## PUBLICATIONS

The five works highlighted in green below are those I would particularly like to draw to the committee's attention

\*equal contribution

Kaufhold GN\*, **Bartolomaeus TUP**\*, et al. (2025) Microbiota and clinical features predict long-term weight loss in response to prolonged fasting. *Manuscript in preparation* 

Jerke U\*, Kirchner ML\*, **Bartolomaeus TUP**\*, et al. (2025). Plasma proteome machine learning profiling for biomarker panel development in ANCA vasculitis disease activity. *Manuscript in preparation* 

Birkner T\*, **Bartolomaeus TUP\***, McParland V, Forslund-Startceva SK, Löber U (2025). Effects of Host Contamination in 16S rRNA Gene Sequencing: Bias, Impact, and Mitigation Strategies. *Submitted to Nature Communications* 

Schwanbeck J, Stahnke M, Eberlein A, Goeritzer M, Schulze A, Pernitsch D, Kolb D, Grabner GF, **Bartolomaeus TUP**, et. al. (2025). Endothelial deletion of adipose triglyceride lipase protects against heart failure with preserved ejection fraction. J Clin Invest Insight. DOI: 10.1172/jci.insight.187145

Stürzbecher L, Bartolomaeus H, **Bartolomaeus TUP**, et al. (2025). Outer retina micro-inflammation is driven by T cell responses prior to retinal degeneration in early age-related macular degeneration. Front Immunol. DOI: <u>10.3389/fimmu.2025.1520188</u>

Avery EG, Haag LM, McParland V, Kedziora S, Zigra GJ, Valdes DS, Kirchner M, Popp O, Geisberger S, Nonn O, Karlsen TV, N'Diaye G, Yarritu A, Bartolomaeus H, **Bartolomaeus, TUP**, et al. (2025). Intestinal interstitial fluid isolation provides novel insight into the human host-microbiome interface. Cardiovascular Research. DOI: 10.1093/cvr/cvae267

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Bischof PSP\*, **Bartolomaeus TUP\***, Löber U, Bleidorn C, (2024). Microbiome dynamics and functional composition in *Coelopa frigida* (Diptera, Coelopidae): Insights into trophic specialization of kelp flies. Microbial Ecology, 87, 91. DOI: <u>10.1007/s00248-024-02403-1</u>

Cuthbertson LF, Is-Horowicz JS, Olanipekum MT, Forslund SK, Löber U, Birkner T, **Bartolomaeus TUP**, et al. (2024). Genomic attributes of airway commensal bacteria and mucosa. Communications Biology, 7, 171. DOI: 10.1038/s42003-024-05840-3

Kayongo A\*, **Bartolomaeus TUP**\*, Birkner T\*, Siddharthan T, Markó L, et al. (2023). Sputum microbiome and chronic obstructive pulmonary disease in a rural Ugandan cohort of well-controlled HIV infection. Microbiology Spectrum, 11(2), e02139-21. DOI: 10.1128/spectrum.02139-21

Samuelsson A, **Bartolomaeus TUP**, Anandakumar H, Thowsen I, Nikpey E, et al. (2023). VEGF-B hypertrophy predisposes to transition from diastolic to systolic heart failure in hypertensive rats. Cardiovascular Research, 119(7), 1553–1567. DOI: 10.1093/cvr/cvad040

Noormohammad M, Ghorbani Z, Löber U, Mahdavi-Roshan M, **Bartolomaeus TUP**, et al. (2023). The effect of probiotic and synbiotic supplementation on appetite-regulating hormones and desire to eat: A systematic review and meta-analysis of clinical trials. Pharmacological Research, 187, 106614. DOI: 10.1016/j.phrs.2022.106614

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Zheng Z, Tsvetkov D, **Bartolomaeus TUP**, et al. (2022). Role of TRPC6 in kidney damage after acute ischemic kidney injury. Scientific Reports, 12, 3038. DOI: <u>10.1038/s41598-022-06703-9</u>

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