



UNIVERSITY of CALIFORNIA, SAN DIEGO

SCHOOL OF MEDICINE

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Dr Wilson Silva Junior,

I am writing this letter of support to collaborate on the molecular pathways involved with epithelial to mesenchymal transition that pertain to cancer stem cells. I am an expert in computational biology, RNA processing and stem cell biology, and am interested in the roles RNA binding proteins play in this area of cancer biology.

My lab can provide experimental experience, bioinformatics and genomics support for these studies in the following areas:

- i) RNA processing in basic stem cell biology. Deciphering the intrinsic and extrinsic signals that control and are important for stem cell proliferation, survival and differentiation is not only important for medical research, but will also improve our understanding of basic developmental biology. We currently focus on the impact of RNA binding proteins and small RNAs during stem cell differentiation.
- (ii) Development of computational and molecular tools. Vast amounts of binding and splicing-sensitive transcriptome data will be generated. Statistical learning theory and generative models will be necessary for making sense of the data. We will continue to develop and apply our expertise in this area. In addition we are developing new molecular capture techniques coupled with high-throughput sequencing for various RNA-related applications.

Sincerely,

A handwritten signature in black ink, appearing to read "Gene Yeo".

Gene Yeo, Ph.D.