GARNet:Supporting Technological Innovation in UK Plant Science



WELCOME TO GARNet

GARNet supports UK scientists to develop and undertake excellent research using Arabidopsis thaliana

www.garnetcommunity.org.uk



Who are GARNet? Managed by GARNet Advisory Committee



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GARNet Chair
University of Edinburgh

More info »



Murray
GARNet PI
Cardiff University

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Geraint Parry

GARNet Coordinator Cardiff University

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Centre for Crop Health and Protection (CHAP)

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NASC, University of Nottingham

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Sarah McKim

University of Dundee at the James Hutton Institute

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Turnbull
Imperial College



Renier Van der Hoorn

University of Oxford

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GARNet Past and Present.



Funded by BBSRC Responsive Mode since 2000

2000-2004: University of York: Focus on Genomics.

2005-2009: University of Edinburgh: Focus on Systems Biology

2009-2014: University of Warwick: Focus on Synthetic Biology

2015-2020: Cardiff University: Focus on New Technologies and Translation

2020-2025: Cardiff University

- > Enhance UK research expertise in the technologies required for discovery-led plant science through provision of training opportunities.
- > Represent UK fundamental plant science researchers in the changing global research environment
- > Promote opportunities for interactions between industry and the discovery-led plant science research
- > Provide a unified voice and support for the UK fundamental plant science research community.

GARNet2020 Organised Events

- September 2015: Plant CRISPR-Cas Workshop: John Innes Centre
- April 2016: Integrating Large Data into Plant Science: From Big Data to Discovery: Dartington Hall, Devon.
- > September 2016: **GARNet2016: Innovation in the Plant Sciences**: Cardiff University
- December 2016: GARNet NatVar2016: Natural Variation as a tool for Gene Discovery and Crop Improvement: University of Cambridge
- March 2017: CyVerseUK Workshop: University of York
- ▶ July 2017: SEB Satellite Meeting: New Breeding Technologies in the Plant Sciences- Applications and Implication in Gene Editing: Gothenberg University
- December 2017: **SEB Cell Symposium: From Proteome to Phenotype: The Role of Post Translational modifications:** University of Edinburgh
- March 2018: CRISPR-Cas9 Workshop: University of Bristol
- > September 2018: GARNet2018: A Plant Science Showcase
- > December 2018: CyVerse RNA-Seq Analysis workshop

GARNet2020 Community Involvement

Involvement with External Committees to support Community Initiatives

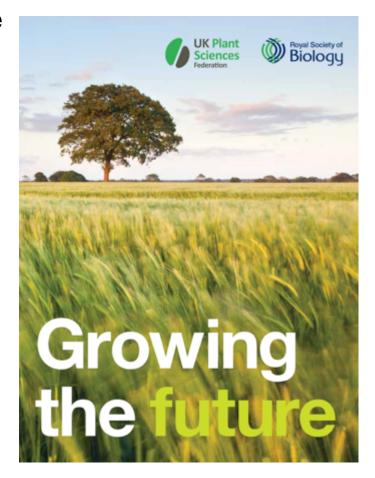
- NIAB Wheat Transformation Resource
- John Innes Centre 'CRISPRINCROPS' gene editing resource
- SEB Plant Science Committee



GARNet2020 Community Involvement

Involvement with External Committees to support Community Initiatives

- UK Plant Science Federation Committee



GARNet2020 Community Involvement

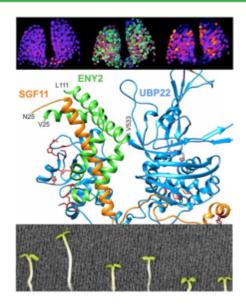
Involvement with External Committees to support Community Initiatives

- Multinational Arabidopsis Steering Committee (MASC)

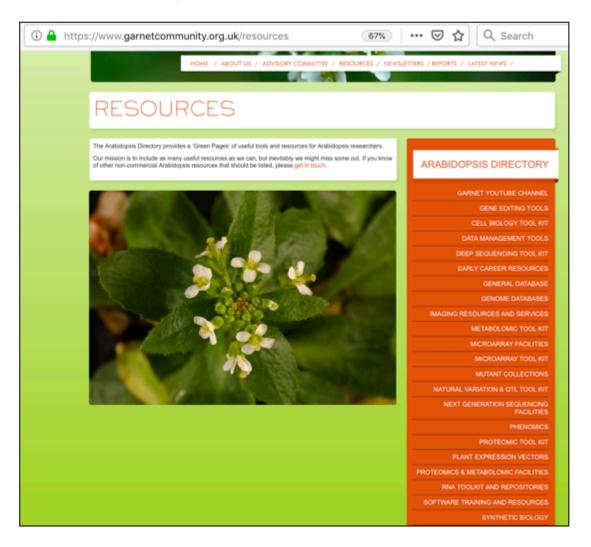
From Bench to Bountiful Harvests

Multinational Arabidopsis Steering Committee (MASC)

