

## Julia Zinsmeister, Ph.D.

✉ [julia.zinsmeister@laposte.net](mailto:julia.zinsmeister@laposte.net)

<http://linkedin.com/in/julia-zinsmeister>

### Assistant professor, AgroParisTech

#### Education

- 2013 **Ph.D. in Biology and Agronomy** – Superior National Institute for life, food, horticultural sciences and landscaping (Agrocampus Ouest), Angers, France
- 
- 2010 **Master's degree in engineering in Horticultural sciences, Sciences and Vegetal Production, seeds and plants improvement specialization** – Agrocampus Ouest
- 
- 2007 **CPGE BCPST** – Undergraduate courses to prepare nationwide competitive exams in Biology, Chemistry, Physics and Earth Sciences, Lycée Chaptal, Paris, France
- 
- 2013 **Self-development** – Corporate learning, self-studying with e-learning platform (CNED, ∞ EPO) and Massive Open Online Courses (MOOC)

#### Work experience

- 08/22 **Assistant professor** | AgroParisTech, France  
Now
- 
- 05/20 **Research project lead | Population Wide Analysis of molecular and metabolic features intrinsic to dormancy variability in single seeds** – Institute of Biochemistry and Biophysics (IBB PAS), Warsaw, Poland
- 
- 06/18 **Research project lead | Impact of isoprenoids metabolism on seed quality** – Centre for research in agricultural genomics (CRAG), Barcelona, Spain
- 
- 05/20 **Guest researcher** – Wageningen University (WUR), Wageningen, the Netherlands, collaboration under the action of the “Severo Ochoa internationalization postdoctoral program”
- 
- 11/18 **R&D Project manager | Seed technology** – Enza Zaden, the Netherlands. In charge of the development of tomato, pepper and lettuce seed priming. Conventional and organic seeds
- 
- 07/18
- 
- 06/18 **PhD in Biology and Agronomy | Functional study of three transcription factors regulating legume seed quality: ABI4, ABI5 and HSFA9** – INRAE, Angers, France
- 
- 01/17
- 
- 2013 **Teaching assistant | Molecular biology and biochemistry** – Agrocampus Ouest, Angers, France
- 
- 2016
- 
- 2014
- 
- 2015

#### Personal involvement

PhD elected board at the IRHS service council, 3 years, France, 2013-2016 • Steering committee member at the 4<sup>th</sup> PhD VENAM, France, 2014 • Organization of the training “safety in the laboratory”, INRAE-VENAM, France, 2016 • Participation to the organization of the « fête de la science », France, 2016 (science vulgarization) • Finalist of the « professional speech », ABG, PhD Talent fair, France, 2016 • « Expert young scientist », High Council for Evaluation of Research and Higher Education (Hcéres), France, 2018-2020 • Founder member of association of the SFR QUASAV, France, 2018 • Postdoc elected board of CRAG, Spain, 2019 • Presentation at the school “Cal Maiol” for the International Day for Women and Girls in Science, Spain, 2019 • European Researchers’ Night, French High school of Barcelona, Spain, 2019 • Early Career Researchers Conference, scientific committee, Spain, 2019 • French High School of Warsaw, presentation to students, online, Poland, 2021

#### Languages

**French** : Native language

**English** : Full professional proficiency, C1 (Certificate in Advanced English CAE 12/2020)

**Spanish** : Professional working proficiency, B2 (Unicert II 16/20, 2013)

**Polish**: Beginner

## Grants

2021 **EMBO Scientific exchange grant, 8 450 €** | IBB PAS, Poland and CNRS, France  
2021 **Marie Skłodowska-Curie Actions IF 2020, LIF, 94.4% 137 625.60€** | IBB PAS, Poland  
2018 **Severo Ochoa 2018 Internationalization post-doctoral program 59 276€** | Spanish Ministry of science and innovation  
2015 **Jean and Marie Louise Dufrenoy research grant 1000€** | French Academy of Agriculture  
2013 **PhD scholarship 85 208€** | Angers Loire Métropole – INRAE, France

## Awards

2019 **Prize of the best oral communication XII meeting SFBV** | French Society of Plant Biology  
2019 **Travel grant, SFBV 300€** | French Society of Plant Biology  
2017 **National PhD award, Silver Medal, Life sciences** | French Academy of Agriculture

## Peer reviewed publications

**Zinsmeister, J.**, Lalanne, D., Ly Vu, B., Schoefs, B., Marchand, J., Dang, T.T., Buitink, J. and Leprince, O. "ABSCISIC ACID INSENSITIVE 4 coordinates eoplast formation to ensure acquisition of seed longevity during maturation in *Medicago truncatula*." *The Plant Journal* (2022).

**Zinsmeister, J.\***, Berriri, S.\*, Puntel-Basso, D., Ly-Vu, B., Dang, T., Lalanne, D., Amaral da Silva, E.A., Leprince, O., Buitink, J. (2020). The seed-specific heat shock factor A9 regulates the depth of dormancy in *Medicago truncatula* seeds via ABA signaling. *Plant Cell and Environment*, (Q1, IF=5.624, citations=9)

**Zinsmeister, J.**, Leprince, O., Buitink, J. (2020). Molecular and environmental factors regulating seed longevity. *Biochemical Journal*, 477(2), 305-323. (Q1, IF=4.220, citations=2)

**Zinsmeister, J.**, Lalanne, D., Terrasson, E., Chatelain, E., Vandecasteele, C., Vu, B. L., Dubois-Laurent, C., Geoffriau, E., Le Signor, C., Dalmais, M., Gutbrod, K., Dörmann, P., Gallardo, K., Bendahmane, A., Buitink, J., Leprince, O. (2016). ABI5 is a regulator of seed maturation and longevity in legumes. *The Plant Cell*, 28(11), 2735-2754 (Q1, IF=8.688, citations=13). Front cover

Terrasson, E., Buitink, J., Righetti, K., Vu, B. L., Pelletier, S., **Zinsmeister, J.**, Lalanne, D., Leprince, O. (2013). An emerging picture of the seed desiccome: confirmed regulators and newcomers identified using transcriptome comparison. *Frontiers in plant science*, 4, 497 (Q1, IF=4.495, citations=20)

## Oral communication to international conferences

-**"HSFA9, a seed specific transcription factor linking thermotolerance and seed dormancy"**. Invitation from Plantum Working Group on Seedtechnology. Online event, 2021-05

-**"Engineering seed carotenoid metabolism: towards a balance between nutritional and physiological quality"**. Second National Meeting on Carotenoids, CARed, Grenada, Spain, 2019-11

-**"Isoprenoid metabolism and its impact on seed quality"**. XII meeting of the French Society of Plant Biology, Strasbourg, France, 2019-07

-**"ABI5 is a major regulator of late maturation in legume seeds, linking longevity, oligosaccharide accumulation and chloroplast dedifferentiation"**. International Society for Seed Science (ISSS), Seed Longevity workshop, Wernigerode, Germany, 2015-07

-**"ABI5 is a major regulator of late seed maturation and longevity in *Medicago truncatula*"**. ISSS, Changsha, China, 2014-09

## Memberships

**EPWS, European Platform of Women Scientists**, membership number IS164PL2021  
**ISSS, International Society for Seed Science**  
**SFBV, French Society of Plant Biology**