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

SECTION A

Personal details:

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| I | Title: | MSc |
| II | Position: | PhD Student |
| III | Surname: | Zhang |
| III | Firstname: | David |
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SECTION B

Contact details:

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| II | Email: | david.zhang.12@ucl.ac.uk |

SECTION C

Research Interests:

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| Transcriptomics; Genetics; Bioinformatics; Novel transcription; Molecular diagnosis; Neurodegeneration; Mendelian Disease; Machine Learning; Statistical Modelling |

SECTION D

Biography:

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| David chose genetics because it allowed him to combine his practical enjoyment of computational analysis with his interest in human biology. His PhD is focussed on developing algorithms to improve the molecular diagnosis of Mendelian disease patients. |

SECTION F

List of publications:

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| [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, 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> |

SECTION G

photograph:

Please attach/send me your photograph via email.