

Opening: Investigative Pathologist, Sanofi, Framingham MA

Global Discovery Pathology team based in Framingham/ Cambridge, MA is committed to delivering project-focused solutions for all Sanofi research projects by providing integrated expertise in translational/comparative pathobiology, specialized histology, and innovative cellular and molecular imaging through our agile, empowered, and collaborative team. We are looking for an Investigative Veterinary Pathologist (Principal Scientist) to join our team.

Qualifications:

A university education in Veterinary or Human Medicine (DVM or MD) with board certification (diplomate, ACVP or equivalent) in Anatomic Pathology is required.

Candidates should have advanced research training (MS/PhD) in biomedical field and 3+ years of translational research experience in academic or biopharmaceutical setting.

The candidate should possess excellent written and verbal communication skills.

Proficiency in digital pathology/image analysis tools, experience with AI-Machine Learning based pathology algorithms, prior experience in drug discovery and transgenic animal model characterization, and broad understanding of novel therapeutic modalities (gene therapy, mRNA, cell therapies etc.) will be a plus.

Primary Responsibilities:

Conduct histopathologic, immunohistochemical, and morphometric evaluations on tissue samples from various preclinical research studies to support therapeutic areas including oncology, rare diseases, immunology, and cardiovascular. Specialized technology, including microscopy, immunohistochemistry, electron microscopy, in situ hybridization, and morphometry/image analysis (digital pathology) is utilized to conduct investigations.

Collaborate with other scientists on projects directed at elucidating disease mechanisms, developing effective therapies and characterizing compound-related toxicity in early drug development.

Conduct histopathologic evaluations of specimens to validate molecular discoveries and, when applicable, help in correlating molecular discoveries with appropriate functional test.

Conduct histopathologic evaluations to identify salient phenotypic features of animal models of human diseases. Understand and explain pathophysiology of disease by integrating information from different sources and across species to achieve a unique perspective on the overall biology of an animal model and its translational relevance.

Accurately diagnose and interpret morphologic findings, and conduct subsequent investigative studies at the cellular, ultrastructural, and/or molecular level to support the morphologic evaluations.

Secondary Responsibilities:

Perform QC analysis using microscopic evaluation of either procured tissue sections or images of the prospective or acquired human and animal tissue specimens for biobanking or other intended applications.

Participate in the development, troubleshooting and standardization of immunohistochemistry (IHC) protocols for novel targets/biomarkers investigations.

Collaborate with departmental colleagues to investigate and implement novel histology and histopathology approaches to enable timely delivery of high quality pathology data to enable project progression.

Participate in project team meetings to present pathology data and/or provide pathology input in study design.

Present project-based pathology data or animal model characterization findings at internal/external scientific meetings.

Perform diagnostic pathology evaluation including morphological and histopathological findings in collaboration with principal investigators and clinicians at the In vivo research center for the investigation of ill or deceased research animals on study.

Contribute to the scientific literature by publishing research findings/case reports in peer-reviewed journals.

At Sanofi R&D North America, we deliver meaningful solutions for patients. We transform science into breakthrough, best-in-class and first-in-class medicines and vaccines. We believe in creating a diverse and inclusive workforce – and workplace – which brings together the collective brainpower of over 2,000 colleagues and provides you with an exciting place to grow and develop. We set the bar high, and we deliver. Join us and together we will build on our trusted legacy of breakthroughs for society.

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