**Instructions for Bionano Optical Mapping Sample Delivery to the ATRF Sequencing Facility:**

. Please send the cells as a frozen pellet (1.5-2 million cells/sample).

. Please use the Bionano DNA stabilizer buffer to prepare frozen pellets as specified in the document ***SOP Preparing Frozen Cell Pellets Recommended Buffer Bionano*** in order to preserve the DNA quality before extraction.

. 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](mailto: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