



Johns Hopkins NF1 Biospecimen Repository

Sample Request Form

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The Johns Hopkins NF1 biospecimen repository offers high-quality tissues, blood samples, and patient-derived xenografts and cell lines that are collected and stored in accordance with [NCI Best Practices](#). Banked samples are reviewed by the study neuro-pathologist for rigorous quality control. Many of our banked specimens undergo comprehensive genomic characterization using RNAseq, whole exome sequencing (WES), and whole genome sequencing (WGS), and data are available through the NF Data Portal upon request.

Our goal is to increase the availability of these tissues to the NF1 research community through scientific resource and data sharing. To request samples or data, we ask that researchers submit a brief summary of the proposed research. Your request will be reviewed by a scientific review committee for scientific merit. Following scientific approval, IRB approval for human specimen sharing will be obtained. Our legal team will draft a sharing agreement between Johns Hopkins and your institution. Sharing may proceed once all approvals are in place. Please allow 4-6 weeks for complete processing of requests but note that this timeline assumes prompt communication with legal and institutional signing representatives.

Investigator and institution information	
<u>Principal Investigator name/title:</u> <u>Email:</u>	<u>Request date:</u>
<u>Principal Investigator address:</u> <u>Phone:</u> <u>Additional lab personnel contact information:</u>	<u>Name and contact information for institutional official who is authorized to enter into agreements on behalf of the institution:</u>
<u>Shipment address for specimens:</u> <u>FedEx account number (required):</u>	<u>Type of request:</u> Preserved specimens (i.e., frozen specimens or FFPE slides) Models (i.e., cell lines and/or PDX) Genomic data (i.e., RNA Seq, WES, WGS)
<u>Additional information that may assist us in fulfilling your request (eg. special handling request):</u>	

Preserved human specimen requests (Please input the number of each tumor and tissue type)	
<p>_____ Cutaneous neurofibroma</p> <p>_____ Flash frozen tissue _____ RNALater preserved tissue _____ Viably frozen tissue _____ Single cell suspension _____ Slides (H&E, unstained, specify) _____ Tissue Microarray _____ Blood (plasma, buffy coat, serum, specify)</p>	<p>_____ Atypical neurofibroma (ANNUBP)</p> <p>_____ Flash frozen tissue _____ RNALater preserved tissue _____ Viably frozen tissue _____ Single cell suspension _____ Slides (H&E, unstained, specify) _____ Tissue Microarray _____ Blood (plasma, buffy coat, serum, specify)</p>
<p>_____ Plexiform neurofibroma</p> <p>_____ Flash frozen tissue _____ RNALater preserved tissue _____ Viably frozen tissue _____ Single cell suspension _____ Slides (H&E, unstained, specify) _____ Tissue Microarray _____ Blood (plasma, buffy coat, serum, specify)</p>	<p>_____ Malignant Peripheral Nerve Sheath Tumor (MPNST)</p> <p>_____ Flash frozen tissue _____ RNALater preserved tissue _____ Viably frozen tissue _____ Single cell suspension _____ Slides (H&E, unstained, specify) _____ Tissue Microarray _____ Blood (plasma, buffy coat, serum, specify)</p>
Please provide additional information and/or requests regarding preserved human specimen:	

Cell line and/or PDX requests	
Several of our models have been published. For examples of available cell lines, see Wang et al., 2023 , PMID 38000020. For examples of available PDX, see Dehner et al., 2021 , PMID 33591953; Wang et al., 2023 , PMID 38000020; & Larsson et al., 2023 , PMID 37246765.	
<p>Cell line</p> <p>_____ Plexiform neurofibroma _____ MPNST</p>	<p>PDX</p> <p>_____ MPNST</p>
Please specify any preferred genomic features, or if you prefer a sequenced PDX model:	

Genomic data access requests		
To request access to published genomic datasets (see Banerjee et al., 2025 , PMID 40664660); please navigate within the NF Data Portal to the Johns Hopkins NF1 biospecimen repository . Under "Study Datasets", see our WES and RNAseq datasets; from there, you will add files to your download cart and submit an Intended Data Use Statement.		
For additional questions or issues locating or accessing data, you may contact the NF-Open Science Initiative team, at nf-osi@sagebionetworks.org .		
To request access to unpublished datasets, such as WGS on CNF and MPNST, please check the boxes below. To request corresponding clinical annotation, please provide details that are necessary for your project to be successful.		
<p>Whole Exome/Genome Sequencing</p> <p>_____ Cutaneous neurofibroma _____ Plexiform neurofibroma _____ ANNUBP _____ MPNST</p>	<p>RNA Sequencing</p> <p>_____ Cutaneous neurofibroma _____ Plexiform neurofibroma _____ ANNUBP _____ MPNST</p>	<p>Additional Genomic Requests:</p>

