

## Curriculum Vitae – Sjon Hartman

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### Personalialia

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### Education

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- Jan 2020 – **PhD** (*Cum laude*), Utrecht University, The Netherlands.  
Dissertation title: ‘The early flooding signal ethylene acclimates plants to survive low-oxygen stress’.  
Promoter: Prof. dr. L.A.C.J. Voeselek
- July 2015 – **MSc** Environmental Biology (*Cum laude*, GPA 4.0), Utrecht University, The Netherlands.  
Specialization: Research & Plant Biology.
- July 2013 – **BSc** Biology, Utrecht University, The Netherlands.

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### Research Positions and Scientific Experience

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- Since May 2023: Principal Investigator in the International Max Planck Research School for Immunobiology, Epigenetics, and Metabolism ([IMPRS-IEM](#))
- Since April 2022: Principal Investigator in the Spemann Graduate School of Biology and Medicine ([SGBM](#))
- Since Sep 2022: Science Communication Ambassador and Board Member of the International Society of Plant Low-Oxygen Research ([ISPLORE](#)).
- Since Jan 2022: Group leader / Junior Tenure Track Professor of Plant Environmental Signalling and Development at [CIBSS](#) and the [University of Freiburg](#), Germany.
- Since Jan 2022: Participant of *The EMBO Journal*'s [Catalyst](#) programme.
- Since Feb 2021: Board Member of the [RoxyCOST](#) ECR “thinktank” programme aiming to train Early Career Researchers affiliated with fruit ripening and ethylene / hypoxia signaling.
- Dec 2020 – Dec 2021: Postdoctoral (Rubicon) Fellow at the [Gibbs Lab](#), University of Birmingham, UK.
- Jan 2020 – Dec 2021: Assistant Features Editor of the scientific journal *Plant Physiology*.
- Jan 2020 – Nov 2020: Postdoctoral Researcher at Plant Ecophysiology, Utrecht University, NL.
- Sept 2015 – Aug 2019: Doctoral Researcher at Plant Ecophysiology, Utrecht University, NL.

- Sept 2014 – Mar 2015: MSc internship at the Holdsworth Lab of School of Biosciences, University of Nottingham, UK.
- Sept 2013 – July 2014: MSc internship at Plant Ecophysiology, Utrecht University, NL.
- Apr 2013 – July 2013: BSc internships at Plant Ecophysiology and Plant Microbe interactions, Utrecht University, NL.

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### **Grants and Scholarships**

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- July 2022: Awarded a CIBSS research grant (DFG-funded excellence cluster) of **81.000 euro** to employ a PhD Student
- Oct 2020: Awarded a **Niels Stensen Fellowship** of **65.084 euro** for a 1-year post doc. This fellowship was not compatible with the Rubicon Grant below and therefore declined.
- Sept 2020: Awarded a prestigious **Rubicon Grant** funded by NWO (Dutch Research Council) to gain postdoctoral research experience abroad and develop a research vision. The personal grant funds **182.168 euro** for a 2 year postdoc in the Gibbs Lab at the University of Birmingham, UK.
- Aug 2015: Awarded the '**EPS Talent Programme Grant**'; a personal scholarship funded by NWO (Dutch Research Council) and the Graduate School for Experimental Plant Sciences (EPS). The personal grant funds **250.000 euro** for a 4 year PhD research project (Grant Number: 831.15.001)
- Sept 2014 - Mar 2015: Erasmus+ Scholarship for abroad research traineeship.

In addition to personal funding, I have also supported a manyfold of international Fellowship applications and am currently hosting a DAAD doctoral and TETFund postdoctoral fellow in the lab.

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### **Prizes and Awards**

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- 2021: **Hugo de Vries** award (5.000 euro) for best Dutch Plant Science PhD Thesis of 2020, awarded by the Royal Dutch Botanical Society and Experimental Plant Sciences.
- 2019: **First prize** for best poster presentation at the European Plant Science Retreat conference, 8-10 July, Nottingham, UK.
- 2017: **First prize** for best poster presentation awarded by EMBO at the "N-term 2017: Proteostasis via the N-terminus" conference, 11-13 September, Halle, Germany.
- 2017: Named one of **most promising young entrepreneurs** of the Netherlands in a special edition of Het Financieel Dagblad (Dutch Financial Times) for promoting and communicating plant science to the general public with the aim to meet global sustainability goals.
- 2016: **First prize** for best poster presentation at the 12th International Society of Plant Anaerobiosis (ISPA) Conference, 5-8 September, Elsinore, Denmark.

