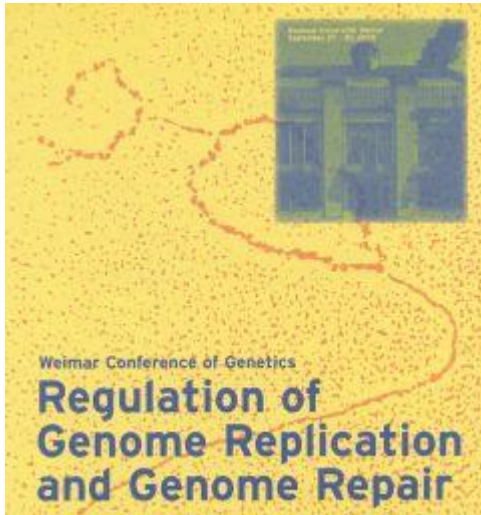




Weimar Conference of Genetics

Weimar Conference of Genetics 2000



Die jährliche Genetik Konferenz fand im Jahr 2000 vom 27. bis 30. September in Weimar statt. Das Thema der Konferenz lautete:
The annual genetic conference was held in Weimar from Wednesday, September 27 to Saturday 30, 2000.

"Regulation of Genome Replication and Genome Repair"

Regulation of Genome Replication and Genome Repair

It has long been a mystery how nuclear genomes are primed for replication, how the initiation of replication is coordinated within the cell cycle, and how it is guaranteed that already replicated sections of the genome are not replicated again during the same cell cycle. However, considerable progress has been made in recent years leading to the identification of major factors involved in replication initiation. The aim of the conference will be to take stock of recent advances in the field and to outline future directions of research.

A most exciting area of investigations is known as check point control. Damages of the genome and other disturbances disrupt the progression of genome replication allowing time for repair. This creates intricate networks of control that researchers learn to understand in ever increasing detail.

Researchers studying eukaryotic cells can profit immensely from those involved with related problems in bacteria where mechanisms of replication and of check point control are much simpler in certain aspects.

While the conference will focus on cellular systems, scientists studying viral systems continue to contribute significantly to the field of DNA replication and are invited to present their results in poster form.

The organizers invite all scientists interested in the genetics of cell cycle regulation, DNA replication, DNA repair, and related topics to come to Weimar and to participate in what promises to be an exciting conference.