

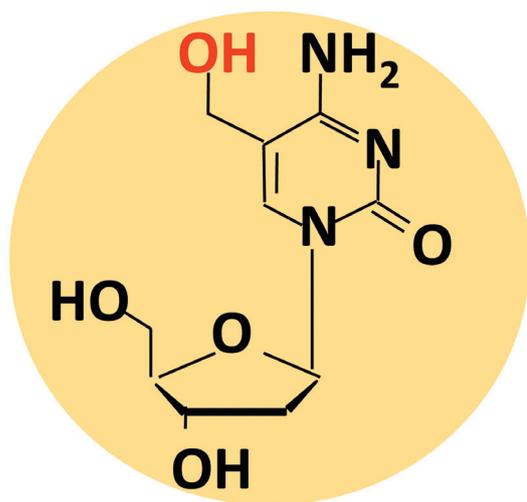


**Hot Topic Event**  
Shaping the future of Bioscience



**Biochemical Society**  
Advancing Molecular Bioscience

# The New Epigenetic Mark – 5-Hydroxymethylcytosine: What is its Function?



## 5-hydroxymethylcytosine

### Scientific background

This Hot Topic Event will address the recent advances in 5-hydroxymethylcytosine (5-hmC) research including the function of 5-hmC in self renewal and cell lineage specification in embryonic stem cells, its tissue-specific distribution in differentiated cells and its role in tumourigenesis, and the influence of citrate metabolism in regulating 5-hmC levels.

### Topics

Functions of 5-hmC | Readers and writers of 5-hmC |  
DNA methylation and metabolism | Chemistry of modified DNA bases

### Fees

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### Biochemical Society Hot Topic Events

The Biochemical Society's Hot Topic Events provide a forum for the discussion and presentation of new research. The science is emerging and exciting and aims to shape the future of bioscience.

**Cancer Research UK  
Cambridge Institute, UK  
13 June 2013**

**Abstract submission deadline:  
13 May 2013**

**Earlybird registration deadline:  
13 May 2013**

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### Organizers

**Adele Murrell** |  
University of Cambridge, UK

**Ian Wood** |  
University of Leeds, UK

**Paul Hurd** |  
Queen Mary, University of London, UK

### Speakers

**Francois Fuks** |  
Free University of Brussels, Belgium

**Petra Hajkova** |  
Imperial College London, UK

**Richard Meehan** |  
University of Edinburgh, UK

**Shankar Balasubramanian** |  
University of Cambridge, UK

**Wolf Reik** |  
Babraham Institute, UK