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Harro Bouwmeester graduated from Wageningen University, the Netherlands in 1990 and worked there as post-doc and scientist in several research institutes and from 2008 as Chair of Plant Physiology at Wageningen University. Since 1 October 2016 he is Chair of Plant Hormone Biology at the Swammerdam Institute for Life Sciences (SILS) of the University of Amsterdam, the Netherlands. The work in his group is centered around signalling molecules and their role in the communication of plants with other organisms, such as parasitic plants, insects, nematodes and micro-organisms. In this work different expertises are integrated, such as analytical chemistry, plant physiology, biochemistry and molecular biology. Topics that are studied are the discovery of new signaling relations using omics data, the importance of structural diversity in the signaling molecules for biological specificity - for which elucidation of biosynthesis and perception mechanisms are important – and the discovery of unknown roles of signaling molecules. The research in the Bouwmeester lab has resulted in many publications in international peer-reviewed journals and an international network, a.o. in the field of terpenoid biosynthesis and strigolactones. At the end of 2005, he was awarded the prestigious Vici-grant for his work on underground chemical communication of plants with parasitic plants and arbuscular mycorrhizal fungi and in 2015 an ERC Advanced grant for work on the evolution of chemical communication in the rhizosphere of plants. More information on: <http://sils.uva.nl/phb>.