

Quentin C.B. Cronk

CURRICULUM VITAE

PERSONAL DETAILS

Current positions:

Professor in Plant Science, Faculty of Land and Food Systems, University of British Columbia

Director, UBC Botanical Garden and Centre for Plant Research (until 31 March 2008)

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Botanical Garden and Centre for Plant Research
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<http://www.ubcbotanicalgarden.org/>

<http://www.ubcbotanicalgarden.org/research/cronklab.php>

http://www.landfood.ubc.ca/research/faculty_webpages/cronk_quentin.htm

EDUCATION/ DEGREES

BA

Natural Sciences Tripos, Botany - First Class Honours - 1980
Corpus Christi College, Cambridge University, UK

PhD

Botany, Cambridge University, 1981 – 1984, degree awarded 1985

Title of Dissertation: “The Historical and Evolutionary Development of the Plant Life of St Helena”

Name of Supervisor: P.D. Sell

EMPLOYMENT/TITLES

National Evolutionary Synthesis Centre, Duke University
Sabbatical Fellow
2005 – 2006

University of British Columbia
Professor in Plant Science, Faculty of Agricultural Sciences
2002 – present

University of British Columbia
Director, University of British Columbia Botanical Garden
2002 – 2008

Edinburgh University and Royal Botanic Garden, Edinburgh
Reader in Vascular Plant Systematics
1999 – 2002

University of Edinburgh
Senior Lecturer in Vascular Plant Systematics
1998 – 1999

University of Edinburgh
Director of Studies, ICMB, University of Edinburgh
1997 – 2002

University of Edinburgh and the Royal Botanic Garden, Edinburgh
University Lecturer in Vascular Plant Systematics
1995 - 1998

University of Oxford Herbaria
Curator
1994 - 1995

Linacre College, Oxford University
Research Fellow
1992 - 1995

University of Oxford, Dept of Plant Sciences
Departmental Lecturer
1992 - 1995

Corpus Christi College, Cambridge
Fellow and Admissions Tutor
1989 - 1992

Corpus Christi College, Cambridge
Research Fellow
1985 - 1989

AWARDS AND ACTIVITIES

Honours

- Elected to Council, Linnean Society of London, 1999
- Lecture prize, Atlantic Islands Conference, Las Palmas, 1996
- Sir Albert Howard Memorial Travel Exhibition, Cambridge University, 1980
- Caldwell Scholarship, Corpus Christi College, 1979
- Churchill Travelling Fellowship, 1976

Institutional Review Boards

- Chair, Visiting Committee of the Arnold Arboretum, Harvard University (2005-6)
- Member, Visiting Committee to review the Department of Organismal and Evolutionary Biology, Harvard University (2007)

Elective Societies

- Linnean Society of London, Assoc. and Fellow (1976-)
- Cambridge Philosophical Society (Life Fellow)
- Cambridge University Natural Science Club, Past President (1979)

Committees and working groups (selected)

- University of British Columbia, representative MADHU/PAC (heads of units) meeting (2002-present)
- University of British Columbia, Faculty of Land and Food Systems Core Committee (2002-present)
- University of British Columbia, Henry Eddy Committee (2002- present)
- Scottish Office Institutes, member, CHABOS working group "Biodiversity initiatives in Scottish Office Institutes" (1999)
- Scottish Office Institutes, member, CHABOS working group "Molecular tools for genetic characterization of plant and animals and for diagnostic aids" (1995)
- University of Edinburgh, member, Davis Expedition Fund Committee (1996-2002)
- University of Edinburgh, member, James Rennie Bequest Committee (1997-2002)
- University of Oxford, participant, Focus group for University fundraising chaired by Dr Henry Drucker (1997)

Editing and reviewing

- *Botanical Journal of Scotland*, member of editorial board, from 1999
- *Botanical Journal of the Linnean Society*, assistant editor (biogeography and conservation), from 1986
- *Davidsonia*, Editorial Board, from 2002
- *Environment and History*, Associate Editor (plant environments), from 1996
- Reviewer for numerous journals

External examining of PhD degrees

- Imperial College, London, Gail Reeves "Radiation of Protea", supervisors M. Chase, John Lawton, internal examiner, Mick Crawley, 2000
- Trinity College Dublin, Conor Meade "Taxonomy of SE Asian Annonaceae" supervisor J.A.N. Parnell, internal examiner S. Waldren, 2001

- University of Cambridge, Elin Lemche, "Molecular systematics of Sorbus" supervisors D. Briggs and A. Smith, internal: T. Upson, 1999.
- University of Glasgow, Mark Tebbit "Phylogenetic studies in Begonia", supervisor: Dr J.H. Dickson; internal examiner: Dr R. Page, 1997.
- University of Melbourne, J. Kellerman "Taxonomy of Australian Rhamnaceae", supervisor Pauline Ladiges, 2006.
- University of St Andrews, Jaime Estrella, "Molecular systematics of Pachyrrhiza (Leguminosae)", supervisor R. Abbott, internal: P. Gibbs, 1998.