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## Teaching Experience

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**Lecturer, lab training and examiner in several BSc and MSc Biology courses at the Faculty of Biology, University of Freiburg, from 2022 onwards:**

- BSc VM-15 Cell Biology | Summer Semester (2023-)
- MSc OM-06 Moderne Konzepte der Pflanzenwissenschaften | Winter Semester
- MSc SP1-06 Moderne Konzepte der Pflanzenwissenschaften II | Summer Semester (2023-)
- MSc SP2-11 Pflanzenwissenschaften/Plant Science | Winter Semester
- M. Ed. Ökologische Perspektiven einer nachhaltigen Entwicklung | Summer Semester
- BSc and MSc Thesis supervisor

### Teaching activity outside of Freiburg

I taught and supervised in several plant biology and academic skills courses for the academic years 2015-2020 at Utrecht University, NL:

- Guest lectures MSc Plant Biology course (2020-2023) at Radboud University, NL.
- Guest lectures for BSc Biology 3<sup>rd</sup> year course "Plants, Adaptation and Defence" (2016-2018) at Utrecht University.
- Main supervisor of a total of 2 HBO (5 months), 2 BSc (3 months) and 6 MSc (6-10 months) student internship research projects (2015-2020).
- Tutor/Mentor for ~25 1<sup>st</sup> year BSc Biology students (2019-2020): personal coach and teacher of general academic skills.
- Teaching assistant of practicals and tutorials for BSc Biology 1<sup>st</sup> year course "Biology and Ecology of Plants" (2015-2020, 2 years full time, 3 years part-time stand in).
- Supervision of several BSc Biology 3-week project student groups for the BSc Biology 3<sup>rd</sup> year course "Plants, Adaptation and Defence" (2016 & 2017)

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## Science Outreach and Communication

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I love and have been heavily involved in science communication and outreach, mostly in my personal time and always *pro bono*. I thoroughly enjoy this and believe it is crucial to share the importance of (fundamental) plant science for sustainable global food security with the public. This is illustrated by a [selection](#) of the following:

Since 2015

- Pint of Science Freiburg 2022.
- I have participated in over 15 [ScienceBattles](#), a Dutch theatre show in which PhD students 'battle' by pitching their research. By the end of the show the audience selects [the most interesting or convincing talk](#).
- National Dutch mainstream news and radio appearances: [NOS](#), [Het Parool](#), [BNR News Radio](#) (2x), [NPO Radio 1](#) (2x) and [Omroep West](#).
- Presentation and pitch at annual Dutch Science, Communication and Press meeting [Bessensap 2016: 'Hoe overstroomde planten hun adem inhouden'](#)
- Participant of [Vraag-Maar-Raak-Show at De Klokhuisvragendag \(2016-2018\)](#) in Science Museum Nemo, Amsterdam. A Dutch television event for children, in which scientists answer questions of children living in the Netherlands.
- Several interviews and contributions to [Inside Climate News](#), [University News](#), [Botanical Gardens](#), [Fascination for Plants day](#), [Vice/Motherboard](#), [Spotify](#), [DUB](#) and [Bionieuws](#).
- I frequently use social media (Twitter/X, Bluesky and LinkedIn) to share (what I think are) exciting plant science stories with fellow researchers and the public. I am also the manager of the Freiburg Faculty of Biology, ISPLORE, and RoxyCOST Twitter/X accounts.

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## Conferences (+ poster/oral presentation contributions)

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### International

- 2023: Polish Society of Experimental Plant Biology Conference, Poznań, Poland (invited Keynote speaker)
- 2023: EPI-Catch Conference, Sofia, Bulgaria (invited Keynote speaker)
- 2023: RoxyCost Annual Meeting, Antalya, Turkey (Invited speaker and ECR session organizer)
- 2022: RoxyCost Annual Meeting, Belgrade, Serbia (Invited speaker and ECR session organizer)
- 2022: International Society of Plant Anaerobiosis [Conference](#), Bamberg, Germany (Conference organizer, selected speaker, social media manager)
- 2021: RoxyCost Annual Meeting, Chania, Crete, Greece (Invited speaker and ECR session organizer)
- 2020: Plant Biology 2020 Worldwide Summit, a digital conference by ASBP (Selected speaker).
- 2019: 1st International Society of Protein Termini conference - Seoul, South Korea (Invited speaker + poster)
- 2019: International Society of Plant Anaerobiosis Conference, Taipei, Taiwan (Invited talk, social media manager)
- 2019: European Plant Science Retreat, Nottingham, UK (Best poster prize)
- 2017: N-term, Proteostasis via the N-terminus Conference, Halle, Germany (Best poster prize)
- 2016: International Society of Plant Anaerobiosis Conference, Elsinore, Denmark (Best poster prize)

