




University of Bologna
Faculty of Agriculture
Dept. of Agroenvironmental Science and Technology

IN THE WAKE OF THE
DOUBLE HELIX 
FROM THE
GREEN REVOLUTION
TO THE
GENE REVOLUTION



BOLOGNA, ITALY • May 27 to 31, 2003

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Department of Agroenvironmental Science and Technology

SILVIERO SANSAVINI
Department of Fruit Tree and Woody Plant Science

INTERNATIONAL PATRONS

Global Forum on Agricultural Research (GFAR)
 European Plant Science Organization (EPSO)
 European Molecular Biology Organization (EMBO)
 European Federation for Biotechnology (EFB)
 Association of Applied Biologists (AAB)

NATIONAL PATRONS

Comitato Nazionale per la Biosicurezza e le Biotecnologie
 della Presidenza del Consiglio dei Ministri

Ministero dell'Istruzione, Università e Ricerca (MIUR)
 Progetto "150 anni della doppia elica" della Fondazione Adriano Buzzati-Traverso

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 Accademia Nazionale di Agricoltura

Federazione Italiana Scienze della Vita (FISV)
 Società Italiana di Genetica Agraria (SIGA)
 Società Italiana di Agronomia (SIA)
 Società Orticoltori Italiana (SOI)

Società Italiana di Fisiologia Vegetale (SIFV)
 Associazione di Ricercatori di Nutrizione ed Alimenti (ARNA)

Consorzio Interuniversitario per le Biotecnologie (CIB)
 Associazione Nazionale dei Biotecnologi Italiani (ANBI)
 Federazione Italiana Dottori in Agraria e Forestali (FIDAF)

Ente per le Nuove tecnologie, l'Energia e l'Ambiente (ENEA)
 Istituto Agronomico d'Oltremare (IAO)

REGISTRATION, INFORMATION, UPDATES

<http://www.avenuemedia.it/linkCONG/Green-Gene.html>

Fifty years after the discovery of the structure of DNA, our progress in manipulating genes and unravelling their functions has been enormous and the consequences, for better or for worse, far-reaching. In the past decades, the application of sound genetic principles coupled with modern agronomic practices have fuelled the green revolution, which brought food to millions of people in many developing countries. Yet, famine, malnutrition and poverty are far from being eradicated. Additionally, the application of the intensive agronomic practices which have made possible the green revolution are often incompatible with the long-term sustainability of the agricultural systems. Agro-biotechnology and the knowledge generated by basic research can provide innovative solutions for these problems.



This Conference will bring together the architects of the green revolution and a number of pioneers of modern plant biotechnology who have laid the foundations for the gene revolution and have mastered the tools to harness its potential. Cutting-edge technologies will be critically assessed for their value in identifying valuable alleles and in manipulating such alleles with indirect (e.g. marker-assisted selection) and/or direct (e.g. genetic engineering) approaches. The controversy surrounding transgenic crops is unprecedented, and the debate on the benefits and risks of GM crops remains unsettled. Wrong information and misunderstanding have sparked, particularly in Europe, deep concerns and irrational fears towards GMOs, with negative repercussions on the public's confidence toward the scientific community as well as on the advancement of research in this area. Speakers from different countries will illustrate the present status, opportunities and future perspectives of public and private research in plant biotechnology.

A number of panel discussions will provide ample opportunities for confronting different views and for debating to what extent in the future it may be possible to benefit from the merits of biotechnology while avoiding the shortcomings.

SESSION SPEAKERS

Pere Arús	Sue Mayer
Roger Beachy	Marc van Montagu
John Bennett	Michele Morgante
Jeff Bennetzen	Montserrat Pages
Eugenio Benvenuto	Andrew Paterson
Robert Bertram	Mario Pezzotti
Norman Borlaug	Ron Phillips
Steve Briggs	Enrico Porceddu
Willem Broekaert	Ingo Potrykus
Paul Christou	Calvin Qualset
Paddy Cunningham	Antoni Rafalski
Mike Gale	Francesco Salamini
Cesare Gessler	Silvio Salvi
Jim Giovannoni	G.T. Scarascia Mugnozza
Silvana Grandillo	Monkombu Swaminathan
Emanuel Guiderdoni	Mark Thomas
Perry Gustafson	Athanasios Tsafaris
Tim Helentjaris	Giampiero Valè
David James	Kurt Vandenberghe
Gurdev Khush	Rod Wing
Andrzej Kilian	Masahiro Yano
Maarten Koornneef	Mark Zabeau
Peter Langridge	Qifa Zhang
Miroslaw Maluszynski	

PANEL DISCUSSION DELEGATES

Ron Cantrell	Stefano Masini
Paolo De Castro	Mario Motto
Deborah Delmer	Alberto Piatti
Sergio Dompé	Prabhu Pingali
Gebisa Ejeta	Guglielmo Rizzoli
Dario Frisio	Maurizio Ronconi
Mike Gale	Ola Smith
Andreas Graner	Filippo Trifiletti
Emanuel Guiderdoni	Rod Wing
Daniel Kamanga	Robert Zeigler
Hoan Le	

PROGRAM

TUESDAY, MAY 27. *The British Council • Strada Maggiore, 19*
Walking tour of Bologna and welcome reception.

WEDNESDAY, MAY 28. *Faculty of Agriculture • Via Fanin, 44*

- Session 1. The green revolution: A view from its architects.
- Session 2. The contribution of mutants.
- Session 3. Harnessing the value of wild and cultivated germplasm.

