|  |  |
| --- | --- |
| **PD/PI and level of effort (person-months):** |  |
| **Project Title:**  |  |
| **Source of Support:** *(include name of sponsor, grant number and project designation)* |  |
| **Indication of funding status** *(funded or pending)* |  |
| **Period of support:** *(mm/dd/yyyy - mm/dd/yyyy)* |  |
| **Total first year or current 12-month budget:** *(direct costs)* | **$** |
| **Total project cost:** *(including indirect costs)* | **$** |

**Brief description of project:** (*project abstract can be inserted here)*

**Relevance of the project to P50 center mission and IDD research:**

**Core Units to be Accessed:** *(check the Core(s) and each component you will be using on following page)*

(Do not remove this box/for office use only)

# **Core Units to be Accessed**

Each Research Project must utilize at least two cores of the IDDRC, which may include the administrative Core and/or the Clinical Translational Core. SEE CORE DESCRIPTIONS ON OUR WEBSITE. **Check the Core(s) and each component that you will be using:**

|  |  |
| --- | --- |
| [ ]  **Administrative Core (A)** | [ ]  **Clinical/Translational Core (E)** |
| [ ] Seminars; facilitation of collaboration | [ ] Human iPSC derived neuron differentiation [ ] Statistical support[ ] Recruitment registry/biorepository [ ] Regulatory/protocol assistance/clinical trial planning[ ] High content screening/assay development[ ] Biomarkers (EEG/MRI)[ ] Human behavioral assessment |
| [ ]  **Genetic Analysis and Editing Core (B)** |
| 1. **Genetic Analysis**

[ ]  In-house Sanger sequencing [ ]  SNP Genotyping[ ]  Microsatellite Genotyping [ ]  Chromosomal microarray analysis[ ]  Whole genome mapping of large-scale rearrangements[ ]  In-house NGS-based WES[ ]  NGS send out[ ]  Microarray-based gene expression[ ]  Whole tissue RNAseq[ ]  Single cell RNAseq[ ]  Bioinformatics support  | 1. **Gene Editing**

[ ]  Gene editing CRISPR/Cas9[ ]  Embryo Microinjections/Mouse Surgery  [ ]  ES Cell Culture Reagents         [ ]  Cryopreservation mouse embryos and sperm[ ]  Mouse embryo rederivation |
| [ ]  **Cellular Imaging Core (C)** | [ ]  **Animal Behavior and Physiology Core (D)** |
| [ ]  Super-resolution/STED microscopy [ ]  Tissue clearing/CLARITY[ ]  Confocal microscopy  [ ]  Widefield microscopy [ ]  2 photon microscopy (in vitro and awake behaving) [ ]  Image Analysis | [ ]  Environmental Control & Manipulation [ ]  Plethysmography/ECG [ ]  Learning & Memory/Emotion/Communication[ ]  EEG/ERG/Microdialysis/Multifiber Photometry[ ]  Pain[ ]  Motor/Vision/Auditory Measures Surgery/Dosing/Tissue or Blood Collection |

[IDDRC – BOSTON CHILDREN’S HOSPITAL](https://iddrc.org/)