



Recent CBI Journal Photo Cover

PNAS Cover image:

Pictured are cells of the bacterium *Pseudomonas putida* (blue) secreting outer membrane vesicles (OMVs) (orange) during lignin catabolism. Examining lignin modifications and the exoproteome of three aromatic-catabolic bacteria, Davinia Salvachúa et al. found that *P. putida* secretes OMVs that catabolize lignin-derived aromatic compounds. The finding illuminates mechanisms of nutrient acquisition by soil bacteria and detoxification in the extracellular environment. Additionally, the findings suggest that bacterial OMVs play an important role in lignin catabolism. See the article by Salvachúa et al. on pages [9302–9310](#). Image credit: Allison Z. Werner with coloration by Rita Clare (National Renewable Energy Laboratory, Golden, CO)