### National (Context: Netherlands until 2020, Germany from 2022 onwards)

- 2023: DOMPS Symposium, Faculty of Biology, Freiburg, Germany (2x invited talk)
- 2023: CIBSS Symposium, Merzhausen, Germany (Organizer and selected talk)
- 2023: "Molecular Biology of Plants" conference in Hennef, Germany (1x poster)
- 2022: Botanik Tagung, Bonn, Germany (1x selected talk)
- 2022: CIBSS Retreat, Freiburg, Germany (1x invited talk)
- 2015 – 2020: Science for Life Conference, Jaarbeurs Utrecht (3x poster, 2x invited talk)
- 2014 – 2019: ALW meeting: Experimental Plant Sciences, Lunteren (5x poster, 1x talk)
- 2016 – 2019: Institute of Environmental Biology Symposium, Bunnik / Utrecht (1x poster, 1x talk)
- 2018: European Plant Science Retreat, Utrecht, 2018 (1x poster, 1x selected talk)
- 2016 – 2018: Exp. Plant Science PhD Get2Gether, Soest (1x selected talk)
- 2016 & 2017: Exp. Plant Science Theme 3 day: Metabolism and Adaptation, Amsterdam (1x invited talk)
- 2015 & 2017: Exp. Plant Science Summer School: Environmental Signaling in Plants, Utrecht (1x selected talk)
- 2015 & 2016: Utrecht Plant Science & Industry Symposium, Utrecht (1x invited talk)
- 2015: 15th International *New Phytologist* workshop on Flooding Biology, Ravenstein (co-organizer)

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## Lectures, Workshops & Seminars

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### **International**

- 2023: *Remember the Rain: Unravelling How Plants Encode Flooding Memory*, Polish Society of Experimental Plant Biology Conference, Poznań, Poland (Keynote)
- 2023: *Plantae Presents: Building Your Professional Scientific Network*, *Plantae* webinar series (invited, online)
- 2023: *Remember the Rain: Unravelling How Plants Encode Flooding Memory*, 3<sup>rd</sup> EPI-CATCH Conference, Sofia, Bulgaria (Keynote).
- 2023: *Remember the Rain: Unravelling How Plants Encode Flooding Memory*, 3<sup>rd</sup> RoxyCOST Annual Meeting, Antalya, Turkey (Invited).
- 2022: *Science Communication and Outreach*, The EMBO Journal Catalysts workshop (invited, online).
- 2022: *Remember the Rain: Unravelling Signaling Cascades that Confer Flooding Stress Tolerance and Epigenetic Memory in Plants*, Hosted by Prof. Oscar Lorenzo of Universidad Salamanca, Salamanca, Spain (invited).

