

# Guillaume Dubeaux

PhD, Plant Cell Biology



1989/06/04

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## Skills

- Biochemistry: IP, WB, protein production and purification
- Microscopy: confocal microscopy, spinning-disk microscopy, image analysis
- Molecular biology: common techniques (primer design, RT-qPCR, cloning)
- Programming: LaTeX, Swift, Java

## Hobbies

- Photography
- Cooking
- Website development

## Experience

### Post-doc, Plant Cell Biology

Institute for Integrative Biology of the Cell (I2BC), Gif-sur-Yvette (Paris), France. January 2017 to June 2017

- Project: Molecular mechanisms driving the dynamics and the post-translational modifications of the metal transporter IRT1 in *Arabidopsis*

### PhD Student, Plant Cell Biology

Institute for Integrative Biology of the Cell (I2BC), Gif-sur-Yvette (Paris), France. October 2013 to December 2016

- Supervisor: Dr Greg Vert
- Project: Molecular mechanisms driving the dynamics and the ubiquitination of the metal transporter IRT1 in *Arabidopsis*
- Representative roles: elected to the lab board (2013-2015) / elected to the council of the doctoral school (2013-2015)

### Master, Plant Cell Biology

Institute of Plant Sciences (ISV), Gif-sur-Yvette (Paris), France. January to June 2013

- Supervisor: Dr Greg Vert
- Project: Ubiquitin-mediated endocytosis of the metal transporter IRT1 in *Arabidopsis thaliana*

### Bachelor, Plant Physiology

Pierre et Marie Curie University (UPMC), Paris, France. April to June 2012

- Supervisor: Pr Pierre Carol
- Project: Role of the mitochondrial transporter BAC2 in *Arabidopsis thaliana*

## Awards

### PhD Fellowship

Ministère de la Recherche et de l'Enseignement Supérieur, France

## Education

### PhD, Plant Cell Biology (with Honors)

Paris-Saclay University, Doctoral School n°567, Orsay (Paris), France. October 2013 to December 2016

### Master of Sc., Integrative Biology and Physiology (with Honors)

Pierre et Marie Curie University (UPMC), Paris, France. September 2011 to June 2013

### Bachelor of Sc., Life Sciences (with Honors)

Pierre et Marie Curie University (UPMC), Paris, France. September 2008 to June 2011

## Publications

- **Dubeaux G**, Zelazny E, Vert G. Metal sensing by the IRT1 transceptor orchestrates its degradation and responses to metal stress. **Under review**
- **Dubeaux G** and Vert G. Zooming in plant ubiquitin-mediated endocytosis. **Curr Opin Plant Biol** 2017; in press.
- Wild M, Davière J-M, Regnault T, Sakvarelidze-Achard L, Carrera E, Lopez Diaz I, Cayrel A, **Dubeaux G**, Vert G, Achard P. Tissue-Specific Regulation of Gibberellin Signaling Fine-Tunes Arabidopsis Iron-Deficiency Responses. **Dev Cell** 2016; 37:190-200.
- **Dubeaux G**, Zelazny E, Vert G. Getting to the root of plant iron uptake and cell-cell transport: Polarity matters! **Communicative & Integrative Biology** 2015; 8:e1038441-4.
- Barberon M, **Dubeaux G**, Kolb C, Isono E, Zelazny E, Vert G. Polarization of IRON-REGULATED TRANSPORTER 1 (IRT1) to the plant-soil interface plays crucial role in metal homeostasis. **PNAS** 2014; 111:8293-8.

## Communications

- **Dubeaux G**, seminar, UCSD. San Diego, CA, USA. March 2017
- **Dubeaux G**, seminar, Carnegie Institution for Science. Stanford, CA, USA. March 2017
- **Dubeaux G**, seminar, European Network for Plant Endomembrane Research (ENPER). Bordeaux, France. August 2016
- **Dubeaux G**, seminar, Doctoral school Meeting. Orsay (Paris), France. November 2015
- **Dubeaux G**, seminar, ENPER. Leeds, UK. August 2015
- **Dubeaux G**, seminar, Cell Biology Department of the I2BC. Orsay (Paris), France. March 2015
- **Dubeaux G et al.**, poster, Doctoral school Meeting. Orsay (Paris), France. November 2014
- **Dubeaux G et al.**, poster, Doctoral school Meeting. Orsay (Paris), France. November 2013

## References

- **Dr Greg Vert**, PhD supervisor  
[gregory.vert@i2bc.paris-saclay.fr](mailto:gregory.vert@i2bc.paris-saclay.fr), 331-69-82-46-65
- **Dr Yvon Jaillais**  
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- **Dr Sebastien Thomine**  
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