



KEY TO EDITOR'S EXPERTISE



PHOTOSYNTHESIS AND METABOLISM



PLANT GROWTH AND DIFFERENTIATION



CROP MOLECULAR GENETICS



PLANT ENVIRONMENT INTERACTIONS

EDITOR-IN-CHIEF

CHRISTINE RAINES



University of Essex, Colchester,
United Kingdom

rainc@essex.ac.uk

- Photosynthesis
- Carbon fixation
- Transgenic plants
- Molecular biology
- Plant physiology

Webpage

ASSOCIATE EDITORS

KARL-JOSEF DIETZ



Bielefeld University, Bielefeld,
Germany

karl-josef.dietz@uni-bielefeld.de

- Abiotic stress
- Antioxidant
- Enzyme activity and regulation
- Gene regulation
- Metal toxicity
- Organelle signalling
- Photosynthesis
- Protein translation and assembly
- Redox signalling
- Vacuole

Webpage

HOWARD GRIFFITHS



University of Cambridge,
Cambridge, United Kingdom

hg230@cam.ac.uk

- Acclimation
- Crops and tropical epiphytes
- Photoinhibition
- Photosynthesis and water use in trees
- Photosynthetic CO₂ concentrating mechanisms in terrestrial and aquatic plants
- Plant and soil water relations
- Regulation of Crassulacean Acid Metabolism
- Stable isotopes

Webpage

CHRIS HAWES



Oxford Brookes University, Oxford,
United Kingdom

chawes@brookes.ac.uk

- Plant cell biology
- Endomembrane systems
- Golgi
- Confocal and electron microscopy

Webpage

LARS HENNIG

Flowering Newsletter Editor



Swedish University of Agricultural Sciences, Uppsala, Sweden

lars.hennig@slu.se

- Chromatin
- Epigenetics
- Flower Development
- Flowering time
- Epigenomics

Webpage

GERHARD LEUBNER



Royal Holloway, London, United Kingdom

gerhard.leubner@rhul.ac.uk

- Seed, fruit and seedling biology
- Abiotic stress responses (seeds/seedlings)
- Crops, weeds, climate change, food security
- Molecular physiology of seed germination
- Seed biomechanics and water relations
- Seed and bud dormancy
- Plant hormones, natural products
- Embryo growth mechanisms
- Cell-wall hydrolyses and apoplastic ROS
- Evolution seed/fruit trait

Webpage 1 and 2

JOHN LUNN



Max Planck Institute of Molecular Plant Physiology, Potsdam, Germany

lunn@mpimp-golm.mpg.de

- C₃ photosynthesis
- C₄ photosynthesis
- Carbohydrate metabolism
- CO₂ fixation
- Evolution of metabolism/enzymes
- Protein purification
- Protein-protein interactions
- Sugar signalling
- Sulphur metabolism

Webpage

JIM MURRAY



Cardiff School of Biosciences, Cardiff, United Kingdom

murrayja1@cardiff.ac.uk

- Synthetic biology
- Biotechnology
- Cell cycle
- Development
- Gene regulatory networks
- Systems biology

Webpage

GRAHAM NOCTOR



Université de Paris-Sud, Orsay, France

graham.noctor@u-psud.fr

- Stress/oxidative stress
- Antioxidants
- Leaf metabolism/metabolomics
- Redox homeostasis

Webpage

DON ORT

Darwin Reviews Editor



University of Illinois, Urbana, IL,
United States

d-ort@uiuc.edu

- Photosynthesis
- Global Change
- FACE
- Environmental/abiotic Stress

Webpage

CRISTOBAL UAUY



John Innes Centre, Norwich, United
Kingdom

cristobal.uauy@jic.ac.uk

- Wheat
- Genomics
- Yellow rust
- Senescence
- Grain development
- Genetics
- QTL
- Breeding

Webpage

JIANHUA ZHANG



Chinese University of Hong Kong,
Hong Kong

jhzhang@cuhk.edu.hk

- Crop physiology
- Water stress
- Water-saving crop production
- ABA
- Drought tolerance

Webpage

HANDLING EDITORS

LISA AINSWORTH



University of Illinois, Urbana, IL,
United States

ainswort@illinois.edu

- Climate change
- Photosynthesis
- Ozone
- Source-sink balance
- Plant molecular physiology

