**Template for Lab Website (Ryten Lab)**

SECTION A

Personal details:

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| I | Title: | MSc |
| II | Position: | PhD Student |
| III | Surname: | Reynolds |
| III | Firstname: | Regina H. |
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SECTION B

Contact details:

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| II | Email: | Regina.reynolds.16@ucl.ac.uk |
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SECTION C

Research Interests:

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| Ageing; Data Analysis of High-throughput Techniques; Genetics; Huntington’s disease; Metabolism; MicroRNA Profiling; Molecular Biology; Neurodegeneration; Neurophysiology; Statistical Modelling; Transcriptomics. |

SECTION D

Biography:

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| Regina is a PhD student in the Leonard Wolfson Programme at UCL. After a year of rotations, she joined the Ryten lab in 2017 where her research will involve integrating in-house RNA-sequencing, publicly available -omics data, and novel methods of analysis to understand the effect of genetic variation and cell environment on the brain transcriptome and neurodegenerative disease. Regina completed her Bachelor’s and Master’s degree in Molecular Biomedicine at the University of Copenhagen. During this time, she accumulated 2 years of wet lab experience, interrogating the interactions between miR-34a, Sirt1 and p53 in a Huntington’s disease mouse model. As a student making the transition from molecular biology to bioinformatics, Regina is a strong supporter of interdisciplinary collaboration and research; she believes access to different approaches is crucial to unravelling the complexities of the brain in health and disease. |

SECTION F

List of publications:

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| [In review] **Reynolds, RH**, Botía, JA, Nalls, MA, International Parkinson’s Disease Genomic Consortium (IPDGC), System Genomics of Parkinson’s Disease (SGPD), Hardy, J, Gagliano, SA, Ryten, M (2018) ‘Moving beyond neurons: the role of cell type-specific gene regulation in Parkinson’s disease heritability’, *Nature Communications*  [In review] Guelfi, S, D'Sa, K, Botía, JA, Vandrovcova, J, **Reynolds, RH**, Zhang, D, Trabzuni, D, Collado-Torres, L, Thomason, A, Leyton, PQ, Gagliano, SA, Nalls, MA, UKBEC, Small, KS, Smith, C, Ramasamy, A, Hardy, J, Weale, ME, Ryten, M (2018) ‘Regulatory sites for known and novel splicing in human basal ganglia are enriched for disease-relevant information’, *Nature Communications*  Jabbari, E, John, W, Tan, MMX, Maryam, S, Pittman, A, Ferrari, R, Mok, KY, Zhang, D, **Reynolds, RH**, de Silva, R, Grimm, MJ, Respondek, G, Muller, U, Al-Sarraj, S, Gentleman, SM, Lees, AJ, Warner, TT, Hardy, J, Revesz, T, Hoglinger, GU, Holton, JL, Ryten, M and Morris, HR (2018) ‘Variation at the TRIM11 locus modifies Progressive Supranuclear Palsy phenotype’, *Annals of neurology*. p. 333195. doi: 10.1002/ana.25308.  Botía, JA, Guelfi, S, Zhang, D, D'Sa, K, **Reynolds, RH**, Onah, D, McDonagh, EM, Rueda-Martin, A, Tucci, A, Rendon, A, Houlden, H, Hardy, J and Ryten, M (2018) ‘G2P: Using machine learning to understand and predict genes causing rare neurological disorders’, *bioRxiv*. Available at: <http://biorxiv.org/content/early/2018/03/27/288845.abstract>  **Reynolds, RH**, Petersen, MH, Willert, CW, Heinrich, M, Nymann, N, Dall, M, Treebak, JT, Björkqvist, M, Silahtaroglu, A, Hasholt, L and Nørremølle, A (2017) ‘Perturbations in the p53/miR-34a/SIRT1 pathway in the R6/2 Huntington’s disease model’, *Molecular and Cellular Neuroscience*. Elsevier, 88(December 2017), pp. 118–129. doi: 10.1016/j.mcn.2017.12.009 |

SECTION G

photograph:

Please attach/send me your photograph via email.