

PlantMetals Seminar Series

Every 3rd Thursday of the Month @ 10am CET

Zoom Meeting

<https://cesnet.zoom.us/j/95583584094?pwd=Y3NSNzJDd1FETDIBRm5tV2VzQWxnZz09>

Meeting ID: 955 8358 4094

Passcode: CA19116WG2

Upcoming Seminars

- June 18, 2026** **Prof. Fangjie Zhao**, College of Resources and Environmental Sciences, Nanjing Agricultural University, Nanjing, China
How do rice roots respond to heterogenous metal and salinity stress
Moderation: Sébastien Thomine
Status: confirmed
- Sept 17, 2026** **María Teresa Cieschi**, Université Paris-Saclay, CEA, CNRS, Institute for Integrative Biology of the Cell (I2BC), theme: Metabolic changes in poplar roots and root exudates under iron deficiency.
Moderation:
Status: confirmed
- Oct. 15, 2026** **Dr. Kevin Robe**, University of Geneva, theme: 'Radial transport of metals and uptake in Marchantia'
Moderation:
Status: confirmed
- Nov. 19, 2026** **Dr. Antony van der Ent**, Laboratory of Genetics, Wageningen University & Research, theme: synchrotron elemental imaging and elementomics
Moderation:
Status: confirmed
- Dec. 17, 2026** **Assoc. Prof Dr Eva Oburger**, BOKU Vienna, theme: "Plant-soil-microbe interactions and the role of root and rhizosphere traits in enhancing soil health and crop production - a trace metal focus"
Moderation:
Status: confirmed

Jan. 21, 2027

Prof. Jian Feng Ma, Okayama University , title: TBA

Moderation:

Status: confirmed

Feb 18, 2027

TBA, Affiliation, title: xyz

Moderation:

Status: confirmed

Past Seminars

- May 21, 2026** **Dr. Géraldine Sarret**, CNRS ISTERre, Université Grenoble-Alpes, Grenoble, France
«Cadmium pathways in cacao trees, and implications for mitigation strategies»
Moderation: Matthias Wiggerhauser
Status: confirmed
- Apr. 16, 2026** **Prof. Kuo-Chen Yeh**, Agricultural Biotechnology Research Center Academia Sinica, Taipei, Taiwan
«Roots actively control metal homeostasis through chemical secretion and structural plasticity»
Moderation: Marc Hanikenne
Status: confirmed
- Mar. 19, 2026** **Prof. Marie Barberon**, University of Geneva, Switzerland
«Mechanisms of nutrient transport across root cell layers»
Moderation: Matthias
Status: confirmed
- Feb. 19, 2026** **Dr. Christian Dubos**, INRAE Research Director, IPSiM, Montpellier, France
«Deciphering the role and the secretion mechanisms of key players involved in plant iron nutrition, the “iron-mobilizing coumarins”»
Moderation: Marc
Status: confirmed
- Jan. 15, 2026** **Prof. Edgar Peiter**, Institute of Agricultural and Nutritional Sciences, Martin Luther University Halle-Wittenberg, Germany
«Manganese handling in plants: Advances in the mechanistic and functional understanding of transport pathways»
Moderation: Matthias
Status: confirmed
- Dec. 18, 2025** **Dr. Astrid Allevan**
Researcher - CNRS - Géosciences Environnement Toulouse, France
«Foliar uptake of trace elements: probing mechanisms at the

nanoscale»

Moderation: Marc Hanikenne

Status: confirmed

- Nov. 20, 2025 Dr. Steven Fanara**
Plant Science Research Laboratory (LRSV), University of Toulouse,
France <https://orcid.org/0000-0002-1390-2404>
Characterization of putative new regulators of the metal transporter IRT1
in *Arabidopsis thaliana*
Moderation: Matthias
Status: confirmed
- Oct. 16, 2025 Prof. Marie Muehe**
Helmholtz Centre for Environmental Research – UFZ, Leipzig,
Germany
«Climate impacts on metals in agroecosystems»
Moderation: Marc Hanikenne
Status: confirmed
- May 19, 2025 Prof. Stephan Clemens**
Department of Plant Physiology, University of Bayreuth, Germany
«Thioarsenates – an emerging food safety threat»
- Apr. 14, 2025 Prof. Marc Hanikenne**
University of Liège, Belgium
«Specific redox and iron homeostasis responses in the root tip of
Arabidopsis upon zinc excess»
- Mar. 17, 2025 Dr. Diego Baragaño Coto**
Spanish National Research Council (CSIC), Oviedo, Spain
«Tracking nanoscale zero-valent iron for the remediation of
metal(loid)s-polluted soils: insights from the soil-plant system»
- Feb. 17, 2025 Prof. Marie-Theres Hauser**
Inst. Of Molecular Plant Biology, BOKU University, Vienna, Austria
«Regulation of nickel induced growth responses by the cell wall
integrity receptor kinase THESEUS1 in *Arabidopsis thaliana*»
- Jan. 20, 2025 Prof. Ádám Solti**
Dept of Plant Physiology and Molecular Plant Biology,
Eötvös Loránd University, Budapest, Hungary
«Metal release from chloroplasts: The contribution of
autodegradation pathways to the intracellular transition metal
recycling»
- Dec. 16, 2024 Prof. Janneke Balk**
Department of Biochemistry and Metabolism, John Innes Centre,

Norwich, UK

«Regulation of iron homeostasis by BTS/L ubiquitin E3 ligases»

Nov. 18, 2024 Dr. Filis Morina

Institute of Plant Mol. Biology, BCAS/JCU, České Budějovice, Czech Republic

«Metal metabolism in plant-galler interactions»

Oct. 21, 2024 Prof. Hendrik Küpper

Institute of Plant Mol. Biology, BCAS/JCU, České Budějovice, Czech Republic

«Disturbed electron transport beyond PSI changes metabolome and transcriptome in Zn-deficient soybean»

Sep. 16, 2024 no seminar (COST Meeting in Ljubljana/Slovenia)

Aug. 19, 2024 Prof. Sébastien Thomine

Cell Biology Department, CNRS, Paris, France

«Duplication of NRAMP3 gene in poplar generated two highly homologous transporters with distinct functions»

July 15, 2024 Alexandra Lešková

Institute for Plant Sciences of Montpellier (IPSiM), France

«Role of NRAMP2 transporter in seed manganese partitioning»

June 17, 2024 Dr. Matthias Wiggerhauser

Plant Nutrition, ETH Zurich, Switzerland

«Isotope Fingerprints to Investigate the Role of Thiols to Separate Zn from Cd in Plants»

Nov 16, 2023 Prof. Luigi Sanità di Toppi

Department of Biology, Università di Pisa, Italy

«Old and new roles of the “multi-tasking” enzyme phytochelatin synthase in land plants»

Oct 05, 2023 Dr. Alejandro Marquez Espinoza

Department of Chemistry, University of Zurich, Switzerland

«Plant metallothioneins and their novel protein-binding partners»
