Oxford Biotherapeutics
Job Title: IHC Senior Scientist
Location: San Jose, United States

Oxford Biotherapeutics (OBT) is a clinical stage oncology company with a pipeline of immuno-oncology and antibody-drug conjugate based therapies. OBT's IO discovery process provides unique insight into the cancer-immune cell synapse, and has identified several novel IO candidates for cancer therapy. Discovery of novel tumor antigens and immune cell surface proteins at OBT is performed using the proprietary Oxford Genome Anatomy Project (OGAP®) database. OBT currently has two therapeutics (ADCC and ADC) in phase 1 clinical trials in collaboration with Menarini. OBT is a dynamic, growing, international biotechnology company based in Oxford, UK, and San Jose, CA. For further information, please see www.oxfordbiotherapeutics.com

Job Description
We are seeking a motivated and detail-oriented Sr. Scientist to join our histopathology lab within the Target Validation Team at our San Jose, CA site. The appropriate candidate will be expected to independently execute the necessary histopathology techniques for evaluating tumor and immune cell therapeutic targets and supervise one or more RAs. This role will support our target validation efforts and assessment of molecules currently in our pipeline by using immunohistochemistry (IHC), immunofluorescence (IF), in situ hybridization (ISH), microscopy and digital imaging and analysis. The majority of responsibilities will be focused on IHC, including the development, screening, and validation of IHC antibodies, oncology indication-focused tissue procurement, sample processing and embedding (FFPE and FF), sectioning (FFPE and FF), and assay development (both manual and automated). Thorough knowledge of histology and oncology fundamentals is required and some cell culture and molecular biology experience is desirable

Responsibilities will include, but are not limited to, the following:

- Design, develop, and execute translational immunohistochemistry (IHC) and multiplexed immunofluorescence assays, and tissue-based special transcriptomics biomarker assays to support patient stratification, pharmacodynamics, deciphering the mechanism of action, evaluate efficacy & toxicity, and prediction of clinical response from early discovery to first in human proof of concept.

- Developing expertise around target proteins and their expression profiles in oncology indications of interest

- Develop and execute tissue-based experiments, including validation of antibodies, in preclinical models.

- Identify and evaluate new technologies to support our evolving biomarker strategies including digital image analysis and deep learning.

- Responsible for overseeing data analyses and delivery of decisional data of CRO-based projects.

- Effectively collaborate in highly matrixed organization to drive advancement of early stage projects into translational and clinical development.

- Act as a technical expert in his/her field and provide guidance for internal collaborators.

- General lab duties including archiving, ordering, shipping/receiving, tissue culture hood maintenance, hazardous waste disposal, etc.
- Managerial experience with direct reports

Required Qualifications and Skills:

- Ph.D. with at least 5 years of experience, or Bachelor Degree or Masters Degree in the life sciences, with >7 years of experience in cell and molecular biology lab techniques, preference for histology experience

- PhD degree with 2-4 years of industry experience applying translational tissue-based technologies for oncology and/or clinical research (industry experience preferred).

- Extensive experience in histology, normal and diseased tissue sample preparation, sectioning (cryostat and microtome), immunohistochemistry, *in situ* hybridization, and microscopy.

- Extensive experience with chromogenic and fluorescent staining (mono and multiplex) on pre-clinical, non-clinical and clinical samples.

- Expertise with manual/automated microscopy (Bright Field and Fluorescent) and image analysis software and platforms .

- Tissue culture, flow cytometry, si/shKD skills are preferred.

- Knowledge of tumor pathology, cancer biology and immuno-oncology is a plus.

- Strong track record of developing and implementing strategic initiatives to improve scientific and/or operational activities.

- Experience working with service providers and CROs.

- Excellent organization skills and familiarity with a fast-paced work environment.

- Collaborative spirit and ability to thrive in a matrixed environment.