FASEB
Federation of American Societies for Experimental Biology

Science Research Conferences

The Mechanisms of Plant Development Conference

Organizer Bio: Teva Vernoux, PhD

CNRS Research Director in Plant Biology, Ecole Normale Superieure de Lyon, France

With his team, Teva Vernoux is particularly interested in the role of hormonal signals in the self-organization of development systems. He uses the shoot apical meristem – the tissue that builds plant stems and their geometric organization – to understand, at different scales, how biological systems acquire self-construction properties. His research also builds on the development of innovative tools, including a sensor for visualization *in vivo* of one of the most important plant hormones, auxin, in plants. His research is based on a network of international collaboration with prominent researchers in the field of plants.

Vernoux studied at École normale supérieure in Paris. In 2002, he supported a thesis at Université Paris 11, *cell differentiation in the shoot apex of Arabidopsis thaliana: The role of polarized transport of auxin*, a study conducted at the INRA in Versailles under the supervision of Jan Traas. An expert in plant development biology, Dr. Vernoux conducts original multidisciplinary projects combining biological experiments on living tissues and modeling.