

# Publications

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

Chen J, Lu RS, Diaz-Canestro C, Song E, Jia X, Liu Y, Wang C, Cheung CKY, Panagiotou G<sup>#</sup>, Xu A<sup>#</sup> (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<sup>\*</sup>, Wang Y<sup>\*</sup>, Xu A, Panagiotou G<sup>#</sup> (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)

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Chen J<sup>\*</sup>, Leal Siliceo S<sup>\*</sup>, 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<sup>\*\*</sup>, Bao Y<sup>\*\*</sup> (corresponding authors<sup>\*\*</sup>) (2020) A metagenome-wide association study of gut microbiome and visceral fat accumulation. *Comput Struct Biotechnol J* 18, 2596-2609.

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

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