



**PRAAGUE 2010**  
THE SOCIETY FOR  
EXPERIMENTAL BIOLOGY  
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[www.sebiology.org](http://www.sebiology.org)

## Chromosome Organization and Cytogenomics 2<sup>nd</sup> and 3<sup>rd</sup> July 2010

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***One and a half day Session in the Cell Section  
at the SEB Main Annual Meeting, Clarion Congress Hotel, Prague***

We will bring together established and new researchers in the area of chromosome organization and cytogenomics who will discuss the exciting biology which exploits the availability of DNA sequence data and new microscope, cytometry and labelling technologies. Chromosomes, consisting of the DNA packaged into chromatin with the histone proteins, are the critical unit within the nucleus, defining the structural organization which relates to DNA condensation, expression, replication and segregation. They play a key role in maintaining the stability of the genome, in recombination and inheritance, and in genetic diseases, and chromosomal changes are a feature of evolution in many groups of plants and animals. The session will be divided to cover:

- 1) Chromosome evolution and specialized chromosomes
- 2) Heterochromatin and epigenetic chromosome organization at metaphase and interphase
- 3) Structure and evolution of repetitive DNA sequences (including telomeres and centromeres)

### ***Invited Speakers include:***

**Thomas Cremer**, Ludwig Maximilian University, Munich

**Jennifer Marshall Graves**, The Australian National University, Canberra

**Paul Franz**, University of Amsterdam

**Andrew Leitch**, Queen Mary University of London,

**Andreas Houben**, Leibniz Institute of Plant Genetics, Gatersleben

**Jiri Macas**, Biology Centre ASCR, Ceske Budejovice

**Mirislav Plohl**, Ruder Boskovic Institute, Zagreb,

**Boris Vyskot**, Czech Academy of Sciences, Brno,

**Raquel Chaves**, Institute for Biotechnology and Bioengineering, UTAD, Portugal

**For more information see: <http://www.sebiology.org/meetings/Prague/Prague.html>  
Abstract submission for oral or poster presentations is NOW OPEN!**

Whilst the registration fees for **Students and Early Career Scientists** are already heavily subsidized, SEB members can also apply for SEB Student travel Grants and COB Grants.