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Resolving plant transformation recalcitrance by Agrobacterium-mediated protein translocation

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Curriculum vitae

Ivo Gariboldi was born on December 3th 1990 in Leiden, the Netherlands. Here education started at the basisschool 'De Tweemaster' and later moved on to the Stedelijk Gymnasium Leiden, with a profile in biology and natural science oriented 'natuur en gezondheid'. Again, he decided to pursue education in Leiden and obtained his BSc and MSc degrees in Biology with the specialization Plant Sciences and Natural Products in 2016. During his Bachelor studies, he followed a minor at the University of Bangor, United Kingdom and back in Leiden concluded an internship looking into the role of recently identified transcription factors in alkaloid biosynthesis in *Catharanthus roseus* at the Plant Cell Physiology group under the supervision of Prof. Dr. Johan Memelink at the Institute of Biology Leiden (IBL). Later on, in his Master studies during an internship he investigated the design of an optimized generic split-GFP-based reporter system to establish *Agrobacterium* mediated protein translocation in *wild-type* plants at the IBL under supervision of Prof. Dr. Remko Offringa. He was briefly at Wageningen University where he studied ecological aspects of bio-interactions and physiology and development of plants in horticulture. After this he subsequently moved to Sweden to investigate the auxin conjugating enzyme GH3.5 in its role in restricting fruit growth in *Arabidopsis thaliana* under supervision of Dr. Emma Larsson in the Plant Biology research group of Prof. Dr. Eva Sundberg at the Swedish University of Agricultural Sciences in Uppsala. In 2017, he returned to the group of Prof. Dr. Remko Offringa at the IBL and started his PhD project, partially financed by BASF SE and co-supervised by Dr. Maarten Stuiver, with the central theme to adopt *Agrobacterium* mediated protein translocation for modulation of plant development and resolve recalcitrance to *Agrobacterium*-mediated transformation. In 2022, he started at the Netherlands Organisation for Scientific Research (NWO) as program secretary in the department of NWA/KIC/NGF in The Hague and since 2024 works at Plantum in Gouda, a Dutch trade organization for companies in the breeding, propagation and cultivation of seeds and young plants, where he focusses as policy specialist on biodiversity and genetic resources. Currently he lives in Oegstgeest with his sons Gianluca 'Luca' (* Leiden, 2022), Matteo (* Leiden, 2025) and his partner Marissa Cherelle Vacher.