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September, 9th 2024

Tor Hildebrand, PhD
Lucid Concepts AG
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RE: Correlyze Support Letter

Dear Tor,

I am happy to be included as an external partner on your proposal to develop correlative image analysis system, Correlyze. As an external partner, I would gladly serve on the project's advisory board, share reusable workflows with the members, and continue to collaborate with Lucid and other academic partners on correlative workflows.

As you are aware, we have been collaborating since 2023 to establish XamFlow for my research project that studies bone regeneration. We use mouse models of bone regeneration and one of the main outcomes is quantifying regenerated bone mass by microcomputed tomography (microCT). Prior to XamFlow, we typically had a student or staff dedicated to manually contouring and managing data generated from the manufacture's software that came with microCT. However, the implementation of XamFlow significantly expedited our workflow by automating many of the processes associated with quantifying regenerated bone mass and outputting correctly formatted data. For example, our recent batch of experiments that generated 200 bones, XamFlow analyzed all the samples within days compared to what would usually take a month of student or staff manual efforts. We have been extremely impressed with the software's performance as well as the online support that you and Peter provided, teaching and helping us to develop the workflow.

Your new approach to develop correlative image analysis system will address another challenging aspect of my research that uses both traditional histology and clearing-enabled light sheet microscopy imaging to examine bone. Clearing-enabled light sheet microscopy imaging is a newer technique that further requires rigorous validation and comparisons to traditional approaches such as 2D histological image analysis. Such task will greatly benefit from platforms such as Correlyze by expediting the workflow in unbiased ways. Thus, I enthusiastically support the development of Correlyze as an external partner and please do not hesitate to contact me should you have other needs.

Best regards,

A handwritten signature in black ink, appearing to read 'Frank Ko', written in a cursive style.

Frank Ko, PhD
Assistant Professor, Department of Anatomy & Cell Biology