Webpage

TOM BEECKMAN



Ghent University, Ghent, Belgium

tom.beeckman@psb.vib-ugent.be

- Cell cycle
- Gene expression
- Plant anatomy
- Plant development
- Plant morphogenesis
- Root architecture
- Root development

Webpage

CHRISTINE BEVERIDGE



University of Queensland, Brisbane, Australia

c.beveridge@uq.edu.au

- Auxin
- Plant Development
- Shoot branching
- Strigolactone

Webpage

PETER BOZHKO



Swedish University of Agricultural Sciences and Linnean Center for Plant Biology, Uppsala, Sweden

peter.bozhkov@slu.se

- Cell death
- Ageing
- Proteases
- Autophagy
- Development
- Catabolism

Webpage

TIM COLMER



University of Western Australia, Crawley, Australia

timothy.colmer@uwa.edu.au

- Aerenchyma and oxygen transport
- Anoxia tolerance
- Flooding tolerance
- Halophytes
- Salinity tolerance
- Submergence tolerance

Webpage

KATHERINE DENBY



University of Warwick, Coventry, United Kingdom

k.j.denby@warwick.ac.uk

- Plant disease resistance
- Systems biology
- Gene regulatory networks
- Environmental stress responses
- Host-pathogen interactions

Webpage

IAN DODD



Lancaster University, Lancaster, United Kingdom

i.dodd@lancaster.ac.uk

- Water deficit
- Root-to-shoot signalling
- Plant-growth promoting rhizobacteria
- Phytohormones
- Stomatal physiology

Webpage

CHRISTINE FOYER



University of Leeds, Leeds, United Kingdom

c.foyer@leeds.ac.uk

- Redox regulation and signalling (ROS, antioxidants)
- Abiotic stress (drought, cold, high light)
- Photosynthesis
- Respiration
- Carbon nitrogen interactions
- Aphid resistance

Webpage 1 and 2

NONI FRANKLIN-TONG



University of Birmingham,
Birmingham, United Kingdom

v.e.franklin_tong@bham.ac.uk

- Calcium signalling
- Pollen tube growth
- Programmed cell death
- Self-incompatibility

Webpage

DAPHNE GORING



University of Toronto, Toronto,
Canada

d.goring@utoronto.ca

- Pollen-pistil interactions
- Self-incompatibility
- Signal transduction
- Receptor kinases
- E3 ligases
- Gene regulation
- Transgenic plants
- Genome editing

Webpage

ROB HANCOCK



James Hutton Institute, Dundee,
United Kingdom

rob.hancock@hutton.ac.uk

- Primary metabolism
- Secondary metabolism
- Plant-insect interactions
- Abiotic stress
- Crop physiology
- Metabolomics
- Transcriptomics

Webpage

STANISLAV KOPRIVA



University of Cologne, Cologne,
Germany

skopriva@uni-koeln.de

- C₄ photosynthesis
- Oxidative stress
- Plant nutrition
- Sulphur assimilation

Webpage

HENDRIK KÜPPER



**Biology Center of the Czech
Academy of Sciences and
University of South Bohemia,**
Branisovská, Czech Republic

hendrik.kuepper@umbr.cas.cz

- Physiology, biophysics and biochemistry (incl. molecular biology) of photosynthetic organisms (green/brown/red algae, terrestrial and submerged higher plants, cyanobacteria)
- Metal metabolism in terms of uptake, physiological use, sequestration/complexation, detoxification, deficiency and toxicity.
- Regulation of photosynthesis, particularly in response to abiotic stresses

Webpage

TRACY LAWSON



University of Essex, Colchester,
United Kingdom

tlawson@essex.ac.uk

- Photosynthesis
- Plant physiology
- Stomata
- Water use efficiency
- Phenotyping
- Chlorophyll fluorescence

Webpage

UWE LUDEWIG



University of Hohenheim, Stuttgart, Germany

u.ludewig@uni-hohenheim.de

- Ammonium
- Arabidopsis
- Channels
- Crop physiology
- Macronutrient
- Membrane
- Micronutrient
- Nitrogen
- Root
- Transport

