Invited Speakers Short Academic CV

Assist Prof Steven Footitt
Bogazici University
Department of Molecular Biology and Genetics
Istanbul, Turkey
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Short Biography

EDUCATION

Ph. D. (1986-93) Louisiana State University, Louisiana, USA.
Seed Dormancy in Red Rice (Oryza Sativa)
Supervisor; Prof M.A. Cohn

B.Sc. (2:1) Applied Biology (1985) North East London Polytechnic, London, UK. (Now, University of East London)

EMPLOYMENT HISTORY

2019 – present: Assistant Professor, Department of Molecular Biology and Genetics, Bogazici University.
2017: Postdoc with Prof Lorenzo Frigerio, University of Warwick, UK.
2015 – 2016: Visiting Researcher with Prof Bill Finch-Savage, University of Warwick, UK.
2007 – 2015: Postdoc with Prof Bill Finch-Savage, University of Warwick, UK.
2000 – 2007: Postdoc with Prof Mike Holdsworth, Rothamsted Research, UK.
1999 – 2000: Postdoc with Prof Steven Smith. University of Edinburgh, UK.
1996 – 1998: Postdoc with Prof Sara von Arnold, Swedish University of Agricultural Sciences, Uppsala, Sweden.
1994 – 1996: Postdoc with Prof Christine Raines. University of Essex, UK.
1993: Postdoc with Dr James Bryce, Heriot-Watt University, Edinburgh, UK. (1993).
1986-1992: Graduate Research Assistant with Prof Marc Cohn, Louisiana State University.
1983-1984: Assistant Science Officer with Dr Robin Probert. Royal Botanic Gardens, UK.

GRANTS

2021- 2024 : Identifying climate adapted genes regulating secondary dormancy in seeds using *Arabidopsis thaliana* ecotypes adapted to cool and warm climates. TUBITAK
2021 – 2023 Identifying quantitative traıt loci contaınıng genes regulating temperature sensitive induction of seed dormancy ın Arabidopsis. BAP
2016 - 2017 The role of seed specific TIP3 aquaporins in water potential sensing and dormancy regulation. Warwick University Pump Priming Fund.
2011 - 2014 Regulation of seed dormancy and its link to flowing time in the annual life cycle of plants. BBSRC-UK

CONFERENCES / TALKS

Agriculture, Food and Forestry Sciences, University of Palermo, Italy (2021)
Dept. of Molecular Biology and Genetics, Istanbul Technical University, Turkey (2019)
Dept. of Molecular Biology and Genetics, Boğaziçi University, Turkey (2018)
Keynote speaker, 6th Plant Dormancy Symposium, Kyoto, Japan (2018)
Dept. of Biology, University of York, UK, (2015).
Dept. of Biology, Dumlupinar University, Turkey, (2010, 2012).
Keynote speaker, 2nd International Environmental Protection Symposium Dumlupinar University, Turkey, (2005)**.**

SELECTED RECENT PUBLICATIONS

For the full list go to;
https://scholar.google.co.uk/citations?user=FyBlci0AAAAJ&hl=en&oi=ao.

Footitt, S., Hambidge, A.J., and Finch-Savage W.E. (2021) Changes in phenological events in response to a global warming scenario reveal greater adaptability of winter annual compared to summer annual Arabidopsis ecotypes. Annals of Botany https://doi.org/10.1093/aob/mcaa141

Footitt, S., Walley, P.G., Lynn, J.R., Hambidge, A.J., Penfield S. and Finch-Savage W.E. (2019) Trait analysis reveals DOG1 determines initial depth of seed dormancy, but not changes during dormancy cycling that result in seedling emergence timing. New Phytologist https://doi.org/10.1111/nph.16081

Footitt, S., Clewes, R., Feeney, M., Finch-Savage, W.E., Frigerio, L. (2019) Aquaporins influence *Arabidopsis* seed dormancy and germination in response to stress. *Plant Cell & Environment* https://doi.org/10.1111/pce.13561

Awan, S., **Footitt, S.,** and Finch-Savage, W.E. (2018). Interaction of maternal environment and allelic differences in seed vigour regulating genes determines seed performance in *Brassica oleracea. Plant Journal* https://doi.org/10.1111/tpj.13922

Huang, Z., **Footitt, S.,** Tang, A. and Finch-Savage, W.E. (2018) Predicted global warming scenarios impact on the mother plant to alter seed dormancy and germination behaviour in Arabidopsis. *Plant Cell and Environment* 41:187–197. https://doi.org/10.1111/pce.13082

Footitt, S., Ölçer-Footitt, H., Hambidge, A. J., Finch-Savage, W. E. (2017). A laboratory simulation of Arabidopsis seed dormancy cycling provides new insight into its regulation by clock genes and the dormancy-related genes DOG1, MFT, CIPK23, and PHYA. *Plant, Cell & Environment,* 40: 1474-1486 doi: 10.1111/pce.12940

Finch-Savage, W. E., **Footitt, S.** (2017) **REVIEW:** Seed dormancy cycling and the regulation of dormancy mechanisms to time germination in variable field environments. *Journal of Experimental Botany*, 68: 843-856.

Waterworth, W.M., **Footitt, S.,** Bray, C.M., Finch-Savage, W.E., West, C.E. (2016) The DNA damage checkpoint kinase ATM regulates germination and maintains genome stability in seeds. *Proceedings of the National Academy of Sciences (USA),* 113: 9647-9652.

Huang, Z., **Footitt, S.**, Finch-Savage, W.E. (2014) The effect of temperature on reproduction in the summer and winter annual Arabidopsis thaliana ecotypes Bur and Cvi. *Annals of Botany*, 113: 921-929.

Footitt, S., Douterelo-Soler, I., Clay, H., Finch-Savage, W. E., (2011) Dormancy cycling in Arabidopsis seeds is controlled by seasonally distinct hormone-signaling pathways. *Proceedings of the National Academy of Sciences (USA),* 108: 20236 – 20241.

Carrera, E., Holman, T., Medhurst, A., Deitrich, D., **Footitt, S**., A., Theodoulou, F., Holdsworth, M. (2008) Seed after-ripening is a discrete developmental pathway associated with specific gene networks in Arabidopsis. *Plant Journal,* 53**: 214-224.**

Footitt, S., Slocombe, S. P., Larner, V., Kurup, S., Wu, Y. S., Larson, T., Graham, I., Baker, A., Holdsworth, M. (2002) Control of germination and lipid mobilization by COMATOSE, the Arabidopsis homologue of human ALDP. *EMBO Journal,* 21: 2912-2922.

PROFESSIONAL AFFILIATIONS

International Society for Seed Science