

## Cathie Martin Profile:

I have been a group leader at the John Innes Centre, Norwich UK since 1983. The John Innes Centre is the leading Research Institute in Plant Sciences in Europe. I am Professor at the University of East Anglia and I hold a chair as Niels Bohr Visiting Professor in the Faculty of Life Science, University of Copenhagen, Denmark. My research has focused on cellular specialisation in plants and I was the first to identify genes regulating cell shaping in plants. I have been a plenary speaker and session organiser at several international biotechnology meetings, and I have been asked to present the work I co-ordinate on the European Union-sponsored FLORA project at many international biotechnology meetings. I am inventor on seven patents and I recently co-founded a spin-out company (Norfolk Plant Sciences) with Professor Jonathan Jones FRS, to bring the benefits of plant biotechnology to Europe and the US. I have been involved in setting up the Centre for Preventative Medicine in Norwich UK which is supported by a unique combination of internationally leading researchers who are developing the scientific understanding of how diet can help to maintain health, lead to healthy ageing and reduce the risk of chronic disease. My interests span the entire spectrum of plant biology, and in biological questions from the fundamental right to the applied ends of plant science. I am Editor-in-Chief of *Plant Cell*, the highest ranking international journal for research on plants sponsored by the American Society of Plant Biologists. I am the first woman and the first non-American to hold this post.

## Curriculum vitae:

### Degrees:

1977 First Class Hons. in Natural Sciences, University of Cambridge (Part II: Botany)  
1981 Ph.D. in Biochemistry, University of Cambridge

### Posts Held:

1981-1983 Cambridge University Research Fellow Research  
1983 Higher Scientific Officer, Department of Genetics, John Innes Institute,  
1986 Promoted to Senior Scientific Officer, John Innes Institute  
1990 Unified Grade 7, John Innes Institute  
1996 Individual Merit Promotion to Band 3, John Innes Centre (Renewed 2002)  
1996-2000 Editorial Board, *Plant Journal*  
1998-2002 Honorary Reader, School of Biological Sciences, University of East Anglia  
2000- Visiting Professor, Royal Holloway College, University of London  
2000- Co-Editor, *Plant Cell*  
2000-2005 Program Grant Committee Member, HFSP  
2002 Honorary Professor, School of Biological Sciences, University of East Anglia.  
2004 Associate Editor, *Plant Cell*  
2004 Editorial Board, *Trends in Plant Sciences*  
2006-2011 Niels Bohr Visiting Professor, Faculty of Life Science, University of Copenhagen.  
2008-2013 Editor in Chief, *Plant Cell*  
2008 Promoted to IMP Band H

### Selected Recent Publications:

**NIGGEWEG, R., MICHAEL, A.J. MARTIN, C (2004)** Increasing chlorogenic acid in tomato, an important antioxidant for plants and animals *Nature Biotech.* **22**, 746-754

**SCHWINN, K., VENAIL, J., SHANG, Y., MACKAY, S., ALM, V., BUTELLI, E., OYAMA, R., BAILEY, P., DAVIES, K, AND MARTIN, C. (2006).** A small family of Myb-regulatory genes controls floral pigmentation intensity and patterning in the genus *Antirrhinum*. *Plant Cell*, **18**, 831-851.

**SERNA L, AND MARTIN C. (2006)** Trichomes: different regulatory networks lead to convergent structures. *Trends in Plant Sciences*, **11**, 274-280.

**LOBBES, D, RALLAPALLI, G, SCHMIDT, D, MARTIN, C AND CLARKE, J. (2006)** SERRATE – a new player on the plant miRNA scene *EMBO Reports*, **7**, 1052-1058.

**LUO J, NISHIYAMA Y, FUELL C, TAGUCHI G, ELLIOTT K, HILL L, TANAKA Y, KITAYAMA M, YAMAZAKI M, BAILEY P. PARR A. MICHAEL AJ. SAITO K. MARTIN C.(2007)** Convergent evolution in the BAHD family of acyl transferases identification and characterisation of anthocyanin acyl transferases from *Arabidopsis thaliana* *Plant J.* **49** 810-828

**BAUMANN K. PEREZ-RODRIGUEZ M. BRADLEY D. VENAIL J. BAILEY P. JIN H. KOES R. ROBERTS K. MARTIN C. (2007)** Control of cell and petal morphogenesis by R2R3 MYB transcription factors. *Development*, **134**, 1691-1701.

**TOUFEKTSIAN, M-C, DE LORGERIL, M, NAGY, N, SALEN, P, DONATI, MB, GIORDANO ,L, MOCK, H-P, PETEREK, S,**

**MATROS, A, PETRONI, K, PILU, R, ROTILIO, D, TONELLI, C, DE LEIRIS, J, BOUCHER, F, AND MARTIN, C.(2008)** Chronic dietary intake of plant-derived anthocyanins protects the rat heart against ischemia-reperfusion injury. **J. Nutr.** **138**, 747-752.

**BUTELLI E, TITTA L, GIORGIO M, MOCK H-P, MATROS A, PETEREK S, SCHIJLEN EGWM, HALL R, BOVY AG, LUO J AND MARTIN C. (2008)** Induced anthocyanin biosynthesis in tomato results in purple fruit with increased antioxidant and dietary, health-protecting properties. **Nature Biotech.**, **26**, 1301-1308

**LUO,J, FUELL C, PARR A, HILL L, BAILEY P, ELLIOTT K, FAIRHURST SA, MARTIN C AND MICHAEL AJ. (2009)** A novel polyamine acyltransferase responsible for the accumulation of spermidine conjugates in *Arabidopsis* seed. **Plant Cell**, **10.1105/tpc.108.063511**

Total Publications in International Refereed Journals: **150**; h index = **40**; Total citations: **4,998**