Webpage

BRUNO MOULIA



INRA and Université Blaise Pascal, Clermont-Ferrand, France

bruno.moulia@clermont.inra.fr

- Plant biomechanics
- Plant biophysics
- Sensing
- Mechanobiology
- Morphogenesis
- Growth
- Wind effects on plants
- Thigmomorphogenesis
- Gravitropism

Webpage

ANGUS MURPHY



University of Maryland, College Park, MD, United States

asmurphy@umd.edu

- Auxin Transport
- Hormone crosstalk
- ABC transporters
- Membrane protein trafficking

Webpage

RICHARD NAPIER



University of Warwick, Coventry, United Kingdom

richard.napier@warwick.ac.uk

- Auxin
- Protein structure
- Signalling
- Receptor
- Biosensor
- Aptamer
- Cytokinin
- Chemical biology

Webpage

STEVEN PENFIELD



John Innes Centre, Norwich, United Kingdom

steven.penfield@jic.ac.uk

- Seed dormancy
- Germination
- Seed vigour
- Temperature
- Seasonal behaviour
- Life history

Webpage

JEREMY PRITCHARD



University of Birmingham, Birmingham, United Kingdom

j.pritchard@bham.ac.uk

- Drought
- Phloem
- Plant insect interactions
- Plant physiology
- Water relations
- Xylem

Webpage

GREG REBETZKE



CSIRO, Canberra, Australia

greg.rebetzke@csiro.au

- Breeding
- Quantitative genetics
- Physiology
- Wheat
- Statistics

Webpage

HITOSHI SAKAKIBARA



RIKEN Center for Sustainable Resource Science, Yokohama, Japan

sakaki@riken.jp

- Cytokinin
- Hormone metabolism
- Nitrogen metabolism
- Response to nitrogen nutrition
- Heavy metal tolerance

Webpage

NICK SMIRNOFF



University of Exeter, Exeter, United Kingdom

n.smirnov@exeter.ac.uk

- Plant and algal metabolism
- Reactive oxygen species and antioxidants
- Functions and metabolism of ascorbic acid (vitamin C)
- Metabolic engineering

Webpage

RAMAN SUNKAR



Oklahoma State University, Stillwater, OK, USA

ramanjulu.sunkar@okstate.edu

- MicroRNAs
- Post-transcriptional gene regulation
- Drought stress
- Salt stress
- Epigenetics

Webpage

HIDEKI TAKAHASHI



Michigan State University, East Lansing, MI, United States

htakaha@msu.edu

- Primary metabolism
- Nutrient transport
- Nutrient signalling
- Root development
- Nitrogen assimilation
- Sulfur assimilation

Webpage

SIMON TURNER



University of Manchester, Manchester, United Kingdom

simon.turner@manchester.ac.uk

- Cell walls
- Vascular tissue development
- Xylem
- Cellulose
- Microtubules

Webpage

BJÖRN USADEL



RWTH Aachen University, Aachen, Germany

usadel@bio1.rwth-aachen.de

- Omics data
- Data visualisation
- Big data
- Cell walls
- Mucilage
- Plant metabolism

Webpage

ARIEL VICENTE



College of Agriculture National University of La Plata - CONICET Argentina, La Plata, Argentina

arielvicente@gmail.com

- Fruit
- Postharvest
- Ripening
- Senescence
- Cell wall
- Pectin
- Hemicellulose
- Food

Webpage

SUSANNE von CAEMMERER



Australian National University, Canberra, Australia

susanne.caemmerer@anu.edu.au

- Stable carbon and oxygen isotope discrimination
- Photosynthesis
- Stomatal function
- CO₂ diffusion inside leaves

Webpage 1 and 2

DABING ZHANG



Shanghai Jiao Tong University, Shanghai, China

zhangdb@sjtu.edu.cn

- Anther
- Development
- Flower
- Inflorescence
- Pollen
- Rice

Webpage

QIAO ZHAO



Tsinghua University, Beijing, China

qzhao@mail.tsinghua.edu.cn

- Secondary metabolism
- Lignin biosynthesis
- Cell wall
- Biofuel
- Transcriptional regulation
- Biochemistry

Webpage
