



Milan, 13<sup>th</sup> December 2024, at 15:00

Aula 200

Università degli Studi di Milano

Via Celoria 20, 20133 Milano

13<sup>th</sup> Giovanni Magni Lecture

**Professor Susan M. Gasser**

*Director, Fondation ISREC  
and University of Lausanne Switzerland*

**“Making sense of nuclear actin and base-excision repair: keeping genomes intact”**

***Brief Summary of Susan M. Gasser Scientific Career***

Susan M. Gasser was the Director of the Friedrich Miescher Institute (FMI) for Biomedical Research, in Basel, Switzerland (2001-2019). There she led her research group leader until 2021. Then, she became the Director of the ISREC Foundation, in Lausanne. She held professorships at the University of Geneva, the University of Basel and now at the University of Lausanne. She was elected to the US Academy of Sciences, l'Académie de France, EMBO, the German Academy of Science and the Swiss Academy of Medical Sciences. Among other awards she received the INSERM International Prize, the FEBS | EMBO Women in Science Award, the Weizmann Institute Women in Science award, and honorary doctorates from Universities of Lausanne, Fribourg, Geneva and the Charles University of Prague.

Susan Gasser is a molecular biologist whose research combined genetics, in vivo imaging and multi-omic analyses to probe the role of chromatin and nuclear organization in cell fate decisions and genome stability. Susan Gasser's research contributed to understanding repair in the context of chromatin, including the response to double strand breaks and stalled replication forks. In the context of epigenetic inheritance, she showed both in yeast and in worms that nuclear organization of silent domains (heterochromatin plays a role in the stability of repression).

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