Consultancy and Advisory Boards

- Biotechnology and Biological Sciences Research Council (BBSRC), member, network group, Genes and Developmental Biology Committee (2000-2002)
- Dynamic Earth Science Centre, Edinburgh, Member of Scientific Advisory Board (2000-2002)
- Global Invasive Species Program Evaluation - Experts consultation (2002)
- International Union for the Conservation of Nature (IUCN), feasibility study for an invasive plant database (1987)
- International Union for the Conservation of Nature (IUCN), member, Species Survival Commission Pteridophyte Specialist group.
- International Union for the Conservation of Nature (IUCN), member, SSC Aliens Specialist group.
- Natural Environment Research Council (NERC), Terrestrial grant panel (2001-2002)
- NGO Forum for Conservation in Dependent Territories, member, St Helena Working Group
- Oxford University Press, Botanical Consultant, New Oxford English Dictionary (1988-2000)
- World Wide Fund for Nature (WWF) Report on plant genetic resources of Socotra (1985)
- World Wide Fund for Nature (WWF), Report and manual on invasive plants (1990-1995)

Symposium/conference organization

- Edinburgh Centre for Molecular Plant Conservation (annual meeting), Edinburgh, 1998
 - Developmental Genetics and Plant Evolution (international Conference) London, 2000.
 - Plant Adaptation: molecular genetics and ecology (international conference) Vancouver, 2002.
 - Plant Phylogeny and the Origin of the Major Biomes (Royal Society Discussion Meeting) London, 2004.
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GRADUATE STUDENTS AND POST-DOCTORAL FELLOWS SUPERVISED

Julia Nowak (PhD) 2008-
Lai Lai (MSc) 2007-
Christine Woollacott (MSc) 2007-
Hannes Dempewolf (PhD) 2006- (with L. Rieseberg)
Isidro Ojeda (PhD) 2005-
Nyssa Temmel (PhD) 2004-
Dr Wang Chun-Neng (PDF) 2002-2004
Dr Richard Ree (PDF) 2002-2003
Dr G. Bramley (PhD) 2000-2003 (with M. Mendum)
Dr S. Neale (PhD) 2000-2005 (with P. Hollingsworth)
Dr H. Citerne (PhD) 2000-2003 (with T. Pennington)
Rebecca Oldham (M.Sc.) 2000
Dr C.J. Harrison (PhD) 1999-2002 (with A. Hudson)
Dr Michael Moeller (PDF) 1998-2000
Dr Helene Citerne (M.Sc.) 1999
Hanna Atkins (M.Sc.) 1999
Samson Gwali (M.Sc.) 1999
Dr Antonia Eastwood (PhD) 1998-2002 (with M. Gibby)
Dr Wang Chun-Neng (PhD) 1998-2003
Dr C. Jill Harrison (M.Sc.) 1998
Dr Marlina Ardiyani (PhD) 1997-2002 (with M. Newman)
Dr Jessada Denduangboripant (PhD) 1997-2001
Martha Clokie (M.Sc.) 1997
Dr Chatchai Ngambriabsakul (PhD) 1996-2001 (with M. Newman)
Dr Achariya Rangsiruji (PhD) 1996-1999 (with M. Newman)
Gordon Turner (M.Sc.) 1996
Dr James Richardson (PhD) 1995-1998 (with M. Chase)
Diana Percy (M.Sc.) 1995
Dr Rebecca Rowe (PhD) 1992-1995
Dr Doug Sheil (PhD) 1992-1995
Dr Jeanine Felfili (PhD) 1991-1994

INVITED LECTURES

Invited Departmental and Industry Presentations

Australian National University (2002)

