Aitor Blanco-Mguez

List of Publications by Year in Descending Order

26 papers	**826** citations	**11** h-index	**28** g-index
31 ext. papers	**1,493** ext. citations	**10.7** avg, IF	**4.3** L-index

#	Paper	IF	Citations
26	Intestinal Akkermansia muciniphila predicts clinical response to PD-1 blockade in patients with advanced non-small-cell lung cancer.. *Nature Medicine*, **2022**,	50.5	23
25	Cross-cohort gut microbiome associations with immune checkpoint inhibitor response in advanced melanoma.. *Nature Medicine*, **2022**,	50.5	14
24	Hallstatt miners consumed blue cheese and beer during the Iron Age and retained a non-Westernized gut microbiome until the Baroque period. *Current Biology*, **2021**, 31, 5149-5162.e6	6.3	3
23	Integrating taxonomic, functional, and strain-level profiling of diverse microbial communities with bioBakery 3. *ELife*, **2021**, 10,	8.9	114
22	Precision modification of the human gut microbiota targeting surface-associated proteins. *Scientific Reports*, **2021**, 11, 1270	4.9	1
21	Genomic diversity and ecology of human-associated Akkermansia species in the gut microbiome revealed by extensive metagenomic assembly. *Genome Biology*, **2021**, 22, 209	18.3	14
20	In silico and functional analyses of immunomodulatory peptides encrypted in the human gut metaproteome. *Journal of Functional Foods*, **2020**, 70, 103969	5.1	2
19	The extracellular proteins of Lactobacillus acidophilus DSM 20079T display anti-inflammatory effect in both in piglets, healthy human donors and Crohn's Disease patients. *Journal of Functional Foods*, **2020**, 64, 103660	5.1	2
18	Cell wall hydrolase as a surface-associated protein target for the specific detection of Lactobacillus rhamnosus using flow cytometry. *Innovative Food Science and Emerging Technologies*, **2020**, 59, 102240	6.8	2
17	Faecal microbiota transplantation for the treatment of diarrhoea induced by tyrosine-kinase inhibitors in patients with metastatic renal cell carcinoma. *Nature Communications*, **2020**, 11, 4333	17.4	31
16	In silico prediction reveals the existence of potential bioactive neuropeptides produced by the human gut microbiota. *Food Research International*, **2019**, 119, 221-226	7	6
15	DEWE: A novel tool for executing differential expression RNA-Seq workflows in biomedical research. *Computers in Biology and Medicine*, **2019**, 107, 197-205	7	6
14	Computational prediction of the bioactivity potential of proteomes based on expert knowledge. *Journal of Biomedical Informatics*, **2019**, 91, 103121	10.2	1
13	Next generation community assessment of biomedical entity recognition web servers: metrics, performance, interoperability aspects of BeCalm. *Journal of Cheminformatics*, **2019**, 11, 42	8.6	4
12	Resources and tools for the high-throughput, multi-omic study of intestinal microbiota. *Briefings in Bioinformatics*, **2019**, 20, 1032-1056	13.4	8
11	BlasterJS: A novel interactive JavaScript visualisation component for BLAST alignment results. *PLoS ONE*, **2018**, 13, e0205286	3.7	8
10	MAHMI database: a comprehensive MetaHit-based resource for the study of the mechanism of action of the human microbiota. *Database: the Journal of Biological Databases and Curation*, **2017**, 2017,	5	24

LIST OF PUBLICATIONS

9	P4P: a peptidome-based strain-level genome comparison web tool. *Nucleic Acids Research*, **2017**, 45, W265-W269	10.2	9
8	Probiotics, gut microbiota, and their influence on host health and disease. *Molecular Nutrition and Food Research*, **2017**, 61, 1600240	5.9	442
7	Screening of the Human Gut Metaproteome Identifies Th17-Promoting Peptides Encrypted in Proteins of Commensal Bacteria. *Frontiers in Microbiology*, **2017**, 8, 1726	5.7	14
6	A peptidome-based phylogeny pipeline reveals differential peptides at the strain level within Bifidobacterium animalis subsp. lactis. *Food Microbiology*, **2016**, 60, 137-41	6	3
5	Tackling probiotic and gut microbiota functionality through proteomics. *Journal of Proteomics*, **2016**, 147, 28-39	3.9	33
4	Improving Phylogeny Reconstruction at the Strain Level Using Peptidome Datasets. *PLoS Computational Biology*, **2016**, 12, e1005271	5	3
3	From amino acid sequence to bioactivity: The biomedical potential of antitumor peptides. *Protein Science*, **2016**, 25, 1084-95	6.3	42
2	Release of potential pro-inflammatory peptides from SARS-CoV-2 spike glycoproteins in neutrophil-extracellular traps		2
1	Integrating taxonomic, functional, and strain-level profiling of diverse microbial communities with bioBakery 3		22