



Trusted Experts in Neuropathology

Specialized GLP-compliant neuropathology services supporting preclinical & regulatory programs through to IND.

- 15+ Years of CNS/PNS Pathology Experience
- 20+ Board Certified Pathologists
- 200+ Studies Every Year

- CONSULTING
- NECROPSY
- HISTOLOGY
- IMAGING
- PATHOLOGY
- ARCHIVING

Neurological programs face heightened risk.

Subtle neurotoxicity findings, variable interpretation, or weak biomarker strategy can delay timelines and create regulatory uncertainty at the point you need clarity most.

StageBio's specialized neuropathology services are built to remove that risk. Our board-certified neuropathologists deliver expert CNS and peripheral nerve evaluation across neurotoxicity, neurodegeneration, developmental models, and demyelination studies, ensuring tissue findings are accurate, consistent, and defensible.

Ask Our Experts

Have you faced challenges in...

- Planning neurotoxicity or DNT assessments for an upcoming IND?
- Ensuring tissue fixation and collection methods are validated?
- Getting pathologist interpretation peer-reviewed?

By integrating optimized tissue handling, advanced IHC, and quantitative digital pathology, we provide:

- Clear safety and mechanism insight
- Robust, reproducible endpoints
- Regulatory-ready reporting for IND and GLP programs

The Result: Confident decisions, protected timelines, and neuropathology data that stands up to scrutiny.

Book a call with our scientific team!

Discuss your study goals and timeline with a StageBio expert to see how we can support your success.

INFO@STAGEBIO.COM



[WEBINARS](#)

[ARTICLES](#)

De-risking CNS & PNS Studies with Expert Neuropathology

Defensible neuropathology for IND-enabling programs

Comprehensive Neuropathology Services for Confident Decision-Making

Modalities

- ASO, AAV, LNP, Antibodies, Small Molecules, NMDA Antagonists, & Medical Devices
- Advanced Modalities from Pilot to GLP IND-Enabling Programs

Direct CNS Delivery

- Intracerebroventricular, Intraparenchymal, & Intrathecal Delivery
- Precise Evaluation of Injection Sites, Local Inflammation, Tissue Injury, & Biodistribution

Specialized Necropsy & Neurohistology

- Perfusion Fixation, Brain, & Spinal Cord Trimming
- Nerve & Ganglia Dissection
- Osmicated Resin Embedding
- Developmental Neurotoxicity
- Special Stains & Immunolabels, including IBA-1, GFAB, FJB, Bielschowsky Silver, & Luxol Fast Blue

Biomarkers & Advanced IHC Panels

- Validated Panels Aligned to Mechanism & Regulatory Expectations:
 - **Neurons:** NeuN, MAP2
 - **Gliosis & Neuroinflammation:** GFAP, IBA-1
 - **Myelination:** MBP, Luxol Fast Blue

Quantitative Morphometry & Stereology

- Workflows delivering reproducible, quantitative endpoints

Digital & High-throughput Imaging

- Whole-slide Scanning: Brightfield & Multiplex Fluorescence
- Micro-CT
- Image Analysis (Visiopharm)
- Remote Access & Integrated Data Management

Plan Early | Meet with a Neuropathology Specialist Today

Talk with our experts now to align tissue strategy, reporting timelines, and regulatory expectations.

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