**Instructions for ONT Sample Delivery to the ATRF Sequencing Facility:**

. **ONT Direct RNA sequencing:** Please send us about 50 ng poly-tailed RNA or 500 ng total RNA per sample. Bring this quantity of RNA in 9 ul of nuclease-free water and ship it in dry ice.

**. ONT Whole genome sequencing**: Please send at least 2 ug of HMW DNA per sample. We recommend the HMW Circulomics kit (NB-900-001-01) for DNA extraction. Bring this quantity in 47 ul EB buffer or nuclease-free water and ship it in dry ice.

**. ONT Adaptive Sampling sequencing:** Please send at least 5 ug of HMW DNA per sample. We recommend the HMW Circulomics kit (NB-900-001-01) for DNA extraction. Bring this quantity in 75-200 ul EB buffer or nuclease-free water and ship it in dry ice.

**. ONT Ultralong sequencing:** Please send 6 million human cells per sample (or the cell number equivalent to 40 ug of DNA) as a frozen pellet or cryopreserved vial. Please ship the cells in dry ice.

Address to: Juanma Caravaca, Sequencing Facility

**Shipping address:**

Advanced Technology Research Facility

8560 Progress Drive, Room D3040

Frederick, MD 21701

Most of the labs ship samples to us via the NCI-Frederick Courier service. You can submit a pick up request here:  <https://ncifrederick.cancer.gov/cad/shippingwizard/Dashboard/Default.aspx>

Please avoid shipping on Fridays to rule out delays over the weekend and let us know when you ship the samples.

Please fill in the sample details in the sample manifest form as best as you can and send it to caravaj@nih.gov.

If you have not already done it, please submit a NAS request at the link below. Our facility is listed under: Sequencing Facility, Illumina (CCR).

<https://ncifrederick.cancer.gov/Services/Accessioning/Home/SignIn>

Let me know if you have any additional questions for us.

Thanks

Juanma