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

SECTION A

Personal details:

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| --- | --- | --- |
| I | Title: | MSc (for now) |
| II | Position: | Postdoctoral Research Fellow |
| III | Surname: | Sethi |
| III | Firstname: | Siddharth |
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SECTION B

Contact details:

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| II | Email: | Siddharth.sethi@astx.com |
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SECTION C

Research Interests:

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| Transcriptomics; UTRs; MicroRNAs; Enhancers; Regulatory domains; Chromatin interactions; 3D genome; Big data analysis; Machine learning; Statistical modelling; Data visualisation. |

SECTION D

Biography:

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| Siddharth is a joint Postdoctoral Research Fellow between Ryten lab and Astex Pharmaceuticals in Cambridge. His research focuses on alternate 3’UTR mediated regulation in neurodegenerative disorders. Siddharth completed his graduation in Bio-technology in India and moved to the UK to pursue MSc in Bioinformatics from the University of Leicester. Soon after that he joined Mallon lab at MRC Harwell Institute as a Bioinformatics scientist, where he worked on several different projects before starting his PhD. He developed a deep interest in the functional properties of the non-coding part of the genome and focused his PhD research on deciphering regulatory networks and their impact on mouse phenotypes. |

SECTION F

List of publications:

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| **Sethi S**, Vorontsov I, Kulakovskiy I, Makeev V, Greenway S, Williams J, Brown SDM, Simon MM, Mallon AM. Deciphering the impact of enhancer architecture on gene function and mouse phenotypes. Under review in **Nature Communications**.    Gorvin CM, Ahmad BN, Stechman MJ, Loh NY, Hough TA, Leo P, Marshall M, **Sethi S**, et al. 2018. An N-Ethyl-N-Nitrosourea (ENU)-Induced Tyr265Stop Mutation of the DNA Polymerase Accessory Subunit Gamma 2 (Polg2) Is Associated With Renal Calcification in Mice. **J Bone Miner Res**  Small KS, Todorcevic M, Civelek M, Moustafa J, Wang X, Simon MM, [and 30 others including **Sethi S**]. Regulatory variants at KLF14 influence type 2 diabetes risk via a 2 female-specific effect on adipocyte size and body composition, 2018, **Nature Genetics** 50(4): 572-580.  Potter PK, Bowl MR, Jeyarajan P, Wisby L, Blease A, Goldsworthy ME, [and 47 others including **Sethi S**]. Novel gene function revealed by mouse mutagenesis screens for models of age-related disease. **Nature communications**. 2016;7:12444  Balzani E, Lassi G, Maggi S, **Sethi S**, Parsons MJ, Simon M, Nolan PM, Tucci V. The Zfhx3-Mediated Axis Regulates Sleep and Interval Timing in Mice. **Cell reports**. 2016;16(3):615-21  Parsons Michael J, Brancaccio M, **Sethi S**, Maywood Elizabeth S, Satija R, Edwards Jessica K, et al. The Regulatory Factor ZFHX3 Modifies Circadian Function in SCN via an AT Motif-Driven Axis. **Cell**. 2015;162(3):607-21  Goggolidou P, Soneji S, Powles-Glover N, Williams D, **Sethi S**, Baban D, Simon MM, Ragoussis I, Norris DP. A chronological expression profile of gene activity during embryonic mouse brain development. **Mammalian Genome**. 2013;24(11):459-72. |

SECTION G

photograph:

Please attach/send me your photograph via email.