

## "iSCORE-PD: scRNA-seq of irradiated WIBR3 cortical spheroids".

### Dataset Description:

Single-cell RNA sequencing of WIBR3-derived Day 25 cortical spheroids exposed to ionizing radiation at doses of 0, 0.5, 2, 5, and 10 Gy. Spheroids were dissociated and assayed 24h post-irradiation via individual 10x Chromium scRNA-seq libraries per condition.

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**Dataset Name:** rio-hesc-spheroids-sc-mnaseq-irradiated, v0.1

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**ASAP Lab:**

**ASAP Project:** iSCORE-PD

**Project Description:** The iSCORE-PD project generated a collection of 65 isogenic human stem cell lines harboring Parkinson's disease-associated mutations in an isogenic WIBR3 hESC background, enabling genetically controlled studies of PD risk genes in disease-relevant cell types.

**Submission Date:** 2026-04-15

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This dataset is made available to researchers via the ASAP CRN Cloud: [cloud.parkinsonsroadmap.org](https://cloud.parkinsonsroadmap.org). Instructions for how to request access can be found in the [User Manual](#).

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