- 2022: *Remember the Rain: Unravelling Signaling Cascades that Confer Flooding Stress Tolerance and Epigenetic Memory in Plants*, 2<sup>nd</sup> RoxyCOST Annual Meeting, Belgrade, Serbia (Invited).
- 2022: *Remember the Rain: Unravelling Signaling Cascades that Confer Flooding Stress Tolerance and Epigenetic Memory in Plants*, International Society of Plant Anaerobiosis Conference, Bamberg, Germany (Selected).
- 2022: *Remember the Rain: Unravelling Signaling Cascades that Confer Flooding Stress Tolerance and Epigenetic Memory in Plants*, Hosted by Prof. Julien Pirrello of INP-ENSAT, Toulouse, France (invited).
- 2022: *The Early Flooding Signal Ethylene Acclimates Plants To Survive Low-Oxygen Stress*. Hosted by Ege University, Turkey (Invited Lecture for Fascination of Plants Day, Online)
- 2021: *The Early Flooding Signal Ethylene Acclimates Plants To Survive Low-Oxygen Stress*. Hosted by Dr. Ivo Rieu of Radboud University Nijmegen (Invited Guest Lecture for MSc Plant Science Course)
- 2021: *A Tale of Three Gases: Ethylene, O<sub>2</sub> and NO coordinate Flooding Stress Responses*, hosted by Prof. Malcolm Bennett of University of Nottingham, UK (Invited Seminar).
- 2021: *The Early Flooding Signal Ethylene Acclimates Plants To Survive Low-Oxygen Stress*, hosted by Dr. Chiara Pucciariello, PlantLab, Scuola Superiore Sant'Anna (Invited Seminar).
- 2021: *Ethylene inhibits proteolysis of oxygen-sensing ERF-VII transcription factors and improves hypoxia tolerance*. [Plantae Presents, webinar by ASPB](#) (Invited).
- 2020: *NO Problem: Ethylene-mediated NO depletion acclimates plants to survive hypoxia stress* Plant Biology 2020 Worldwide Summit, a digital conference by ASPB (Selected).
- 2020: *The Early Flooding Signal Ethylene Acclimates Plants To Survive Low-Oxygen Stress*, hosted by Prof. Malcolm Bennett of University of Nottingham, UK (Invited Seminar).
- 2020: *The Early Flooding Signal Ethylene Acclimates Plants To Survive Low-Oxygen Stress*, hosted by Prof. Daniel Gibbs of University of Birmingham, UK (Invited Seminar).
- 2019: *Gas signalling pre-adapts plants to hypoxia stress*. 1st International Society of Protein Termini conference - Seoul, South Korea (Invited)
- 2019: *Gas signalling pre-adapts plants to hypoxia stress*. International Society of Plant Anaerobiosis Conference, Taipei, Taiwan (Invited)
- 2017: *NO problem: ethylene-induced regulation of nitric oxide confers flooding tolerance in plants*. Flash Talk at N-term, Proteostasis via the N-terminus Conference, Halle, Germany. (Selected)

### **National (at time of employment)**

- 2023: *Science Communication and Outreach*, CIBSS Coffee meeting workshop series, Freiburg, Germany (Invited)
- 2023: *Waterproofing Crops by understanding Plant-Environment Signalling*, CIBSS Wissenswerte, Freiburg, Germany (Invited)
- 2023: *Remember the Rain: Unravelling How Plants Encode Flooding Memory*, hosted by Prof. Andreas Meyer of Bonn University, Bonn, Germany (Invited Seminar).
- 2023: *Remember the Rain: Unravelling How Plants Encode Flooding Memory*, CIBSS Symposium, Merzhausen, Germany
- 2022: *Remember the Rain: Unravelling Epigenetic Memory of Flooding Stress in Plants*, Botanik Tagung Plant Science Conference, Bonn, DE
- 2022: *Going from Plant-Environment Signalling to designing climate-proof crops*, CIBSS Retreat, University of Freiburg, DE (Invited)
- 2022: *Remember the Rain: Unravelling Epigenetic Memory of Flooding Stress in Plants*, Hilde-Mangold Haus opening event, University of Freiburg, DE
- 2022: *Remember the Rain: Unravelling Epigenetic Memory of Flooding Stress in Plants*, CIBSS Seminar Series, University of Freiburg, DE

