High value research areas for the 2019 Celgene-Oxford translational fellowships:

1. Novel targets, biomarkers, cellular therapeutic approaches, or translational models in one of the following areas:
    i. immuno-oncology;
    ii. neurodegenerative and neuroinflammatory diseases including Alzheimer's, Parkinson's, ALS, FTD and MS;
    iii. fibrosing disorders including IPF, NASH, scleroderma, and Renal Fibrosis;
    iv. rheumatic and dermatologic disorders including RA, SLE, spondyloarthropathies, psoriasis and atopic dermatitis; or
    v. hematologic disorders including AML, Myeloma, DLBCL.

2. Methods for evaluating biochemical, cellular, tissue and phenotypic consequences of modulating epigenetic targets.

3. Methods for immuno-phenotyping of human subjects in oncology and autoimmunity

4. Novel imaging approaches to measuring disease activity in the above areas.

5. Novel biostatistical or decision science approaches applicable to the design and interpretation of more efficient Phase 1-2 clinical trials.