



patterns in nature and plant science

PSC SYMPOSIUM 2021

8 December 2021, ETH Zürich AudiMax & online

Universität Zürich
ETH Zürich
Universität Basel
Plant Science Center

BRUNO STUDER

Welcome and opening by PSC chair, ETH Zurich, CH

09:15

MARKUS G. STETTER

Crop Evolution and Adaptation, Institute for Plant Sciences, University of Cologne, DE

Molecular patterns of repeated grain amaranth domestication

09:30

NICO VON WIRÉN

Molecular Plant Nutrition, Leibniz Institut für Pflanzengenetik und Kulturpflanzenforschung, Gatersleben, DE

Nitrogen nutrition as determinant of lateral root patterning

10:00

CLAUDE BECKER

Genetics, Biocenter, Ludwig-Maximilian University Munich, DE

Emergence and propagation of epigenetic patterns during somaclonal reproduction

10:30

SIOBHAN A. BRAYBROOK

Molecular Cell and Developmental Biology, UCLA, USA

Underlying expectations: exploring cell-to-organ growth patterns

11:30

EDWIGE MOYROUD

Flower Development, The Sainsbury Laboratory, University of Cambridge, UK

One-size-fits-all? Evo-Eco-Devo of petal patterning in Hibiscus flowers

12:00

ZORAN NIKOLOSKI

University of Potsdam & Max Planck Institute of Molecular Plant Physiology Potsdam, DE

Network-based approaches identify and quantify patterns in plant leaf epidermis

12:30

MAX RIETKERK

Copernicus Institute of Sustainable Development, Utrecht University, NL

Patterns in nature and pathways of resilience

14:30

LOÏC PELLISSIER

Landscape Ecology, Institute of Terrestrial Ecosystems, ETH Zurich, CH

Towards measuring and understanding global phytodiversity

15:00

CAROLINE E. FARRIOR

Integrative Biology, University of Texas at Austin USA

The search for governing mechanisms of forest size structure across latitudes

15:30

Flash Talks and Poster Awards

RACHAEL GARRETT

Environmental Policy, Institute of Environmental Decisions, ETH Zurich, CH

Telecouplings in agri-food systems and their implications for sustainable development

17:15

