Novel roles for phospholipase C in plant stress signalling and development

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The journey of my PhD is coming to the end. Looking back, there have been excitement but also frustration. Treasures, in the end. There are people who play important role along this road and I want to say: “thank you!”

Teun and Michel, as my daily supervisor and promoter, you are definitely big roles to make my PhD dream come true. Teun, I always appreciate the opportunity you offered to me for joining your lab and your supportive attitude for scientific challenges I encountered. The way you see the beauty of science inspires me. The way you train people makes me grow from a naive student to a young scientist. You devoted yourself to thesis writing correction and made it very readable, which deserves a noble literature prize. Michel, your constructive ideas are always valuable and your guide through my PhD path directly accelerates the whole process. Your encouragement makes me feel confident. I appreciate these all. Also Christa, Rob and Petra, thanks for all the constructive suggestions and you together create a wonderful scientific environment here.

Ringo, most of my lab techniques are learned from you. And you always try the best to save me from lab disaster. Well, not only me, you help everyone, whenever we have a guest, its your show time. As to our never-stop coming guests, I did share special memories with them, Wojciech, Kelly, Necla and of course Michael -- our VIP, thank you very much for providing me information of labs doing applied research. Our lab is expending with the joining of Max, a brilliant boy who continues PLC work and I believe you will make the project shining. And Pamela, a very very nice girl, it was fun to have you around in my last bit of PhD. I've been sitting in the office for more than four years, seeing people left and come. All office mates, thanks for the interesting office chatting and sharing - jokes, food... It's that you make this office vividly! All lab mates from UVA plants groups, thanks for your encouragement words when I showed my experiment-failed face and your generous attitude when I messed the lab. I find half of the greenhouse staffs (Ludek, Harold, Thijs and Fernando) are artists! Would it be my destination? Seriously, thanks for taking care of my plants. Lunchtime is one of the most beautiful moments during a working day. Fariza, thanks for your company for these years, although you left me, the precious memory will be forever and hope you get your PhD sooner. The lunch group was then rebuilt by a bunch of Chinese ladies, Lingxue, Pulv, Xiaotang, Yanxia, Yanting and Yutao, thanks you for sharing food and gossips.
I won’t survive in the lab without you Xavi, my Catalan brother with wild beard but gentle eyes who is suspected by dutch police as drug dealer or terrorist on street sometimes. No matter what do you look like, your care for people, your romantic attitude to life make you a charming man. No wonder, Carlos is so fond of you and this Chilean moustache dude, as smart as fox, funny as Charlie Chaplin, brought lots of joy to my PhD life. And Marc, a gentleman-looking French dude, thoughtful, French humour always, sitting on my left hand, typing with music, having visitors all the time, because you know statistic analysis. Having you guys around is my huge luck. Your friendship does value a lot for me and I definitely will miss the old crazy time!

As a Chinese, traveling far away to Netherlands, homesick is non-avoiding. Here, special thanks are given to two JJ ladies. Jie, shy but funny, has endless interesting stories to tell when you’re in good mood. TV show is not amusing anymore when you are around. Jiesen, playing lots of roles, lunch mate, office mate, and lab mate but most important a friend, is a very rare species who never gossips as a girl. Thanks for both of your company when I felt alone, thanks for your listening when I complain, thanks for your help when I was in trouble. Thanks for your true friendship. I would also like to thank another two wonderful ladies Yang and Xue. Although we met occasionally, I really enjoyed the time we had. Your words always inspire me and open my mind. I hope our friendships will extend out of Netherlands.

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我的挚爱彦邦，遇君，幸也。于我，你既是伴侣，亦是良师益友。生活上，你呵护备至；工作上，你排忧解难。感谢，一路上有你。
List of publications


A role for Arabidopsis phospholipase C3 (*PLC3*) in seed germination, lateral root formation and stomatal closure. (In preparation)


Functional characterization of *PLC5* in Arabidopsis thaliana - knock-down affects lateral root initiation while overexpression stunts root hair growth and enhances drought tolerance. (In preparation)


Role for Arabidopsis *PLC7* in stomatal closure, mucilage adherence, and leaf serration. (In preparation)