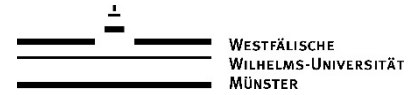


MULTIPLE

DNA

CODES



A Workshop on Sequence Biology

Münster
28-29 September 2015

In the 1980s, Edward Trifonov started a life-long campaign in favor of the idea that genetic sequences carry several messages simultaneously, and not just the message of the classic triplet code. He concluded that there are many overlapping codes in the genome and gave them the collective name of sequence codes. According to Trifonov the term "DNA code" means a pattern in a genomic DNA sequence instructive for one or another specific molecular (multimolecular) interaction or process. In the workshop several well-established codes and new discoveries will be discussed that force us to reconsider their universality or even correctness.

Monday, 28 September

- 16.00 **Alexander Bolshoy** (Institute of Evolution, Haifa University, IL)
Introduction to "Sequence Biology" – Studies on DNA codes
- 17.15 **Edward Trifonov** (Institute of Evolution, Haifa University, IL)
Chromatin code today

Tuesday, 29 September

- 9.00 **Olga Ozoline** (Institute of Cell Biophysics, Russian Academy of Sciences, RU)
*Code of transcription initiation in *E. coli**
- 10.30 **Philipp Bucher** (Swiss Institute for Experimental Cancer Research, EPFL, CH)
The role of DNA sequence motifs and positioned nucleosomes in eukaryotic transcription start site selection
- 11.30 **Alexander Bolshoy** (Institute of Evolution, Haifa University, IL)
Codes of initiation of translation

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