Bristol University (2002)
Ceres Inc., Los Angeles (2000)
Duke University (2004, 2006 - Nescent seminar)
Glasgow University (1996)
Harvard University (2000)
James Cook University (2002)
Lund University (1993)
North Carolina State University, Department of Statistical Genetics (2006)
Royal Botanic Garden Edinburgh (1995, 1998, 1999)
Salk Institute, San Diego (1996)
St Andrews (1998, 2001)
Université de Neuchâtel, Switzerland (2004)
University of Amsterdam (1999)
University of British Columbia, Botany Department (2004)
University of British Columbia, EEB (2004)
University of California, Davis (2008)
University of Edinburgh, ICAPB (1996)
University of Edinburgh, ICMB (1995, 1996, 1998)
University of North Carolina, Chapel Hill (2005)
University of Ohio, Athens (2006)
University of Oxford (1992, 1994)
University of Texas, Austin (2008)
University of Washington, Seattle (2003)
Uppsala University (1993)

Invited Presentations to Symposia (selected)

1995 - Control of development in higher plants, Royal Society Discussion meeting, London
1995 - Diversity and Stability in Oceanic Islands, Danish Centre for Tropical Biodiversity, Copenhagen
1995 - Fields and boundaries in developing plants, Ciba Foundation, London
1995 - Institute of Chartered Foresters, University of Warwick (1995)
1995 - Potential Impacts of Climate Change on Tropical Forest Ecosystems, World Wildlife Fund (US), Puerto Rico
1995 - The evolution of plant architecture, Linnean Society, London
1996 - Celebrations of the Bicentenary of the Palermo Botanic Garden, Dipartimento di Scienze Botaniche, Palermo
1996 - Fauna and Flora of the Atlantic Islands, Universidad de Las Palmas de Gran Canaria, keynote address
1996 - Frank White Memorial Symposium, Oxford, 'The Ochlopecies Concept'
1997 - Advances in Molecular Systematics, Glasgow
1997 - Botanical Society of Scotland, Edinburgh
1997 - Botanical Society of Scotland, Glasgow
1997 - Eurogard97, the First European Botanic Garden Conference, Edinburgh
1997 - Systematics Association Biennial Conference, Oxford

1998 - Flora Malesiana Symposium, Kuala Lumpur
1999 - International Botanical Congress, St Louis, Missouri, 1999.
1999 - Tasks in comparative developmental biology, BBSRC workshop, University of Warwick
2000 - Developmental Genetics and Plant Evolution, London
2000 - Molecular Aspects of Evolutionary Change, Leiden
2003 - Vancouver Institute, Vancouver
2004 - NCCR Plant Survival, Neuchatel, Switzerland
2004 - Plant evolution and development, BSA meeting, Snowbird, Utah
2005 - 3rd Canadian Plant Genomics Workshop, plenary address, Saskatoon
2005 - Plant Canada, plenary lecture, Edmonton
2006 - Ontology and phylogeny, invited lecture, Danforth Plant Science Centre, St Louis.
2007 - Botany 2007, invited lecture, Chicago (*Answered and unanswered questions in plant evolution*)
2007 - Botany 2007, invited lecture, Chicago (*Dissecting legume petal identities: new insights from Lotus and the Loteae*)

GRANTS AWARDED

- CFI – NIF (2006-2011, Canadian University Biodiversity Consortium, for biodiversity infrastructure, *Total Amount: \$7,989,823 CDN, Co-investigators: Anne Bruneau (Principal Investigator), Sean Graham (co-ordinator)*)
- Canadian Heritage (2005-2008, John Davidson- the legacy of a Canadian botanist, website development for Virtual Museum of Canada Investment Program, *total amount: \$190,000 CDN, co-applicant: Daniel Mosquin*)
- NSF (2005 – 2006, New approaches to biological informatics, *sabbatarian fellowship funding: \$89,897 CDN*)
- NSERC (2003, Discovery Grant, *Populus* phylogenomics, \$325,000 CDN)
- BBSRC (2000, studentship award, G. Bramley, Evolution of *Cyrtandra* in SE Asia, \$79,944 CDN)
- Gatsby Charitable Fndn. (1998, studentship award, C.J. Harrison, Evolution of development systems in *Streptocarpus*, \$110,309 CDN)
- BBSRC (1998, CASE award, A. Eastwood, Conservation biology of the St Helena flora, \$98,567 CDN)
- Leverhulme Trust Grant (1996, *Streptocarpus* Research, \$109,014 CDN)
- Royal Society of London (1995, Overseas field research grant, travel and research in St Helena, \$5,784 CDN)
- Ministry of Agriculture, Fisheries and Food (1994, Development of Immunoassay for Gum-Arabic (*Acacia senegal*), with F.M. Dewey, \$311,146 CDN)

