



**FASEB**

Federation of American Societies  
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Science  
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## The Transcription, Chromatin, and Epigenetics Conference

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### Organizer Bio: Giacomo Cavalli, PhD

*Lab Head and Director of Research, Centre National de Recherche Scientifique (CNRS), Institut de Génétique Humaine, Montpellier, France*

Giacomo Cavalli has a long-standing interest in epigenetic regulation and chromatin organization. Using the fruit fly *Drosophila melanogaster*, he discovered that epigenetic inheritance of new phenotypes can occur independently on changes of the DNA sequence. Cavalli's lab also discovered that the three-dimensional organization of chromosomes in the cell nucleus is a heritable trait that plays an important gene regulatory role, and they identified 3D structural chromosomal domains dubbed Topologically Associating Domains or TADs. Finally, his lab has shown that Polycomb group (PcG) proteins have tumor suppression activity in flies.

Dr. Cavalli obtained his MS from the University of Parma, Italy, and his PhD from ETH Zurich. He trained at the European Molecular Biology Laboratory (EMBL) in Heidelberg for his post-doctoral work.

Cavalli has published more than 110 papers, many of which in top journals and cited over 13,000 times. He has received numerous awards and distinctions, including an EMBO membership, the CNRS silver medal, the Allianz Foundation prize and two advanced European Research Council grants (2008 and 2017). He is an appointed member of several distinguished Institute and journal editorial boards.