Annual Report 2018/2019



- GARNet Website www.garnetcommunity.org.uk/
 - Resources Page



- GARNet Website <u>www.garnetcommunity.org.uk/</u>
 - Reports



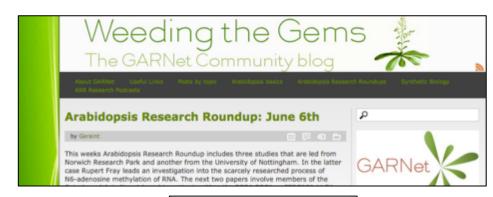
- GARNet Website <u>www.garnetcommunity.org.uk/</u>
 - GARNish Newsletter



- ArabUK Email List www.jiscmail.ac.uk/ARABUK



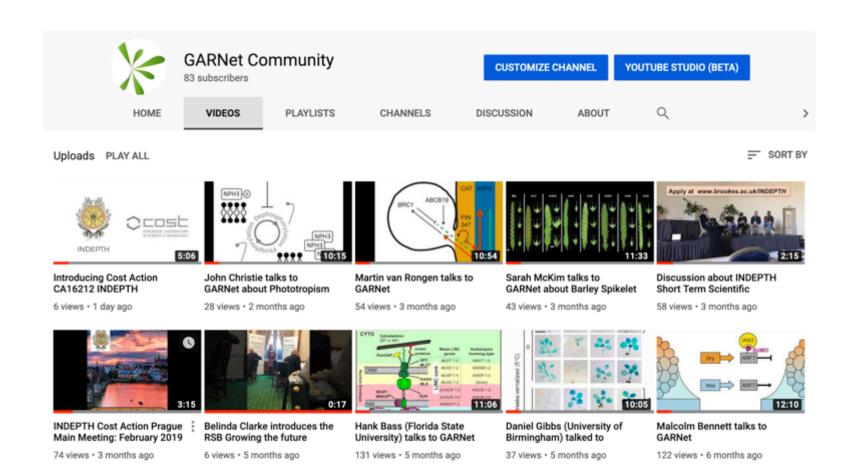
GARNet blog: <u>blog.garnetcommunity.org.uk/</u>



- @GARNetweets
 - 4K followers

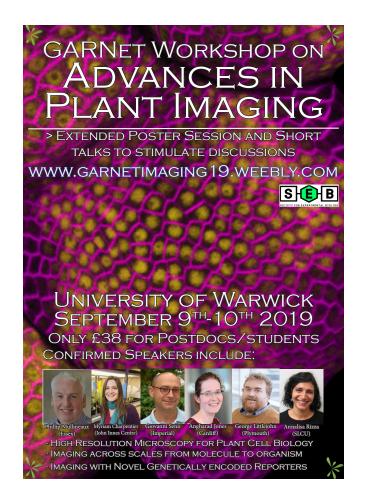


GARNet YouTube channel and Podcast



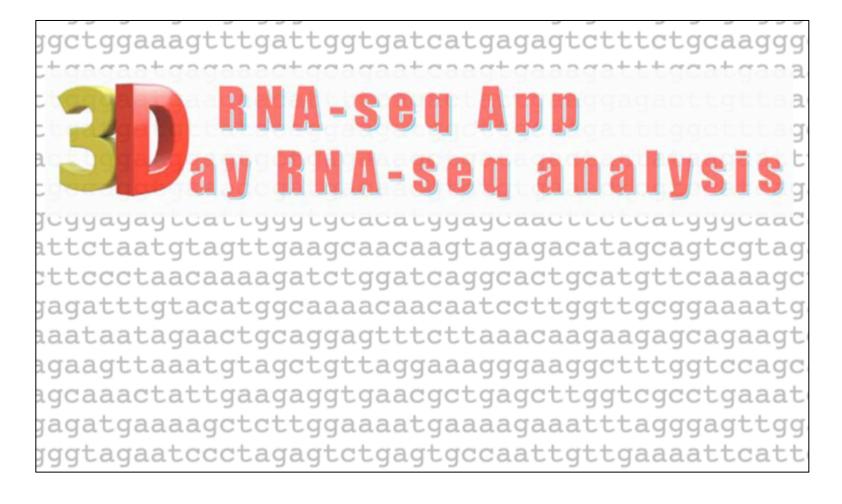
Upcoming Events:

- GARNet Advances in Plant Imaging
 - University of Warwick: Sept 9th-10th
 - Early bird registration ends July 24th
 - https://garnetimaging19.weebly.com/



Upcoming Events:

- Training Workshop on 3D RNA-seq App
 - University of Leeds: Oct 23rd-24th
 - Website coming soon....



...and Finally....

- ICAR2021
 - Belfast June 21st-25th 2021
 - http://icar2021.arabidopsisresearch.org/

ICAR 2021: BELFAST JUNE 21ST-25TH 2021

NORTHERN IR FLAND



COME FOR THE SCIENCE STAY FOR THE STORIES

CAR2O21.arabidopsisresearch.org