

Full List of Publications (Reverse Chronological Order)

*=Corresponding author

1. Agarwal P, Collier P, Fritz H-YM, Benes V, Wiklund HJ, Westermark B, Singh U*: **CGGBP1 mitigates cytosine methylation at repetitive DNA sequences.** *BMC Genomics* In press.
2. Agarwal P, Enroth S, Teichmann M, Wiklund HJ, Smit A, Westermark B, Singh U*: **Growth signals employ CGGBP1 to suppress transcription of Alu-SINEs.** *Cell Cycle* 2014;0.
3. Singh U*, Maturi V, Jones RE, Paulsson Y, Baird DM, Westermark B: **CGGBP1 phosphorylation constitutes a telomere-protection signal.** *Cell Cycle* 2014, **13**:96–105.
4. Singh U*, Maturi V, Westermark B: **Evidence for multiple forms and modifications of human POT1.** *DNA Repair* 2013, **12**:876–877.
5. Põlajeva J, Swartling FJ, Jiang Y, Singh U, Pietras K, Uhrbom L, Westermark B, Roswall P: **miRNA-21 is developmentally regulated in mouse brain and is co-expressed with SOX2 in glioma.** *BMC Cancer* 2012, **12**:378.
6. Singh U*, Westermark B: **CGGBP1 is a nuclear and midbody protein regulating abscission.** *Exp Cell Res* 2011, **317**:143–150.
7. Singh U*, Roswall P, Uhrbom L, Westermark B: **CGGBP1 regulates cell cycle in cancer cells.** *BMC Mol Biol* 2011, **12**:28.
8. Singh U*, Bongcam-Rudloff E, Westermark B: **A DNA sequence directed mutual transcription regulation of HSF1 and NFIX involves novel heat sensitive protein interactions.** *PloS One* 2009, **4**:e5050.
9. Singh U, Rizvi F, Yu Y, Shi W, Orth A, Karimi M, Ekström TJ, Plagge A, Kelsey G, Fundele R: **Characterization of a novel obesity phenotype caused by interspecific hybridization.** *Arch Physiol Biochem* 2008, **114**:301–330.
10. Tian G, Singh U, Yu Y, Ellsworth BS, Hemberger M, Geyer R, Stewart MD, Behringer RR, Fundele R: **Expression and function of the LIM homeobox containing genes Lhx3 and Lhx4 in the mouse placenta.** *Dev Dyn* 2008, **237**:1517–1525.
11. Yu Y, Singh U, Shi W, Konno T, Soares MJ, Geyer R, Fundele R: **Influence of murine maternal diabetes on placental morphology, gene expression, and function.** *Arch Physiol Biochem* 2008, **114**:99–110.
12. Singh U, Sun T, Looman C, Heuchel R, Elliott R, Freichel M, Meissner M, Flockerzi V, Fundele R: **Expression and function of the gene encoding the voltage-dependent calcium channel beta3-subunit in the mouse placenta.** *Placenta* 2007, **28**:412–420.
13. Singh U, Yu Y, Kalinina E, Konno T, Sun T, Ohta H, Wakayama T, Soares MJ, Hemberger M, Fundele RH: **Carboxypeptidase E in the mouse placenta.** *Differ* 2006, **74**:648–660.
14. Zhao Z, Tavoosidana G, Sjölander M, Göndör A, Mariano P, Wang S, Kanduri C, Lezcano M, Sandhu KS, Singh U, Pant V, Tiwari V, Kurukuti S, Ohlsson R: **Circular chromosome**

conformation capture (4C) uncovers extensive networks of epigenetically regulated intra- and interchromosomal interactions. *Nat Genet* 2006, **38**:1341–1347.

15. Singh U, Sun T, Larsson T, Elliott RW, Kostka G, Fundele RH: **Expression and functional analysis of fibulin-1 (Fbln1) during normal and abnormal placental development of the mouse.** *Placenta* 2006, **27**:1014–1021.

16. Singh U, Sun T, Shi W, Schulz R, Nuber UA, Varanou A, Hemberger MC, Elliott RW, Ohta H, Wakayama T, Fundele R: **Expression and functional analysis of genes deregulated in mouse placental overgrowth models: Car2 and Ncam1.** *Dev Dyn* 2005, **234**:1034–1045.

17. Singh U, Fohn LE, Wakayama T, Ohgane J, Steinhoff C, Lipkowitz B, Schulz R, Orth A, Ropers HH, Behringer RR, Tanaka S, Shiota K, Yanagimachi R, Nuber UA, Fundele R: **Different molecular mechanisms underlie placental overgrowth phenotypes caused by interspecies hybridization, cloning, and Esx1 mutation.** *Dev Dyn* 2004, **230**:149–164.