- English Nature (1994, population biology of *Apium repens*, \$1,930 CDN)
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SCIENTIFIC INTERESTS AND RESEARCH EXPERIENCE

Principal Scientific Interests

- **Evolution of Plant Development:** Developmental Evolution of the Gesneriaceae, Floral Symmetry in Leguminosae, Evolution of the TCP Gene Family
- **Genomics:** Adaptation genomics of *Populus* (poplars)
- **Oceanic Island Research:** Conservation biology of oceanic island floras
- **Systematics:** Flora of St Helena, Systematic immunochemistry of plant proteoglycans, Taxonomy of the Gesneriaceae, Taxonomy of Rhamnaceae, Molecular Phylogenetics of the Zingiberaceae

Main Scientific Collaborations Leading to Publication

- Andrew Hudson, University of Edinburgh (developmental genetics)
 - Enrico Coen, John Innes Centre (CYC genes)
 - F. Molly Dewey, University of Oxford (immunochemistry of gums)
 - James F. Smith, Boise State University (Gesneriaceae)
 - Loren Rieseberg, UBC (domestication of Compositae)
 - Mark Chase, RBG Kew (Rhamnaceae)
 - Michael Moller, RBG Edinburgh (Gesneriaceae)
 - Per Kjellbom, University of Lund (plant proteoglycans)
 - Pilar Cubas, University of Madrid (CYC genes)
 - Roger Pennell, Ceres Inc., Los Angeles (plant proteoglycans)
 - Toby Pennington, RBG Edinburgh (Leguminosae)
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MANAGEMENT, FUNDRAISING AND ADMINISTRATIVE EXPERIENCE

Institutional Directorship

- 2002 – 2008: Director, UBC Botanical Garden and Centre for Plant Research (BGCPR)

Fundraising

- 2002- 2008: Director, UBC Botanical Garden Development Programme

Programme Administration

- 1995-2002: Edinburgh, Project Organizer (joint with Dr T. Pennington and P. Wilkie), MSc course "Plant biodiversity and taxonomy".

Management of Staff (excluding laboratory group)

- 2002 - 2008: UBC (27), BGCPR
 - 1995 - 2002: RBG Edinburgh (2), management of Senior Scientific Officers as reporting and countersigning officer
 - 1994 – 1995: University of Oxford Herbarium (3)
 - 1989 - 1992: Corpus Christi College, Cambridge (1), Admission office
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TEACHING EXPERIENCE

Undergraduate and Postgraduate Courses Offered (selected)

- 2004-present: UBC - Guest lecturer, *Conservation biology* course (Zoology).
- 2007-present: UBC *Seed Plant Taxonomy* course (3rd year u/g)
- 2004: UBC - Guest lecturer, *Biogeography* course (Botany).
- 2002-present: UBC, occasional contributions, *Evolution discussion group* (EDG) (postgraduate)
- 1995-2002: Edinburgh - *Cladistics, homology and evolution* (MSc, 4th year u/g)
- 1995-2002: Edinburgh - *Plant ecology and diversity* (3rd year u/g)
- 1992-1995: Oxford - *Taxonomy and biogeography* (u/g, joint with R. Dawkins)
- 1992-1995: Oxford - *Diversity of green plants* (u/g)

Field Courses Offered

1995 - 2000: Inverness-shire/Galloway (University of Edinburgh Plant Science field course, run alternately in the highlands at Aviemore and Southerness Point in Galloway, joint with the late Dr Philip Smith and other members of staff)

1992 – 1994: Algarve, Portugal (University of Oxford Botany field course)

Reading parties

1995 – 2002 (annually): Edinburgh University (Firbush Point, Loch Tay, Plant Science Honours School reading party)

Other Tertiary-level Teaching and supervision

1995 - 2002: Diploma in Horticulture, RBG Edinburgh (Introduction to the horticulturally important plant families Gesneriaceae, Bignoniaceae, Acanthaceae and Scrophulariaceae)

2002-present: membership of graduate student supervisory committees (UBC): 5

Public Education and Outreach

2008: Mayne Island Integrated Water Systems Society, “Xeriscaping” (workshop)

