|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Table 4: Proposal Timeline  **Specific Aim** | **Year 1** | **Year 2** | **Year 3** | **Year 4** | **Year 5** |
| **Aim 1: Microarray measurement of gene expression. Real time PCR of candidates CEBP** | XXXXX | XXXXX | XXXXX | XXXXX |  |
| Data pre-processing evaluation of batch effects | XXXXX | XXXXX | XXXXX |  |  |
| Correlation with exercise capacity & SPPB subscales in exploratory dataset | XXXXX | XXXXX |  |  |  |
| Validation of findings in 2nd dataset | XXXXX | XXXXX |  |  |  |
| **Aim 2: Predictive modeling of a positive response to physical training at 1 year.** |  | XXXXX | XXXXX | XXXXX |  |
| Logistic modeling with LASSO & Random Forests |  | XXXXX | XXXXX | XXXXX |  |
| **Aim 3: Longitudinal analysis of gene expression** |  |  | XXXXX | XXXXX | XXXXX |
| Transcriptomic profiles associated with LIFE intervention over time |  |  | XXXXX | XXXXX | XXXXX |
| Validation of findings in 2nd data set |  |  | XXXXX | XXXXX | XXXXX |
| **DISSEMINATION of Dataset and Documentation**  Preparation of manuscripts & Documentation of gene expression data to GEO for public access | XXXXX | XXXXX | XXXXX | XXXXX | XXXXX |