iPSC Request Form

Spring 2022 REQUEST FOR APPLICATIONS

Cellular phenotyping in human ipscs from the ppmi cohort

**Please indicate the number of lines you wish to request. Once completed, please upload this document as a PDF in the Other Attachments (Pre-Proposal) section of the Project Proposal Template tab.**

Fibroblast-derived iPSCs generated through mRNA reprogramming method at NYSCF and expanded by WiCell

|  |  |  |
| --- | --- | --- |
| **Enrollment Arm** | **Number of Subjects** | **iPSCs requested** |
| PD | 24 |  |
| Healthy Controls | 4 |  |

PBMC-derived iPSCs generated through episomal reprogramming method at CDI; some lines expanded by IU

|  |  |  |
| --- | --- | --- |
| **Enrollment Arm** | **Number of Subjects** | **iPSCs requested** |
| **PD Subjects - Total** | **88\*** |  |
| GBA N409S | 15 |  |
| LRRK2 G2019S | 12 |  |
| LRRK2 R1441G | 2 |  |
| SNCA G209A | 3 |  |
| Sporadic PD | 37 |  |
| **Prodromal Subjects - Total** | **52** |  |
| GBA N409S | 19 |  |
| Hyposmia/ Generalized Risk | 5 |  |
| LRRK2 G2019S | 21 |  |
| LRRK2 G2019S and GBA N409S | 2 |  |
| LRRK2 R1441G | 1 |  |
| RBD | 2 |  |
| SNCA G209A | 2 |  |
| **Healthy Control Subjects - Total** | **13** |  |

\*Note that two subjects with iPSCs available recruited as sporadic PD were subsequently found to carry genetic mutations (GBA N409S and LRRK2 G2019S, respectively). All mutations carriers across all study arms are heterozygous

\*See PPMI Cell Lines [Manual of Procedures](https://www.ppmi-info.org/study-design/research-documents-and-sops/) for QC Metrics