2007: Vancouver, van Dusen Cedars public lecture, “Pawpaw pie and sassafras tea: bringing the Carolinian forest to Vancouver”

2007: Vancouver, UBC Botanical Garden public outreach course “Botany for Gardeners”

2005: Victoria, American Rhododendron Society silver jubilee meeting, keynote address “Rhododendron Obsession”

2005: Seattle Flower and Garden Show public lecture, “The thin green line”

2004: Vancouver, van Dusen Cedars public lecture, “Tropical islands”

2003: Vancouver Institute, public lecture “The thin green line”

2000-2003: Science Advisory Board, Dynamic Earth Science Centre, Edinburgh

2000: Edinburgh Science Festival, public lecture “Invasive plants”

Broadcasting

BBC World Service, 1986. Talk on the on Dragon's-Blood and the plants of Socotra.

BBC World Service, 1986. Talk on the on plant genetic resources and conservation in Mauritius.

FIELD EXPERIENCE OUTSIDE CONTINENTAL EUROPE AND NORTH AMERICA

- Ascension Island (Sept-Dec 1976)
- China, Yunnan (April 2003)
- Ecuador, Galapagos Islands (December, 2005)
- Environment Awards (1988-9)]
- French Polynesia, Tahiti and Moorea (1996/7)
- Indonesia, Sumatra (August 2000) [joint expedition with BIOTROP (Bogor) to collect Gesneriaceae]
- Madeira (July 1992)
- Malaysia (Borneo), Sabah - Mt Kinabalu (July 1998)[research on *Cyrtandra*]
- Mauritius (June-Sept 1985) [The Cambridge-Dublin Expedition to Mauritius (see: New Scientist 1528, 44-47) was short-listed for the Ford European
- Morocco, Anti-Atlas Mts (March 1999)[collecting DNA material for phylogenetic research]
- Philippines, Palawan (January-February 1998) [research on *Cyrtandra*]
- St Helena (Aug-Oct 1986)
- St Helena (Jan-March 1983)
- St Helena (January-March 1995) (see Percy and Cronk 1996)
- St Helena (November 1980)
- Yemen, Socotra (November 1985)

PUBLICATIONS

BOOKS authored and edited (6)

1. CRONK, Q.C.B. (forthcoming 2008) **Molecular Organography of Plants**. Oxford University Press (to be published).
2. CRONK, Q.C.B., Ree, R., Taylor, I.E.P. and Whitton, J. (eds). (2004). **Plant Adaptation: Ecology and Molecular Biology**. NRC Press, Ottawa.
3. CRONK, Q.C.B., R.M. Bateman and J.A. Hawkins (eds) (2002). **Developmental Genetics and Plant Evolution**. Taylor & Francis, London.
4. CRONK, Q.C.B. and Fuller, J.L. (2001). **Plantas Invasoras. La amenaza para los ecosistemas naturales**. Editorial Nordan, Uruguay. [Spanish edition of Cronk and Fuller, 1995].
5. CRONK, Q.C.B. (2000). **The Endemic Flora of St Helena**. Anthony Nelson Ltd, Oswestry [with plates painted by Leslie Ninnes].
6. CRONK, Q.C.B. and Fuller, J.L. (1995, reprinted 2000). **Invasive Plants: the threat to natural ecosystems worldwide**. WWF Plant Conservation Handbook No. 2., Chapman & Hall, London.

OTHER REFEREED PUBLICATIONS (106)

1. CRONK, QCB, Ojeda, I (2008) Bird-pollinated flowers in an evolutionary and molecular context. **Journal of Experimental Botany** (epub ahead of print)
2. Temmel, NA, Rai, HS, CRONK, QCB (2007). Sequence characterization of the putatively sex-linked Ssu72-like locus in willow and its homologue in poplar. **Canadian Journal of Botany- Revue Canadienne de Botanique** 85, 1092-1097
3. Reaser, JK, Meyerson, LA, CRONK, Q, De Poorter, M, Eldrege, LG, Green, E, Kairo, M, Latasi, P, Mack, RN, Mauremootoo, J, O'Dowd, D, Orapa, W, Sastroutomo, S, Saunders, A, Shine, C, Thrainsson, S, Vaiutu, L (2007) Ecological and socioeconomic impacts of invasive alien species in island ecosystems. **Environmental Conservation** 34, 98-111

