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|  |  | Reg. No. 200604393R |

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| **Research Theme: Cell Biology; Cellular Biochemistry** |
| **PhD Research Project Title: Genetic modifiers of Parkinson’s disease** |
| **Principal Investigator/Supervisor: Asst/ Prof. Choe Young-Jun** |
| **Co-supervisor/ Collaborator(s) (if any):** |
| **Project Description**   1. **Background:**   Parkinson’s disease is the second most prevalent neurodegenerative disease. Parkinson’s disease is mostly sporadic and unfortunately, we do not know how the disease arises.   1. **Proposed work:**   Parkinson’s disease is associated with the aggregation of a protein, alpha-synuclein. This project will  seek to identify genes and cellular pathways that affect the aggregation of alpha-synuclein.   1. **Preferred skills:**   The candidate must have detailed knowledge of cell biology and biochemistry. Prior lab experience of  confocal microscopy, yeast/human cell biology will be an advantage. |
| **Supervisor contact:**  **If you have questions regarding this project, please email the Principal Investigator:**  [yjchoe@ntu.edu.sg](mailto:yjchoe@ntu.edu.sg) |
| **SBS contact and how to apply:**  Associate Chair-Biological Sciences (Graduate Studies) : [AC-SBS-GS@ntu.edu.sg](mailto:AC-SBS-GS@ntu.edu.sg) |
| Please apply at the following:  **Application portal:**  <https://venus.wis.ntu.edu.sg/GOAL/OnlineApplicationModule/frmOnlineApplication.ASPX> |
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60 Nanyang Drive, Singapore 637551