

BIG seminar

Biology and integrative genetics

**Monday,
February 7
17h**

**Auditorium Bâtiment Biophore
Unil-Sorge at Dorigny**

Bernard de Massy

**Institut de Génétique Humaine
Montpellier**



“A key to the genetic map: The PRDM9 Zinc finger array specifies meiotic recombination hotspots in humans and mice.”

One major question in the field of genetics, meiosis and genome evolution is to understand the distribution of meiotic recombination events, which are essential for chromosome segregation and which contribute to genome diversity. We have recently discovered that PRDM9, a protein that has a histone methyl-transferase activity and a zinc finger DNA binding domain plays a major role in specifying the sites of meiotic recombination in humans and mice. Our current knowledge about this unexpected and fascinating control, and its implications will be presented.

BIG is an initiative of the Faculty of Biology and Medicine, University of Lausanne, and is organized by Uta Paszkowski, Laurent Keller, Henrik Kaessmann and Jan Roelof van der Meer.

Info: www3.unil.ch/fbmens/reve/evenement_bigseminar_public.php contact: uta.paszkowski@unil.ch, janroelof.vandermeer@unil.ch