4. Mabee, PM, Ashburner, M, CRONK, Q, Gkoutos, GV, Haendel, M, Segerdell, E, Mungall, C, Westerfield, M (2007) Phenotype ontologies: the bridge between genomics and evolution. **Trends in Ecology & Evolution** 22, 345-350
5. Denduangboripant, J, CRONK, QCB, Kokubugata, G, Moller, M. (2007) Variation and inheritance of nuclear ribosomal DNA clusters in *Streptocarpus* (Gesneriaceae) and their biological and phylogenetic implications. **International Journal of Plant Sciences** 168, 455-467
6. Whitton, J, CRONK, Q (2006) The origin of species - Genetics of speciation: American Genetics Association Annual Symposium, co-sponsored by Molecular Ecology, the University of British Columbia, Vancouver, Canada, 21-24 July 2006. **New Phytologist** 172, 390-392.
7. Tuskan, GA [and 109 other authors] (2006) The genome of black cottonwood, *Populus trichocarpa* (Torr. & Gray). **Science** 313, 1596-1604.
8. Citerne, HL, Pennington, RT, CRONK, QCB (2006) An apparent reversal in floral symmetry in the legume *Cadia* is a homeotic transformation. **Proceedings of the National Academy of Sciences of the United States of America** 103, 12017-12020.
9. CRONK, QCB (2006) Legume flowers bear fruit. **Proceedings of the National Academy of Sciences of The United States of America** 103, 4801-4802.
10. CRONK, Q, Ojeda, I, Pennington, RT (2006) Legume comparative genomics: progress in phylogenetics and phylogenomics. **Current Opinion in Plant Biology** 9, 99-103.
11. Gilchrist, E.J., Haughn, G.W., Ying, C.C., Otto, S.P., Zhuang, J., Cheung, D., Hamberger, B., Aboutorabi, F., Kalynyak, T., Johnson, L., Bohlmann, J., Ellis, B.E., Douglas, C.J. and CRONK, Q.C.B. (2006). Use of Ecotilling as an efficient SNP discovery tool to survey genetic variation in wild populations of *Populus trichocarpa*. **Molecular Ecology** 15, 1367-1378.
12. CRONK, Q.C.B., Kiehn, M., Wagner, W.L. and Smith, J.E. (2005). Evolution of *Cyrtandra* (Gesneriaceae) in the Pacific Ocean: The origin of a supertramp clade. **American Journal of Botany** 92, 1017-1024.
13. Chen, S.T., Guan, K.Y., Zhou, Z.K., Olmstead, R. and CRONK, Q.C.B. (2005) Molecular phylogeny of *Incarvillea* (Bignoniaceae) based on its and trnL-F sequences. **American Journal of Botany** 92, 625-633.
14. CRONK, QCB (2005) Plant eco-devo: the potential of poplar as a model organism. **New Phytologist**, 166 (1): 39-48
15. Harrison, J., Möller, M., Langdale, J., CRONK, Q.C.B. and Hudson, A. (2005) The role of KNOX genes in the evolution of morphological novelty in *Streptocarpus*. **Plant Cell** 17, 430-443.

