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European Research Council Grant Application: *Correlative Tomography (CORREL-CT)*

Dear Phil,

Thank you for your proposal on Correlative Tomography. Through the activities of our two FEI funded researchers Tim Burnett and Bart Winiarski we are pleased to work with you on Correlative Tomography. We are proud to have co-authored with you the Correlative Microscopy paper you published in Scientific Reports last year.

Further, we are very excited by the first results coming out of the Plasma FiB microscope that we installed in your lab this spring; one of only two currently in the world. Your world-leading research exploiting this new instrument demonstrates that it can lie at the heart of a correlative tomography workflow opening up regions of interest submerged deep beneath the surface large producing high resolution serial section tomographs. We are very excited to work with you to develop both this instrument and correlative microscopy as a whole.

We appreciate the linkages between X-ray imaging, scanning electron microscopy and transmission electron microscopy as providing unique multiscale and multifaceted information. Correlative microscopy has already greatly extended the information that can be integrated in 2D, especially for the life sciences. We see your development of 3D correlative tomography, whilst technically much more demanding, as potentially offering even greater benefits. Further, these benefits will extend not just to the area of damage accumulation, which is the target of your ERC proposal, but into many other areas including earth sciences, biology, materials sciences and device materials. We view our joint development of the subject as a critical area for FEI.

Consequently, if you are successful with your ERC bid we will support your ambitious experimental program by dedicating FEI's onsite Research Engineer to the new projects. The value is \$150K Euro.

I do hope you are successful.

Yours,  
Trisha Rice

VP and GM  
Materials Science Business Unit  
FEI Company