

Dr Martin Simmen
Selected publications

2011

Vastermark A, Sallman Almen M, Simmen MW, Robert Fredriksson R, Schioth HB (2011) Functional specialization in nucleotide sugar transporters occurred through differentiation of the gene cluster EamA (DUF6) before the radiation of Viridiplantae. *BMC Evolutionary Biology*, 11: 123.

2009

Fraser RM, Keszenman-Pereyra D, Simmen MW, Allan J (2009) High-resolution mapping of sequence-directed nucleosome positioning on genomic DNA, *Journal of Molecular Biology* 390: 292-305.
<http://dx.doi.org/10.1016/j.jmb.2009.04.079>

2008

Simmen MW (2008) Genome-scale relationships between cytosine methylation and dinucleotide abundances in animals. *Genomics* 92: 33-40
(<http://dx.doi.org/10.1016/j.ygeno.2008.03.009>)

2006

Fraser RM, Allan J, Simmen MW (2006) In silico approaches reveal the potential for DNA sequence-dependent histone octamer affinity to influence chromatin structure in vivo. *Journal of Molecular Biology* 364: 582-598

Gencheva M, Boa S, Fraser R, Simmen MW, Whitelaw CBA, Allan J (2006) In vitro and in vivo nucleosome positioning on the ovine beta-lactoglobulin gene are related. *Journal of Molecular Biology* 361: 216-230

2003

Davey C, Fraser R, Smolle M, Simmen MW, Allan J (2003) Nucleosome positioning signals in the DNA sequence of the Human and Mouse H19 imprinting control regions. *Journal of Molecular Biology* 325: 873-887

Hunter A, Kaufman MH, McKay A, Baldock R, Simmen MW, Bard JBL (2003) An ontology of human developmental anatomy. *Journal of Anatomy* 203: 347-355

2000

Cross SH, Clark VH, Simmen MW, Bickmore WA, Maroon H, Langford CF, Carter NP, Bird AP (2000) CpG island libraries from human chromosomes 18 and 22: landmarks for novel genes. *Mamm Genome* 11: 373-383

Simmen MW, Bird A (2000) Sequence analysis of transposable elements in the Sea Squirt, *Ciona intestinalis*. *Molecular Biology and Evolution* 17: 1685-1694

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Simmen MW, Leitgeb S, Charlton J, Jones SJM, Harris BR, Clark VH, Bird A (1999) Nonmethylated transposable elements and methylated genes in a chordate genome. *Science* 283: 1164-1167