16. Ireland, H.E., Clutterbuck, A., Cloquet, J.P., Thurston, M.I., Williams, P.A., CRONK, Q.C.B., Dewey, F.M., and Williams, J.H.H. (2004). The development of immunoassays to identify and quantify species source of gum arabic. **Journal of Agricultural and Food Chemistry** 52, 7804-7808.
17. Pennington, R.T., CRONK, Q.C.B. and Richardson, J.A. (2004). Introduction and synthesis: Plant phylogeny and the origin of major biomes. **Philosophical Transactions of the Royal Society of London, Ser. B, Biological Sciences** 359, 1455-64.
18. CRONK, Q.C.B. (2004). The new science of adaptation: an introduction. Chapter 1 in: Q.C.B. CRONK, R. Ree, I.E.P Taylor and J. Whitton. **Plant Adaptation: Ecology and Molecular Biology**. NRC Press, Ottawa.
19. Graham, S.W. and CRONK, Q.C.B. (2004). The imbalanced supertree of flowering-plant phylogeny. **Genome Biology** 5, Art. No. 236.
20. Wang C.-N., Möller M. and CRONK, Q.C.B. (2004). Phylogenetic position of *Titanotrichum oldhamii* (Gesneriaceae) inferred from four different gene regions. **Systematic Botany** 29, 407-418.
21. Wang, C.-N., Möller, M., and CRONK, Q.C.B. (2004). Aspects of sexual failure in the reproductive processes of a rare bulbiferous plant, *Titanotrichum oldhamii* (Gesneriaceae), in subtropical Asia. **Sexual Plant Reproduction** 17 (1): 23-31
22. Bramley, G.L.C., Weber, A., CRONK, Q.C.B. and Bokhari, M.H. (2004). The genus *Cyrtandra* (Gesneriaceae) in Peninsular Malaysia and Singapore. **Edinburgh Journal of Botany** 60, 331-360 (2003 publ. 2004).
23. Ngamriabsakul, C., Newman, M.F. and CRONK, Q.C.B. (2004). The phylogeny of tribe Zingibereae (Zingiberaceae) based on ITS (nrDNA) and trnL-F (cpDNA) sequences. **Edinburgh Journal of Botany** 60, 483-507 (2003 publ. 2004).
24. Eastwood, A., CRONK, Q.C.B., Vogel, J.C. and Hemp, A. (2004). Comparison of molecular and morphological data on St Helena: *Elaphoglossum*. **Plant Systematics and Evolution** 245, 93-106.
25. Eastwood, A., Vogel, J., Gibby, M. and CRONK, Q.C.B. (2004). Relationships and genetic diversity of endemic *Elaphoglossum* from St Helena. **Plant Systematics and Evolution** 245, 107-118.
26. Wang, C.-N., Möller, M. and CRONK, Q.C.B. (2004). Altered expression of GFLO, the Gesneriaceae homologue of FLORICAULA/LEAFY, is associated with the transition to bulbil formation in *Titanotrichum oldhamii*. **Development, Genes and Evolution** 214, 122-127.

27. Ree, R.H., Citerne, H.L., Lavin, M. and CRONK, Q.C.B. (2004). Heterogeneous selection on LEGCYC paralogs in relation to flower morphology and the phylogeny of *Lupinus* (Leguminosae). **Molecular Biology and Evolution** 21, 321-331.
28. Percy, D.M., Page, R.D.M. and CRONK, Q.C.B. (2004). Plant-insect interactions: Double-dating associated insect and plant lineages reveals asynchronous radiations. **Systematic Biology** 53, 120-127.
29. Wang, C.-N., Möller, M. and CRONK, Q.C.B. (2004). Population genetic structure of *Titanotrichum oldhamii* (Gesneriaceae), a subtropical bulbiferous plant with mixed sexual and asexual reproduction. **Annals of Botany** 93, 201-209.
30. Eastwood, A., Gibby, M. and CRONK, Q.C.B. (2004). Evolution of St Helena arborescent Astereae (Asteraceae): relationships of the genera *Commidendrum* and *Melanodendron*. **Botanical Journal Of The Linnean Society** 144, 69-83.
31. CRONK, Q.C.B. (2004). L-A Dode on poplar: a commentary on the "Extraits d'une Monographie inédite du Genre *Populus*" (1905). **Davidsonia** 15, 87-97.
32. Bramley, G.L.C., Pennington, R.T., Zakaria R., Tjitrosoedirdjo, S.S. and CRONK, Q.C.B. (2004). Assembly of tropical plant diversity on a local scale: *Cyrtandra* (Gesneriaceae) on Mount Kerinci, Sumatra. **Biological Journal Of The Linnean Society** 81, 49-62.
33. Wang, C.-N. and CRONK, Q.C.B. (2003). Meristem fate and bulbil formation in *Titanotrichum* (Gesneriaceae). **American Journal of Botany** 90, 1696-1707.
34. Bramley, G.L.C. and CRONK, Q.C.B. (2003). The *Cyrtandra* (Gesneriaceae) species of Mount Kerinci, Sumatra. **Harvard Papers in Botany** 7, 407-421.
35. Citerne, H.L., Luo, D., Pennington, R.T., Coen, E. and CRONK, Q.C.B. (2003). A phylogenomic investigation of CYCLOIDEA-like TCP genes in the Leguminosae. **Plant Physiology** 131, 1042-1053.
36. Richardson, J.E., Fay, M.F., CRONK, Q.C.B. and Chase, M.W. (2003). Species delimitation and the origin of populations in island representatives of *Phyllica* (Rhamnaceae). **Evolution** 57, 816-827.
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