- 2022: *Remember the Rain: Unravelling Epigenetic Memory of Flooding Stress in Plants*, DOMPS Seminar Series, University of Freiburg, DE
- 2021: *VRN2 confers flooding stress memory*. Internal Biosciences seminar, University of Birmingham, UK
- 2020: *The Early Flooding Signal Ethylene Acclimates Plants To Survive Low-Oxygen Stress*. Science for Life Conference, Jaarbeurs Utrecht (Invited)
- 2020: *The Early Flooding Signal Ethylene Acclimates Plants To Survive Low-Oxygen Stress*. Hosted by Dr. Ivo Rieu of Radboud University Nijmegen (Invited Guest Lecture for MSc Plant Science Course)
- 2019: *The Early Flooding Signal Ethylene Acclimates Plants To Survive Low-Oxygen Stress*. ALW meeting: Experimental Plant Sciences, Lunteren.
- 2019: *Waterproofing crops: Fundamental Plant Science & Agriculture*. Descartes Alumni Lecture Series of Utrecht University (Invited)
- 2018: *NO problem: ethylene-induced regulation of nitric oxide confers flooding tolerance in plants*. European Plant Science Retreat, Utrecht, 2018 (Selected)
- 2018: *NO problem: ethylene-induced regulation of nitric oxide confers flooding tolerance in plants*. Institute of Environmental Biology Symposium, Bunnik (Selected)
- 2018: *Waterproofing crops: Fundamental Plant Science & Agriculture*. Hosted by Plantum, Higher Education Biology Teachers Training Day (Invited)
- 2018: *The N-degron pathway: How gas sensing helps plants to read and respond to their environment*. Hosted by Prof. Ronald Pierik, guest lecture for 3<sup>rd</sup> year BSc Biology course Plants, Adaptation and Defence of Utrecht University
- 2017: *Ethylene-induced hypoxia tolerance: a novel mechanism for flooding survival in plants*. Experimental Plant Science Summer School: Environmental Signaling in Plants, Utrecht (Selected)
- 2017: *The N-end rule pathway: How gas sensing helps plants to read and respond to their environment*. Hosted by Prof. Ronald Pierik, guest lecture for 3<sup>rd</sup> year BSc Biology course Plants, Adaptation and Defence of Utrecht University
- 2016: *Waterproofing crops: unravelling the molecular mechanisms that confer flooding tolerance in plants*. Hosted by TKI Uitgangsmaterialen, a Dutch Horticulture meeting with biotech and breeding companies. Nieuwegein (Invited).
- 2016: *The N-end rule pathway: How gas sensing helps plants to read and respond to their environment*. Hosted by Prof. Ronald Pierik, guest lecture for 3<sup>rd</sup> year BSc Biology course Plants, Adaptation and Defence of Utrecht University
- 2016: *Hoe overstroomde planten hun adem inhouden*. Bessensap, an annual Dutch Science, Communication and Press meeting. (Invited)
- 2016: *Ethylene-induced hypoxia tolerance: a novel mechanism for flooding survival in plants*. Experimental Plant Science Theme 3 Day: Metabolism and Adaptation, Amsterdam (Invited)
- 2015: *Waterproofing crops: unravelling the molecular mechanisms that confer flooding tolerance in plants*. Utrecht Plant Science & Industry Symposium, Utrecht (Invited)
- 2015: *Ethylene-induced hypoxia tolerance: a novel mechanism for flooding survival in plants*. Science for Life Conference, Jaarbeurs Utrecht (Invited)
- 2015-2019: *ScienceBattle*. A Theatre show in which PhD students ‘battle’ each other, making Dutch science accessible and fun for the general public. Directed by Suzanne Streefland and Rene Broeders, Hosted by Dutch Theatres (Invited, 15 times)

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## Publications

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\*Shared first authors

### 2023

Daniel, K., **Hartman, S.** (2023). How plant roots respond to waterlogging. *Journal of Experimental Botany*, doi:10.1093/jxb/erad332.

Maric, A., **Hartman, S.** (2023). The leaf sheath promotes prolonged flooding protection by giving rise to specialized adventitious roots. *New Phytologist*, 238: 1337-1339.

### 2022

Maric, A., **Hartman, S.** (2022). Ethylene controls translational gatekeeping to overcome flooding stress in plants. *The EMBO Journal*, e112282.

Huang, G., Kilic, A., Karady, M., Zhang, J., Mehra, P., Song, X., Sturrock, CJ., Zhu, W., Qin, H., **Hartman, S.**, Schneider, HM., Bhosale, R., Dodd, IC., Sharpi, RE., Huang, R., Mooney, SJ., Liang, W., Bennett, MJ., Zhang, D., Pandey, BK. (2022). Ethylene inhibits rice root elongation in compacted soil via ABA- and auxin-mediated mechanisms. *Proceedings of the National Academy of Sciences*, 119: 1–21.

Liu, Z.\*, **Hartman, S.\***, van Veen, H.\*, Zhang, H., Leeggangers, HACF., Martopawiro, S., Bosman, F., de Deugd, F., Su, P., Hummel, M., Rankenberg, T., Hassall, K., Bailey-Serres, J., Theodoulou, FL., Voesenek, LACJ. Sasidharan, R. (2022). Ethylene augments root hypoxia tolerance via growth cessation and reactive oxygen species amelioration. *Plant Physiology*, in press.

Courbier, S., **Hartman, S.** (2022). WRKYs Work to Limit Root Growth in Response to Shade, *Plant Physiology*, 188 (2), 937-938.

