

Curriculum Vitae Cathérine Kollmann

Personal Data

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Selection of peer-reviewed research articles:

1. **Kollmann C**, Kusnezov B, Kollmann L, *et int*, Flemming S. The effects of endoscopic vacuum therapy for non-operative treatment of anastomotic leakage on oncological outcomes in rectal cancer patients. *Langenbecks Arch Surg*. 2025 Mar 27;410(1):107. doi: 10.1007/s00423-025-03672-1.
2. Hörner M, Burkard N, Kelm M, *et int*, **Kollmann C**, *et int*, Schlegel N. Glial cell line derived neurotrophic factor (GDNF) induces mucosal healing via intestinal stem cell niche activation. *Cell Prolif*. 2025 Feb;58(2):e13758. doi: 10.1111/cpr.13758.
3. **Kollmann C**, Niklas C, Ernestus K, *et int*, Schlegel N. The phenotype of necrotizing enterocolitis correlates with distinct changes of intestinal junctional proteins. *Pathol Res Pract*. 2025 Jan;265:155731. doi: 10.1016/j.prp.2024.155731.
4. **Kollmann C**, Buerkert H, Meir M, *et int*, Schlegel N. Human organoids are superior to cell culture models for intestinal barrier research. *Front Cell Dev Biol*. 2023 Oct 2;11:1223032. doi: 10.3389/fcell.2023.1223032.
5. Nagler S, Ghoreishi Y, **Kollmann C**, *et int*, Schlegel N. Plakophilin 2 regulates intestinal barrier function by modulating protein kinase C activity in vitro. *Tissue Barriers*. 2023 Oct 2;11(4):2138061. doi: 10.1080/21688370.2022.2138061.
6. Meir M, Kannapin F, Diefenbacher M, Ghoreishi Y, **Kollmann C**, *et int*, Schlegel N. Intestinal Epithelial Barrier Maturation by Enteric Glial Cells Is GDNF-Dependent. *Int J Mol Sci*. 2021 Feb 14;22(4):1887. doi: 10.3390/ijms22041887.
7. Meir M, Kannapin F, Diefenbacher M, Ghoreishi Y, **Kollmann C**, *et int*, Schlegel N. Intestinal Epithelial Barrier Maturation by Enteric Glial Cells Is GDNF-Dependent. *Int J Mol Sci*. 2021 Feb 14;22(4):1887. doi: 10.3390/ijms22041887.
8. Meir M, Salm J, Fey C, Schweinlin M, **Kollmann C**, *et int*, Schlegel N. Enteroids Generated from Patients with Severe Inflammation in Crohn's Disease Maintain Alterations of Junctional Proteins. *J Crohns Colitis*. 2020 Oct 5;14(10):1473-1487. doi: 10.1093/ecco-jcc/jjaa085.