

Symposium topics

The symposium of the center for plant sciences intends to bring researchers from plant science areas together for an exchange of ideas and results. This year, the main topic of the symposium will be the root system, with oral presentation of experts about morphological and functional characterization of roots, their interaction with the environment and their role in agriculture. With a poster session the research groups, belonging to the center for plant sciences, will present their research data and cover a wide spectrum of plant research topics, from molecular biology to ecology, from crop science to systematic.

Invited speakers

Ben Scheres, University of Utrecht, NL
Jocelyn Malamy, University of Chicago, USA
Christoph Ringli, University Zurich, CH
David Atkinson, Scottish Agricultural College, GB
Jonathan Lynch, Penn State University, USA
Thomas Boller, University Basel, CH
Terry P. McGonigle, Idaho State University, USA
Richard A. Sikora, University of Bonn, DE

Organizing committee

Prof. Ueli Grossniklaus, Institute of plant biology, University Zürich
Prof. Bruce McDonald, Institute of plant sciences, ETH Zürich
Prof. Peter Stamp, Institute of plant sciences, ETH Zürich

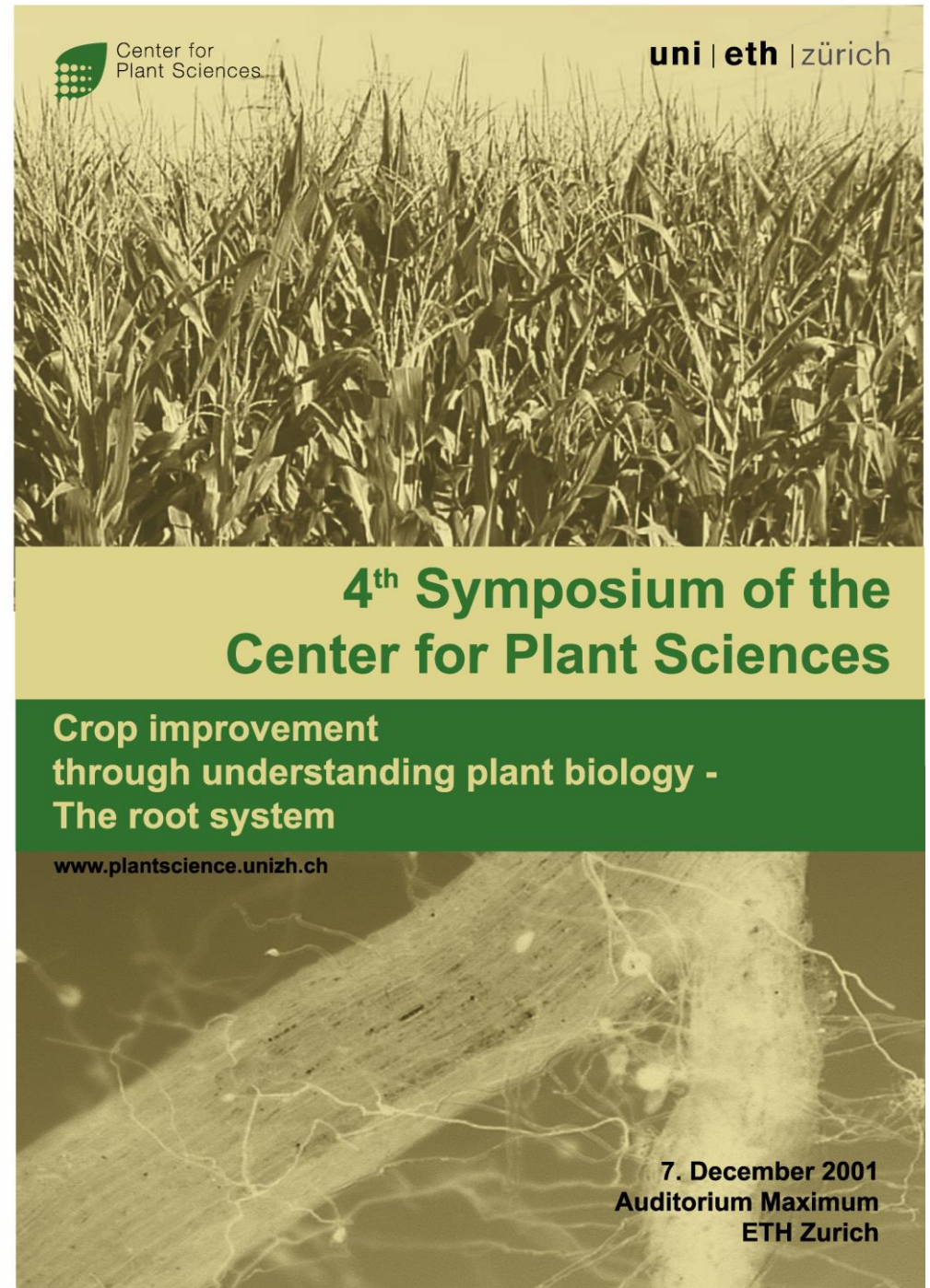
Coordination

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Location

Main Hall of ETH Hauptgebäude
Rämistrasse 101
8092 Zürich

Free of charge



Center for
Plant Sciences

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**4th Symposium of the
Center for Plant Sciences**

**Crop improvement
through understanding plant biology -
The root system**

www.plantscience.unizh.ch

**7. December 2001
Auditorium Maximum
ETH Zurich**

Program

09.30-10.00	Coffee and Poster session		Jonathan Lynch (Penn State University) Topic: root architecture and phosphorous acquisition efficiency
10.00-10.10	Introduction		
10.00-11.40	Session I: Biological/genetic basis of root morphology and function (Chairman: Ueli Grossniklaus, University Zurich)		Peter Stamp (ETH Zurich) Topic: environmental and genetic influences on root growth
	Ben Scheres (University of Utrecht, NL) Topic: cell division and cell fate in <i>Arabidopsis</i> roots	14.30-15.00	Coffee and Poster session
	Jocelyn Malamy (University of Chicago, USA) Topic: environmental signals regulate root system development	15.00-16.30	Session III: Role of root in growth in (agricultural) ecosystems (Chairman: Bruce McDonald, ETH Zurich)
	Christoph Ringli (University Zurich, CH) Topic: root hairs as a model system to study cell expansion		Thomas Boller (University Basel) Topic: Mycorrhiza: 400 million years on earth - and 20 years in Basel
11.40-13.00	Lunch and Poster session		Terry P. McGonigle (Idaho State University) Topic: Effects of mycorrhizae on crop growth and phosphorus nutrition
13.00-14.30	Session II: Importance of the root system for crop growth (Chairman: Peter Stamp, ETH Zurich)		Richard A. Sikora (University of Bonn) Topic: Interactions between plant parasitic nematodes and root pathogens with microbial biocontrol agents – „inside-out“ and „outside-in“ strategies to enhance root health
	David Atkinson (Scottish Agricultural College) Topic: how to measure roots; the importance of specific root traits	16.30-18.00	Apéro and Poster session