Huang, X., Shabala, L., Zhang, X., Zhou, M., Voesenek, LACJ., **Hartman, S.**, Yu, M., Shabala, S. (2022). Cation transporters in cell fate determination and plant adaptive responses to the low oxygen environment, *Journal of Experimental Botany*, 73 (3), 636-645

### 2021

**Hartman, S.** (2021). NIN-like Protein7 is Controlled by Oxygen and Nitric Oxide and Contributes to Stress Tolerance through PROTEOLYSIS6, *Plant Physiology*, 187 (4), 2346–2347.

Pandey, BK\*., Huang, G\*., Bhosale, R., **Hartman, S.**, Sturrock, GJ., Jose, L., Martin, OC., Karady, M., Voesenek, LACJ., Ljung, K., Lynch, JP., Brown, KM., Whalley, WR., Mooney, SJ., Zhang, D., Bennett, MJ. (2021). Plant roots sense soil compaction through restricted ethylene diffusion, *Science*, 371 (6526), 276-280.

**Hartman, S.** (2021). Averting a Sweet Demise: Sugars Change the Transcriptional Hypoxia Response in Maize Roots, *Plant Physiology*, 185 (2), 280-281.

**Hartman, S.**, Sasidharan, R., Voesenek, LACJ. (2021). The role of ethylene in metabolic acclimations to low oxygen. *New Phytologist*, 229 (1), 64-70.

### 2020

**Hartman, S.** (2020). MED25 Mediates Shade-Induced Hypocotyl Elongation in Tomato, *Plant Physiology*, 184 (3), 1217-1218.

**Hartman, S.** (2020). MaXB3 Limits Ethylene Production and Ripening of Banana Fruits, *Plant Physiology*, 184 (2), 568-569.

**Hartman, S.**, van Dongen, N., Rennenberg, D., Welschen-Evertman, RAM., Kociemba, J., Sasidharan, R., Voesenek, LACJ. (2020). Ethylene Differentially Modulates Hypoxia Responses and Tolerance across Solanum Species, *Plants*, 9 (8), 1022.

**Hartman, S.** (2020). The Meaning of an End: N-Terminal Acetyltransferase NAA50 Controls Plant Growth and Stress Responses, *Plant Physiology*, 183 (4), 1410-1411.

**Hartman, S.** (2020). Trapped In the Rhizosphere: Root-Bacterial Interactions Modulate Ethylene Signaling. *Plant Physiology*, 183 (2), 443-444.

## 2019

**Hartman, S.**, Liu, Z., van Veen, H., Vicente, J., Reinen, E., Martopawiro, S., Zhang, H., van Dongen, N., Bosman, F., Bassel, GW., Visser, EJW., Bailey-Serres, J., Theodoulou, FL., Hebelstrup, KH., Gibbs, DJ., Holdsworth, MJ., Sasidharan, R., Voesenek, LACJ. (2019). Ethylene-mediated nitric oxide depletion pre-adapts plants to hypoxia stress. *Nature Communications*, 10 (1).

## 2018

Gibbs, DJ., Tedds, HM., Labandera, A-M., Bailey, M., White, MD., **Hartman, S.**, Sprigg, C., Mogg, SL., Osborne, R., Dambire, C., Boeckx, T., Paling, Z., Voesenek, LACJ., Flashman, E., Holdsworth, MJ. (2018). Oxygen-dependent proteolysis regulates the stability of angiosperm polycomb repressive complex 2 subunit VERNALIZATION 2. *Nature Communications*, 9 (1).

Sasidharan, R., **Hartman, S.**, Liu, Z., Martopawiro, S., Sajeev, N., van Veen, H., Yeung, E., Voesenek, LACJ. (2018). Signal dynamics and interactions during flooding stress. *Plant Physiology*, 176 (2): 1106-1117.

## 2016

Van Veen, H., Vashisht, D., Akman, M., Girke, T., Mustroph, A., Reinen, E., **Hartman, S.**, Kooiker, M., van Tienderen, P., Schranz, ME., Bailey-Serres, J., Voesenek, LACJ., Sasidharan, R. (2016). Transcriptomes of Eight Arabidopsis thaliana Accessions Reveal Core Conserved, Genotype- and Organ-Specific Responses to Flooding Stress. *Plant Physiology*, 172 (2), 668-689.