

Publications

Xu LL, McIlroy SE, Ni Y, Guibert I, Chen J, Rocha U, Baker DM[#], Panagiotou G[#] (2025) Chemical pollution drives taxonomic and functional shifts in marine sediment 2 microbiome, influencing benthic metazoans. *ISME Commun* 5(1), ycae141.

Chen J, Lu RS, Diaz-Canestro C, Song E, Jia X, Liu Y, Wang C, Cheung CKY, Panagiotou G[#], Xu A[#] (2024) Distinct changes in serum metabolites and lipid species in the onset and progression of NAFLD in obese Chinese. *Comput Struct Biotechnol J* 23(2024), 791-800.

Chen J^{*}, Wang Y^{*}, Xu A, Panagiotou G[#] (2024) The human gut mycobiome and its potential as a regulator of the host's metabolic health. In: Brakhage AA, Kniemeyer O, Zipfel PF (eds.) *The Mycota - Human and Animal Relationships* 3. 6, pp. 121-133. Springer, Cham. ISBN: 978-3-031-64852. (Review)

Wang Y^{*}, Chen J^{*}, Ni Y, Liu Y, Gao X, Tse MA, Panagiotou G[#], Xu A[#] (2024) Exercise-changed gut mycobiome as a potential contributor to metabolic benefits in diabetes prevention: an integrative multi-omics study. *Gut Microbes* 16(1), 2416928.

Chen J^{*}, Leal Siliceo S^{*}, Ni Y, Nielsen HB, Xu A, Panagiotou G (2023) Identification of robust and generalizable biomarkers for microbiome-based stratification in lifestyle interventions. *Microbiome* 11(1), 178.

Nie X, Chen J, Ma X, Ni Y, Shen Y, Yu H, Panagiotou G^{**}, Bao Y^{**} (corresponding authors^{**}) (2020) A metagenome-wide association study of gut microbiome and visceral fat accumulation. *Comput Struct Biotechnol J* 18, 2596-2609.

Seelbinder B, Chen J, Brunke S, Vazquez-Uribe R, Santhanam R, Meyer AC, de Oliveira Lino FS, Chan KF, Loos D, Imamovic L, Tsang CC, Lam RP, Sridhar S, Kang K, Hube B, Woo PCY, Sommer MOA, Panagiotou G[#] (2020) Antibiotics create a shift from mutualism to competition in human gut communities with a longer-lasting impact on fungi than bacteria. *Microbiome* 8(1), 133.

Chen J^{*}, McIlroy SE, Archana A, Baker DM, Panagiotou G^{**} (2019) A pollution gradient contributes to the taxonomic, functional, and resistome diversity of microbial communities in marine sediments. *Microbiome* 7(1), 104.

*equal contribution #corresponding author