

<u>CLAVE</u>	<u>DENOMINACION</u>
G	GERMINACION
HRB	HERBICIDAS
HT	HISTOLOGIA
LQ	LIQUENOLOGIA
MC	MICOLOGIA
MCA	MICROALGAS
MCR	MICORRIZAS
MF	MORFOGENESIS
MT	METABOLISMO
MTN	METABOLISMO DEL NITROGENO
MTBQF	METABOLISMO BIOQUIMICO FRUCTIFICACION
MTSC	METABOLISMO SECUNDARIO
NV	NUTRICION VEGETAL
PIGFTS	PIGMENTOS FOTOSINTETICOS
PLN	PALINOLOGIA
PTV	PROTECCION VEGETAL
PV	PRODUCTIVIDAD VEGETAL
PPV	PROPAGACION VEGETAL
QAG	QUIMICA AGRICOLA
QAL	QUIMICA DE ALIMENTOS
RH	RELACIONES HIDRICAS
SBV	SIMBIOSIS VEGETAL
SMV	SELECCION Y MEJORA VEGETAL
TR	TRANSPORTE
UEC	ULTRAESTRUCTURA CELULAR

# FEDERATION OF EUROPEAN SOCIETIES OF PLANT PHYSIOLOGY

**La definición de la FESPP, sus fines y funciones, se exponen según su propia expresión, aparecida en FESPP-Newsletter, n.º 1 de Diciembre de 1982.**

## **What is FESPP and what is its function?**

The Federation of European Societies of Plant Physiology, after several years of preliminary discussions, was formally founded in 1978, and 1500 plant physiologists from the following twenty countries are represented through their appropriate national society: Austria, Belgium, Bulgaria, Denmark, Finland, France, West Germany, Greece, Hungary, Israel, Italy, The Netherlands, Norway, Poland, Portugal, Spain, Sweden, Switzerland, United Kingdom and Yugoslavia.

The primary objective of the Federation is the promotion of plant physiology via meetings and discussions between plant physiologists, especially in Europe. Meetings are either in congress form or smaller special topic workshops for which some financial subvention is given. Congresses were held in Edinburgh (1978), Santiago de Compostela (1980) and the next is planned for Strasbourg (1984). There was a workshop on "*Light-Mediated Plant Development*" in 1981 and one on "*PEP Carboxylase in Plants*" will be held in 1983.

This is the inaugural issue of the Federation Newsletter which will appear three or four times a year, and other publishing activities are being considered. The first issue comprises a Directory of Membership, to be re-issued on average, every three years. Please inform your respective societies of any errors so that corrections can be incorporated in the next Directory.

The Council of the Federation consists of a Chairman (Professor H. Duranton), Secretary-General (Dr J. E. Dale), Treasurer-General (Dr H. Veen), Chairman of Publications Committee and Editor of FESPP Newsletter (Dr S. O. Falk), Chairman of Advanced Courses Committee (Professor P. Böger), Immediate Past Chairman (Professor R. Antoszewski), and one representative from each subscribing national society. The Council meets on the occasion of the Congresses, and the officers meet as an Executive Committee in alternate years.

To ensure inclusion in the next issue, advance notices concerning forthcoming conferences, workshops, etc. should be sent no later than *March 1983* to:

The Editor, FESPP Newsletter  
Dr S. O. Falk  
Botaniska Institutionen  
S-413 19 Gothenburg  
Sweden

## **Statutes of the Federation of European Societies of Plant Physiology (FESPP)**

### **1 Objects of the Federation**

The Federation is established for the public benefit to advance research, education and exchange of information in the science of plant physiology and to publish or arrange for the publication of the results of research in plant physiology.

For those purposes the Federation will

- a facilitate the exchange of scientific information between plant physiologists in general and European plant physiologists in particular by the holding of meetings and discussions and by other appropriate means.
- b arrange instructional courses on matters connected with plant physiology.
- c advance the exchange of scientists.

Since the aim of the Federation is to promote plant physiology and not to support personally the plant physiologists who are members of the Federation, the publications and other facilities provided by the Federation shall, so far as practicable, and subject to a reasonable charge, be made available also to persons who are not members.

