



Tor Hildebrand, PhD  
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Dear Tor Hildebrand,

I am happy to participate in this project as an external partner 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.

Our research group have a comprehensive dataset from over 1,000 individuals, including both healthy subjects and patients, in Nagasaki City. This dataset comprises bone microstructure data analyzed by high-resolution CT (HR-pQCT), along with bone mineral density measured by DXA, various blood test results, and physical measurements. Traditional methods require substantial effort and time to analyze such complex data, and it is challenging to assess the relationships among these variables. We expect that by applying your application to our data, numerous novel insights can be uncovered.

I think "bone health" will become a more important research topic worldwide in the future. Japan is now the world's most aged society, and often viewed as a model for the future demographic trends worldwide. What is occurring in Japan is an incredible increase in osteoporosis and fractures among the elderly population. In Nagasaki City, fractures are the leading cause of medical expenses, underscoring the urgent need for research and intervention in this area.

Best regards,

*Ko Chiba*

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