (2014).
7. **Ceja-Navarro, J. A.**, Brodie, E.L., and Vega, F.E. **A technique to dissect the alimentary canal of the coffee berry borer (*Hypothenemus hampei*), with isolations of internal microorganisms.** *Journal of Entomological and Acarological Research.* 44, e21 (2012).
8. **Ceja-Navarro, J. A.**, Rivera-Orduña, F. N., Patiño-Zúñiga, L., Vila-Sanjurjo, A., Crossa, J., Govaerts, B., and Dendooven, L. **Phylogenetic and multivariate analyses to determine the effect of different tillage and residue management on soil bacterial communities: Phylogenetic and multivariate analyses.** *Applied and Environmental Microbiology.* 76, 3685 (2010).
9. **Ceja-Navarro, J. A.**, Rivera, F., Patiño-Zúñiga, L., Govaerts, B., Marsch, R., Dendooven, L.. **Molecular analysis of soil bacterial communities in contrasting zero tillage systems.** *Plant and Soil.* 329, 127 (2010).
10. Montoya-González, A., González-Navarro, O.E., Govaerts, B., Sayre, K. D., Estrada, I., Luna-Guido, M., **Ceja-Navarro, J. A.**, Patiño-Zúñiga, L., Marsch, R., and Dendooven,

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11. Patiño-Zúñiga, L., **Ceja-Navarro, J. A.**, Govaerts, B., Luna-Guido, M., Sayre, K. D. , and Dendooven, L. **The effect of different tillage and residue management practices on soil characteristics, inorganic N dynamics and emissions of N₂O, CO₂ and CH₄ in the central highlands of Mexico: a laboratory study.** Plant and Soil. **314**, 231 (2008).