JOB POSTING

Toxicologic Pathologist

Company: Tremont AI

Location: Full-remote

Employment Type: Full-time or part-time (50–80% FTE).

Compensation: Competitive with industry standards.

About Tremont AI

Tremont AI is an early-stage company building artificial intelligence tools for preclinical drug safety assessment. Our products help pathologists and pharmaceutical teams evaluate preclinical data faster, more consistently, and at scale. We directly collaborate with tier-1 pharmaceutical companies and are backed by experienced advisors in AI for pathology and biotech. Our team includes AI engineers, domain scientists, and academic advisors distributed across the US and Europe.

About the Role

We are looking for a board-certified toxicologic pathologist to join our team and serve as the scientific backbone of our AI development efforts. You will function as a product co-creator, working alongside the engineering team to validate and benchmark AI models that interpret histopathology data from preclinical safety studies. Your domain expertise will directly shape how our models understand signs of drug toxicity across multiple preclinical models.

This role can be structured as full-time or part-time depending on your availability. We welcome candidates who maintain concurrent academic or industry positions and are looking for meaningful AI-adjacent work.

What You Will Do

AI Model Validation & Feedback

- Provide feedback to the engineering team during development, with review of AI outputs for biological plausibility across organ systems and preclinical species.
- Identify model failure modes, including systematic prediction biases, and contribute to consensus benchmarks for rigorous performance evaluation.
- Support inter-pathologist variability studies and help define gold-standard evaluation protocols that withstand scientific peer review and regulatory scrutiny.

Data Annotation & Quality Control

- Establish and maintain ground-truth labels for AI training data, annotating whole slide images with lesion diagnoses and severity grades
- Ensure annotation consistency with SEND standards
- Develop annotation guidelines for new organ systems, species, and lesion categories as product scope expands

Regulatory & Client-Facing Expertise

- Serve as the domain authority on preclinical safety assessment workflows in discussions with pharmaceutical clients
- Articulate AI model performance in language that resonates with regulatory reviewers
- Advise on GLP compliance, SEND compatibility, and regulatory strategy as they relate to AI-generated pathology outputs

Required Qualifications

- DVM, VMD, BVSc, or equivalent veterinary medical degree
- Board certification in anatomic pathology by the **ACVP** or **ECVP**. Board-eligible candidates with significant toxicologic pathology experience will also be considered.
- 3+ years of post-certification experience in toxicologic pathology, with involvement in preclinical safety studies across standard laboratory animal species
- Strong written and verbal communication skills in English

Preferred Qualifications

- PhD in toxicology, experimental pathology, or a related discipline
- Experience with digital pathology platforms and whole slide imaging
- Familiarity with, or genuine curiosity about, AI/ML concepts and computational pathology
- Experience with SEND format and regulatory dossier preparation
- Prior experience at a pharmaceutical company, CRO, or biotech
- Comfort working in a fast-paced startup environment alongside software engineers and data scientists

How to Apply

Please send your CV and a brief note describing your interest and relevant experience to:

careers@tremont.ai

Applications are reviewed on a rolling basis. We aim to fill this position by Q3 2026.

If you know someone who might be a strong fit, we would appreciate a referral. The toxicologic pathology community is small, and many of the best candidates are found through personal networks.

Tremont AI is an equal opportunity employer. We welcome applications from all qualified individuals regardless of race, ethnicity, gender, sexual orientation, age, disability, religion, or national origin.