List of articles to be used in week8: Literature Seminars

Angela Relógio:

Achim Kramer's group: [1], [2], [3], [4]

Fridolin Gross: [5], [6], [7], [8]

Grigory Bordyugov: [9]

Hanspeter Herzel: [10], [11], [12], [13]

Christian Beck: [14]

Matthias Selbach: [15]

Nils Bluethgen's group: [16], [17], [18], [19]

Pål Westermark's group: [20], [21], [22], [23], [24], [25]

Uwe Ohler: [26]

Christoph Schmal: [27]

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1. Koike N, Yoo SH, Huang HC, Kumar V, Lee C, et al. (2012) Transcriptional architecture and chromatin landscape of the core circadian clock in mammals. Science 338: 349-354.

2. Levi F, Schibler U (2007) Circadian rhythms: mechanisms and therapeutic implications. Annu Rev Pharmacol Toxicol 47: 593-628.

3. Archer SN, Laing EE, Moller-Levet CS, van der Veen DR, Bucca G, et al. (2014) Mistimed sleep disrupts circadian regulation of the human transcriptome. Proc Natl Acad Sci U S A 111: E682-691.

4. Wallach T, Schellenberg K, Maier B, Kalathur RK, Porras P, et al. (2013) Dynamic circadian protein-protein interaction networks predict temporal organization of cellular functions. PLoS Genet 9: e1003398.

5. He E, Kapuy O, Oliveira RA, Uhlmann F, Tyson JJ, et al. (2011) System-level feedbacks make the anaphase switch irreversible. Proc Natl Acad Sci U S A 108: 10016-10021.

6. Meng G, Mosig A, Vingron M (2010) A computational evaluation of over-representation of regulatory motifs in the promoter regions of differentially expressed genes. BMC Bioinformatics 11: 267.

7. Yu X, Rollins D, Ruhn KA, Stubblefield JJ, Green CB, et al. (2013) TH17 cell differentiation is regulated by the circadian clock. Science 342: 727-730.

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10. Valen E, Sandelin A (2011) Genomic and chromatin signals underlying transcription start-site selection. Trends Genet 27: 475-485.

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13. Harima Y, Takashima Y, Ueda Y, Ohtsuka T, Kageyama R (2013) Accelerating the tempo of the segmentation clock by reducing the number of introns in the Hes7 gene. Cell Rep 3: 1-7.

14. Xu Y, Ma P, Shah P, Rokas A, Liu Y, et al. (2013) Non-optimal codon usage is a mechanism to achieve circadian clock conditionality. Nature 495: 116-120.

15. Schwanhausser B, Busse D, Li N, Dittmar G, Schuchhardt J, et al. (2011) Global quantification of mammalian gene expression control. Nature 473: 337-342.

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17. Trunnell NB, Poon AC, Kim SY, Ferrell JE, Jr. (2011) Ultrasensitivity in the Regulation of Cdc25C by Cdk1. Mol Cell 41: 263-274.

18. Leder K, Pitter K, Laplant Q, Hambardzumyan D, Ross BD, et al. (2014) Mathematical modeling of PDGF-driven glioblastoma reveals optimized radiation dosing schedules. Cell 156: 603-616.

19. Klinger B, Sieber A, Fritsche-Guenther R, Witzel F, Berry L, et al. (2013) Network quantification of EGFR signaling unveils potential for targeted combination therapy. Mol Syst Biol 9: 673.

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25. Mauvoisin D, Wang J, Jouffe C, Martin E, Atger F, et al. (2014) Circadian clock-dependent and -independent rhythmic proteomes implement distinct diurnal functions in mouse liver. Proc Natl Acad Sci U S A 111: 167-172.

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