



# PALMS 2010

## Biology of the Palm family

International Symposium  
5-7 May 2010  
Le Corum  
Montpellier, France

Updated Program



## Wednesday 5 May 2010 - Morning

8:15-9:00 - Registration

9:00 - Opening session

Welcome address: Anne-Yvonne Le Dain, Deputy-President, Languedoc-Roussillon Regional Assembly

Welcome address: Etienne Hainzelin, Director of Research and Strategy, CIRAD

Welcome address: Anne Coudrain, Deputy Director, Montpellier Research Centre, IRD

Welcome address: Alain Rival, PALMS2010 Organising Committee

<b>PLENARY SESSION I: PALM DIVERSITY AND TAXONOMY</b> <i>(Chairperson: James Tregear, IRD)</i>		
9:30	<b>Francis Hallé</b> Université Montpellier II, France	Structural diversity in palms, a record- breaking family
10:00	<b>John Dransfield</b> Royal Botanic Gardens, Kew, United Kingdom	How many palms are there?
<b>10:30-11:00 - Coffee break</b>		
11:00	<b>Andrew Henderson</b> New York Botanical Garden, USA	The Palm Flora of Vietnam and its relation to the Palm Floras of Indo-Burma and Sundaland
11:30	<b>William Baker</b> Royal Botanic Gardens, Kew, United Kingdom	Palm diversification in the Indo-Pacific

12:00-14:00 - Lunch break

## Wednesday 5 May 2010 - Afternoon

CONCURRENT SESSION Ia: MEDITERRANEAN PALMS (Chairperson : Jean-Christophe Pintaud, IRD)			CONCURRENT SESSION Ib: BIOTECHNOLOGY, GENOMICS AND AGRONOMY (Chairperson: Frédérique Aberlenc-Bertossi, IRD)	
14:00	<b>Robert Castellana</b> CRP, Le Cannet, France	Distribution and ecology of <i>Phoenix theophrasti</i> in the Aegean region	<b>Yuval Cohen</b> Volcani Research Center, Israël	Somaclonal variation in date palms: from genetic markers to candidate genes and transcriptome analyses
14:20	<b>L. Cornara</b> Università degli Studi di Genova Italy	Distribution, ecology and anatomico-structural characteristics of <i>Chamaerops humilis</i> L. (Palmae) in Italy	<b>Faiza Masmoudi</b> Faculty of Sciences of Sfax, Tunisia	Biotechnology, floral bisexuality and sex expression mechanism in date palm
14:40	<b>Pedro Sosa</b> Univ Las Palmas de Gran Canaria, Spain	Current state, perspectives and threats of <i>Phoenix canariensis</i> (Arecaceae) in the Canary Islands	<b>James Tregear</b> IRD, Montpellier France	Environmental regulation of sex determination in oil palm
15:00	<b>Nadia Bouguedoura</b> USTHB Alger, Algeria	The date palm ( <i>Phoenix dactylifera</i> L.) in Algeria	<b>Ahmed Qaddoury</b> Faculty of Science and Technology, Morocco	Effect of arbuscular mycorrhizal fungi on date palm response to water deficit
<b>15:20-15:40 - Coffee break</b>				
15:40	<b>Muriel Gros-Balthazard</b> Univ. Montpellier II France	A combined morphometric and genetic approach of the domestication history and agrobiodiversity of the date palm ( <i>Phoenix dactylifera</i> L.)	<b>Isabelle Mialet-Serra</b> CIRAD, Montpellier, France	<i>In situ</i> starch localisation in <i>Cocos nucifera</i> L. and <i>Elaeis guineensis</i> Jacq
16:00	<b>Mokhtar TRIFI</b> University El Manar Tunis, Tunisia	Implication of the molecular markers in the the Tunisian date-palm germplasm: genetic diversity fingerprinting and conservation.	<b>Lotfi Fki</b> Faculty of Sciences Sfax, Tunisia	Establishment of <i>in vitro</i> multiple bud cultures and plant regeneration in <i>Phoenix dactylifera</i> cv Barhee
16:20	<b>Susi Gomez</b> INRA/Estación Phoenix, Elche, Spain	The red palm weevil, a devastating pest in the Mediterranean area	<b>Sukendah</b> UPN "Veteran" University, Indonesia	<i>In vitro</i> propagation of kopyor coconut by excising of zygotic embryo explant and somatic embryogenesis
16:40	<b>Mansoor Hameed</b> Univ. Agriculture, Faisalabad, Pakistan	Adaptative significance of structural variation in the leaf and root anatomy of some <i>Phoenix</i> L. species from Punjab, Pakistan	<b>Mounir Bellaj</b> FAO, Saudi Arabia	Assessment of the mechanical pollination on date palm ( <i>Phoenix dactylifera</i> L.) Khalas and Shaishee cultivars

## Thursday 6 May 2010 - Morning

<b>PLENARY SESSION II: PALM STRUCTURAL BIOLOGY</b> <i>(Chairperson: Anders Barfod)</i>		
8:30	<b>Paula Rudall</b> Royal Botanic Gardens, Kew, United Kingdom	Palm flowers in a monocot context: insights from developmental and comparative morphology
9:00	<b>Fred Stauffer</b> Conservatory and Botanical Garden of Geneva, Switzerland	Palm floral structure, diversity and evolution
9:30	<b>Stefan Jouannic</b> IRD, Montpellier, France	Architecture and organogenesis in palms: the role of <i>KNOX</i> and <i>CUC</i> genes
<b>10:00-10:30: Coffee break</b>		
10:30	<b>Nick Rowe</b> CIRAD, Montpellier, France	How do climbing palms climb and why are they so long?
11:00	<b>Michel Ferry</b> INRA/Estación Phoenix, Elche, Spain	Phyllotaxis and leaf form in <i>Phoenix                      dactylifera</i>
11:30	<b>Jack Fisher</b> Fairchild Tropical Botanical Garden, Miami, USA	The beauty and significance of palm anatomy