### **2 Administration and membership**

- a The Federation shall consist of Societies of Plant Physiology or of plant physiology subgroups of other scientific societies in the European area (in the following referred to as Societies). All members of the Constituent Societies are ipso facto members of the Federation with equal privileges.
- b New admissions of Societies to membership of the Federation are to be decided by its Council, provided that the Society making the application has lodged full details and documentation of its activities with the Secretary General at least three months before the Council meeting.
- c The affairs of the Federation shall be conducted by a Council. The Council may empower a Constituent Society to act on its behalf.

- d Each Constituent Society shall nominate one delegate or a deputy to the Council of the Federation. On the Council there shall be only one vote per country. The delegate shall be reappointed bi-annually by the Constituent Society.
- e The Council shall appoint one of the Constituents to be the Host Society. The delegate to the Council of the Host Society shall, when present, act as Chairman of the Council and is in this Statute referred to as the Chairman.
- f At the time of the General Assembly the following officers shall be appointed:  
A Secretary General, a Treasurer, a Chairman of the Publications Committee and a Chairman of the Advanced Courses Committee. Each of these officers shall serve for a term of three years, but shall be eligible for re-appointment. None of these officers shall be a delegate for his Constituent Society. Each of these officers and also the immediate past Chairman shall be ex officio a full member of the Council with the right to vote.
- g Except as otherwise expressly provided by these Statutes, any matter to be decided by the Council shall be decided by a simple majority vote of those present. The voting shall take place at a meeting of the Council, provided that invitation and an agenda for the meeting has been communicated to the Constituents at least three weeks before the meeting.
- h The Council shall meet at each General Meeting of the Federation and at such other times as may be necessary.
- i Subject to the Council the administration of the Federation shall be vested in an Executive Committee consisting of the Chairman, the immediate past Chairman, the Secretary General, the Treasurer, the Chairman of the Advanced Courses Committee and the Chairman of the Publications Committee. They shall be empowered to act on behalf of the Council and to enter into contracts in the period between meetings of the Council.
- j Any Constituent Society is free to withdraw from the Federation at a meeting of the Council, provided notice of such a withdrawal has been communicated to the Chairman at least one month before the Council meeting.

### **3 Meetings of the Federation**

- a A General Assembly of the Federation shall be held at least every two years at a place chosen by the Host Society and approved by the Council. A General Assembly shall also be open to non-members.  
The General Assembly shall decide
  - a elections as specified in article 2, e and f
  - b accounts for the preceding period
  - c budget for the following period
  - d new admissions
  - e any other matter on the Agenda.Items should reach the Council at least two months in advance and be circulated to the Societies at least one month before the Assembly.  
Only accepted national delegates and officers have a voting right at the General Assembly. One half of the accepted voting numbers constitute a quorum.  
Extraordinary General Assembly can be called by the Chairman or six members of the Council at two months notice. At an extraordinary General Assembly only such matters can be decided which are specified on the Agenda. The members present constitute the quorum.
- b A General Assembly of the Federation shall provide opportunities for the presentation of original communications, discussions, demonstration of original communications, discussions, demonstrations and symposia. The detailed arrangements for the Assembly shall be at the entire discretion of the Host Society.
- c The financial arrangements for a Federation Assembly are the responsibility of the Host Society. Registration fees for those attending a General Assembly may be charged by the Host Society, and members of all Constituent Societies shall be charged on the same basis.

- d The Host Society of the General Assembly or of other meetings of the Federation is free to make its own arrangement with publishers as regards the publication of symposia or similar scientific activities.

#### **4 Exchange of Information**

- a Each Constituent Society shall send a nominated officer of all other Constituent Societies the same relevant circulars that it sends to its own members.
- b It shall be the duty of each Constituent Society to publish in an appropriate way the activities of the other Constituent Societies so as to encourage contacts between plant physiologists in the different European countries, and on request to circulate to its members information of the next Federation meeting.

#### **5 Attendance at Domestic Meetings**

Any member representative of the Federation may, on making proper application, be admitted to an open meeting of a Constituent Society other than his own, on the financial terms as a member of that Society, although permission to present a paper shall be at the discretion of the Society holding the meeting.