THURSDAY, MAY 29. *Faculty of Agriculture • Via Fanin, 44*

- Session 4. Genome structure and applications of marker technologies in cereals.
- Session 5. Understanding and exploiting hybrid vigour in cereals.
- Session 6. Assigning functions to genes.

FRIDAY, MAY 30. *Faculty of Agriculture • Via Fanin, 44*

- Session 7. Biotechnology for food security and sustainability.
- Session 8. Transgenic crops for biofarming and human health.
- Session 9. Progress in genetics and breeding of fruit crops through biotechnology.

SATURDAY, MAY 31. *Sala Giorgio Prodi • Piazza San Giovanni in Monte, 2*

- Session 10. Plant biotechnology in the European Union.

PANEL DISCUSSIONS

- The green revolution: Achievements and shortcomings. (MAY 28)
- Initiatives in cereal genomics in the EU and the U.S. (MAY 29)
- A doubly green revolution: Only a mirage? (MAY 30)
- GMOs and the agrifood chain in Italy. (MAY 31)

GENERAL INFORMATION

REGISTRATION FEES

	before 30/4	after 30/4
Participant	€ 220,00	€ 250,00
Young scientist (under 35)	€ 160,00	€ 190,00

The registration fee includes:

- access to all sessions
- congress kit
- book of abstracts
- coffee breaks and 3 lunches

TOUR AND WELCOME RECEPTION

Tour of Bologna and welcome reception • May 27

Meeting point: the British Council, Strada Maggiore, 19 (Bologna centre).
A walking guided tour (3-6 p.m; English speaking guide) of the city of Bologna, to discover the monuments, churches and palaces of this ancient city, followed by a welcome reception (8-10 p.m.)

CONGRESS DINNER

Social dinner • May 30 € 45,00

A dinner in a typical restaurant of Bologna to taste the best of Italy's culinary arts.

TOURS (Minimum no. of participants: 15; English speaking guide)

MAY, 28 AT 9.00 A.M.

Archaeological museum of Bologna (half day) € 20,00
Guided tour to the Archaeological Museum of Bologna, with the most important exhibits of Etruscan, Egyptian and Roman people and art.

MAY, 29 AT 9.00 A.M.

Tour of Ravenna (full day) € 76,00
Bus transportation from Bologna to Ravenna and return. Guided tour of the byzantine city of Ravenna to discover an ancient world of churches, mosaics and abbeys. Lunch in a typical restaurant. Guided tour to "S. Apollinare in Classe", the most important abbey of Ravenna.

OR

The famous churches of Bologna (half day) € 20,00
Guided tour to the famous churches of Bologna: S. Petronio, S. Stefano, San Giacomo and San Martino.

MAY, 30 AT 9.00 A.M.

The collections of the University of Bologna (half day) € 20,00
Guided tour to the naturalistic collection of Poggi's Palace, the wax's Museum and tour of the oldest University in Europe.

GENERAL INFORMATION

METHOD OF PAYMENT

The registration fees are free of every charges or banking commission.
(NB: Please send the receipt or the copy of the cheque to the organising secretariat).

Specify participant's name and "Green-Gene" as reason for payment.

- Bank cheque "non-negotiable" in favor of Avenue Media
- Wire transfer
 - from Italy: Banca Popolare dell'Emilia Romagna, Bologna - Agenzia n° 7 current account n° 437531 in favor of Avenue Media S.r.l. ABI 5387 - CAB 02406
 - from EU: code IBAN: IT15V0538702406 000000 437531 - code BIC: BPMOIT22
 - from abroad: SWIFT BPMOIT22 - current account n° 437531
- Credit card directly on the web site www.avenuemedia.it or fill the special section on the registration form.

PROCEEDINGS

A volume of ca. 500 pages will include the contributions of the invited speakers. The volume (hard cover in colour) will be available in spring 2004 and will be offered at the discounted rate of € 50 (ca. US \$55 + shipping expenses) to those participants who wish to reserve it (see registration form; no advance deposit required).
Final cost may average € 75 (ca. US \$85 + shipping expenses).

ABSTRACTS

Deadline for poster abstracts: **April 30.**

Please follow the instructions below when writing the abstract:

- Font: Times New Roman
- Title: bold, 12 point-body, justify
- Author/s: 11 point-body, justify. Name of presenting author should be in CAPITAL and should be followed by the e-mail address in parentheses.
- Name and address of Institution/s: 11 point-body, justify
- Keywords: maximum 5
- Text: 11 point-body, justify
- Number of characters in the text (including spaces): maximum 3,500
- References should be included directly in the text as shown in the fac-simile (see web site)
- Send by e-mail: use RTF format and MS Word PC.

Send the abstract to: congressi@avenuemedia.it

POSTER

Poster size: 70 (width) x 100 (height) cm.

Faculty of Agriculture
Via Fanin, 40-50 • Bologna



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Arriving by train.

From the station, 10 minutes by taxi or
25 minutes by bus no. 35, to the last stop, CAAB stop
(see web site for more details).


Arriving by car.

From the A1 and A13 Motorways.
Follow signs for "Tangenziale - San Lazzaro direction".
Take exit 9 "San Donato". At the end of the ramp, at the traffic light,
turn left and proceed following CAAB signs.

Arriving by plane.

From the "G. Marconi" airport, 15 minutes by taxi.

Organizing Secretariat

 Avenue media®

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