BOSTON COLLEGE

Department of Biology

June 30, 2025

Dear [redacted],

I am preparing this document to describe our order from the Laboratory of Gnotobiology. We have recently initiated a collaboration with [redacted] and [redacted]. They kindly conducted preliminary experiments using germ-free (GF) female NOD mice (n=5), and we have already generated interesting data indicating that *P. distasonis*, a gut commensal, increases islet infiltration rates in GF NOD mice.

For this upcoming experiment, we will employ the same model and monitor the animals for 30 weeks. The sample size for this experiment will be substantially increased (minimum n=20-30 per group) to determine the onset of diabetes resulting from *P. distasonis* colonization. The agreed sum for conducting the experiments is $ 5,000.

Please feel free to reach out if you have any questions.

Best regards,

[redacted]

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Boston College
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[redacted] Research Articles published in my laboratory

1. [redacted]t Microbiome, IgA Response and Plasma Metabolome in Development of Pediatric Celiac Disease. **Microbiome**. 2023 Jan 13;11(1):9. doi: 10.1186/s40168-022-01429-2.

2. [redacted]A Gut Microbial Peptide and Molecular Mimicry in the Pathogenesis of Type 1 Diabetes. **PNAS**. 2022 Aug 2;119(31):e2120028119

3. [redacted] Gut Microbiota Regulate Pancreatic Growth, Exocrine Function and Gut Hormones. **Diabetes, 2022** Feb 25;db210382. doi: 10.2337/db21-0382.

4. [redacted]. Viruses and Metabolism: The Effects of Viral Infections and Viral Insulins on Host Metabolism.[redacted]. 2021 Sep 29;8(1):373-391.

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