

Subscribing organizations are encouraged to copy and distribute this table of contents for non-commercial purposes

## Biochemical Society Annual Symposium No. 80

### Epigenetic Mechanisms in Development and Disease

University of Leeds, U.K., 11–13 December 2012

Edited by Paul Hurd (Queen Mary, University of London, U.K.), Adele Murrell (Cancer Research UK) and Ian Wood (Leeds, U.K.).

Epigenetic Mechanisms in Development and Disease <b>Adele Murrell, Paul J. Hurd and Ian C. Wood</b>	697–699
Epigenetic regulation of placental endocrine lineages and complications of pregnancy <b>Rosalind M. John</b>	701–709
The impact of culture on epigenetic properties of pluripotent stem cells and pre-implantation embryos <b>Kirsten R. McEwen, Harry G. Leitch, Rachel Amouroux and Petra Hajkova</b>	711–719
Dosage-sensitivity of imprinted genes expressed in the brain: 15q11–q13 and neuropsychiatric illness <b>Gráinne I. McNamara and Anthony R. Isles</b>	721–726
ZF-CxxC domain-containing proteins, CpG islands, and the chromatin connection <b>Hannah K. Long, Neil P. Blackledge and Robert J. Klose</b>	727–740
The physiological roles of histone deacetylase (HDAC) 1 and 2: complex co-stars with multiple leading parts <b>Richard D.W. Kelly and Shaun M. Cowley</b>	741–749
Cross-talk among epigenetic modifications: lessons from histone arginine methylation <b>Diego Molina-Serrano, Vassia Schiza and Antonis Kirmizis</b>	751–759
Resolving the functions of peptidylprolyl isomerases: insights from the mutagenesis of the nuclear FKBP25 enzyme <b>Geoff Gudavicius, Hedy Soufari, Santosh Upadhyay, Cameron D. Mackereth and Christopher J. Nelson</b>	761–768
Transgenerational inheritance of non-genetically determined phenotypes <b>Michelle L. Holland and Vardhman K. Rakyan</b>	769–776
CHD4 in the DNA-damage response and cell cycle progression: not so NuRDy now <b>Aoife O’Shaughnessy and Brian Hendrich</b>	777–782
<b>Selected oral communications</b>	
The role of histone deacetylases in rheumatoid arthritis fibroblast-like synoviocytes <b>Sarah Hawtree, Munitta Muthana and Anthony G. Wilson</b>	783–788

Epigenetics in the heart: the role of histone modifications in cardiac remodelling <b>Asmita Tingare, Bernard Thienpont and H. Llewelyn Roderick</b>	<b>789–796</b>
Could lncRNAs contribute to $\beta$ -cell identity and its loss in Type 2 diabetes? <b>Timothy J. Pullen and Guy A. Rutter</b>	<b>797–801</b>
Do age-related changes in DNA methylation play a role in the development of age-related diseases? <b>Sanne D. van Otterdijk, John C. Mathers and Gordon Strathdee</b>	<b>803–807</b>
Epigenetic reprogramming: preparing the epigenome for the next generation <b>Catherine M. Rose, Sander van den Driesche, Richard R. Meehan and Amanda J. Drake</b>	<b>809–814</b>