*12:00-13:30 - Lunch Break*

**13:30-15:30 - Poster Session**

**16:00-17:30 - A guided visit of the "Jardin des Plantes", an unique historical garden embedded in the Medieval heart of the city, which was created in 1593 under the reign of King Henri IV!**

*19:00 - Conference dinner at the Château de Flaugergues*

Friday 7 May 2010 - Morning

<b>CONCURRENT SESSION IIa</b> <b>TAXONOMY AND BIOGEOGRAPHY</b> <i>(Chairperson: William J. Baker, RBG Kew)</i>			<b>CONCURRENT SESSION IIb</b> <b>Part 1: STRUCTURAL AND REPRODUCTIVE</b> <b>BIOLOGY</b> <i>(Chairperson: Stefan Jouannic, IRD)</i>	
9:00	<b>Christine Bacon</b> Colorado State University, USA	Recent advances in palm systematics and biogeography from <i>Trachycarpeae</i> and <i>Livistoninae</i> phylogenies	<b>Nesly Ortega Chávez</b> Conservatory and Botanical Garden of Geneva, Switzerland	A new interpretation for the acervulate unit and floral structure in the palm tribe <i>Chamaedoreeae</i> Drude ( <i>Areaceae: Arecoideae</i> )
9:20	<b>Christophe Girod</b> MNHN, Brunoy, France	Influence of past climate changes on the phylogeography of the palm <i>Astrocaryum sciophilum</i> in French Guiana	<b>Brigitte Frérot</b> INRA, Versailles, France	Pollination by deception in the oil palm
9:40	<b>Bee Gun</b> The Australian National University, Canberra, Australia	Coconut dissemination and genetic diversity	<b>Mikhail Romanov</b> Main Botanical Garden, Moscow, Russia	Fruit anatomy of <i>Lodoicea maldivica</i> (J.F. Gmel.)
10:00	<b>Donald Hodel</b> University of California, Los Angeles, USA	A summary of the phylogeny, taxonomy, distribution, ecology, and conservation status of <i>Balaka</i>	<b>Romain Thomas</b> MNHN Paris, France	Stem anatomy of palms : The <i>Coryphoidae</i> and some comparisons to other subfamilies
10:20	<b>Eiserhardt Wolf</b> Aarhus University Denmark	A robust and well-resolved phylogeny of Bactridinae ( <i>Areaceae</i> ) based on plastid and nuclear DNA sequences	<b>René Lecoustre</b> CIRAD, Montpellier, France	Modelling and simulating the architecture and growth of <i>Areaceae</i>
<b>10:40-11:00 - Coffee break</b>				

Friday 7 May 2010 - Morning (continued)

CONCURRENT SESSION IIa: TAXONOMY AND BIOGEOGRAPHY (Chairperson: William J. Baker, RBG Kew)			CONCURRENT SESSION IIb Part 2: ECOLOGY, USES AND CONSERVATION (Chairperson: John Dransfield, RBG Kew)	
11:00	Jean-Christophe Pintaud IRD Montpellier, France	Further evidence for the distinction of <i>Hexopetion</i> from <i>Astrocaryum</i> ( <i>Bactridinae</i> )	Mijoro Rakotoarinivo Royal Botanic Gardens, Kew - Madagascar Office	Using predictive mapping for palm species conservation in Madagascar
11:20	Helen Hipperson Imperial College, London, United Kingdom	Sympatric speciation in the endemic genus <i>Howea</i> on Lord Howe Island, Australia	Rodrigo Bernal Universidad Nacional de Colombia Bogota, Colombia	The EU FP7 funded PALMS project
11:40	Marco Ballardini CRA-FSO, Sanremo, Italy	Variation of a chloroplast minisatellite among <i>Phoenix</i> species ( <i>Arecaceae</i> ): implications for species identification	Roland Bourdeix Cirad, France	Regeneration of old coconut accessions in the international genebank for Africa and the Indian Ocean
12:00	Anne Blach Overgaard Aarhus University, Denmark	Determinants of the geographic ranges of African palm species - the relative roles of climate, habitat, human impact, and spatial constraints	Jean-Marie Kahindo Muhongya University of Kisangani, Congo	Ecology and distribution of rattan species in a tropical forest (Yoko Reserve, Democratic Republic of Congo)

12.30: Round Table on date palm genetic resources (Bioversity - IRD)

12:20-14:00: Lunch break

## Friday 7 May 2010 - Afternoon

<b>PLENARY SESSION III: PALMS, POPULATIONS AND INTERACTIONS</b> <i>(Chairperson: Alain Rival, Cirad)</i>		
14:00	<b>Anders Barfod</b> Univ. Aarhus, Denmark	Mechanisms of pollination in palms
14:30	<b>Michel Dollet</b> CIRAD Montpellier, France	Phloem-restricted parasites of palms. Focus on the coconut palm.
15:00	<b>Jens-Christian Svenning</b> Univ. Aarhus, Denmark	Patterns and determinants of palm distribution and diversity across spatial scales
<i>15:30-16:00: Coffee break</i>		
16:00	<b>Thomas Couvreur</b> The New York Botanical Garden, USA	Dating the palm tree of life
16:30	<b>William Baker</b> Royal Botanic Gardens, Kew, United Kingdom	Palms of the world on line. Web taxonomy <i>via</i> PalmWeb
17:00	General discussion	
17:25	Concluding remarks	
17:30	Closing of the Symposium	