#### **6 Central Fund**

- a There shall be formed a central fund, composed of membership fees, royalties and other income. The membership fee for each Society shall be determined from time to time by the Council. The fund shall be applied only to further the objects of the Federation.
- b Members who are in arrears with more than two years' fees can be excluded by a two third's majority vote of the Council.

#### **7 Dissolution of the Federation**

The Federation and its Statutes may be dissolved at any time at a meeting of the Council at which two thirds of the delegates are present and at which there is two thirds affirmative majority vote in favour of the proposal. The proposal must be notified in writing to the Secretary General, at least three months before a Council Meeting. The Secretary General shall in turn notify all Constituent Societies of such proposals, at least two months before the Council Meeting. On the dissolution of the Federation any surplus assets of the Federation shall, in such manner as the Council may decide, be applied for charitable purposes in connection with the advancement of research and education in the science of plant physiology.

#### **8 Statutes of the Federation**

The Statutes of the Federation may be amended, deleted, or augmented at any Council Meeting by a two thirds affirmative majority vote, provided that at least two thirds of the delegates are present. Proposed changes must be notified in writing to the Secretary General, at least three months before a Council Meeting. The Secretary General shall, in turn, notify all Constituent Societies of such proposals at least two months before the Council Meeting.

#### **9 Location of Office**

The principal office of the Federation shall be situated in England and until otherwise decided by the Council shall be at the office of the Society for Experimental Biology in England.

#### **10 The law to apply**

The Federation shall be deemed to be an association governed by the Law of England and these Statutes shall be construed and operate in accordance with English Law.

# NOTICIAS DE LA SEFV.

## — Congresos y Reuniones de próxima celebración:

### 1984

- **4th CONGRESS OF THE FEDERATION OF EUROPEAN SOCIETIES OF PLANT PHYSIOLOGY.**  
29 July/3 August. Strasbourg. France.
- **8th EUROPEAN CONGRESS ON ELECTRON MICROSCOPY.**  
Budapest, Hungary 13-18 August 1984.
- **THE BIOCHEMISTRY OF PLANT PHENOLICS. AN INTERNATIONAL SYMPOSIUM.**  
University of Ghent, Belgium. August 28th to 31st. 1984. Inf: Prof. C. F. van Sumere.
- **3rd EUROPEAN CONGRESS OF BIOTECHNOLOGY.**  
Sept. Location undeter. (Dechema POB 970.146, Frankfurt-Main, D-6000, Fed. Rep. Germany).
- **3rd INT'L CONGRESS ON CELL BIOLOGY.**  
26-31 Aug., Tokio, Japan. (Secretariat 3rd Int'l Congress on Cell Biology, c/o Japan Convention Services, Inc., Nippon Press Ctr. Bldg, 2-1, 2-chome, Uchisaiwai-cho, Chiyoda-ku, Tokyo 100 Japan).
- **EUROPEAN DEVELOPMENTAL BIOLOGY CONGRESS.**  
2-8 Sept. Southampton, UK. (Dr. Mike Snow, MRC Mammalian Development Unit, Wolfson House, University College London, 4 Stephenson Way, London NW1 2HE, UK).
- **17th INTERNATIONAL CONGRESS OF ENTOMOLOGY.**  
18-26 Aug. Hamburg. Federal Republic of Germany. (Prof. L.A. Mound, British Museum (Natural History), Cromwell Rd., London SW7, U.K.).
- **FEMS MEETING.**  
Last week Jun. Salamanca, Spain. (Prof. J.R. Villanueva Faculty of Biology, Univ. of Salamanca, Spain).
- **7th INTERNATIONAL CONGRESS OF HISTOCHEMISTRY AND CYTOCHEMISTRY.**  
5-11 Aug. Helsinki, Finland. (Dr. K. Ogawa, Dept. of Anatomy, Kyoto University, Kyoto 606, Japan).
- **COMMISSION TROPICAL AND SUBTROPICAL HORTICULTURE VEGETABLE SYMPOSIUM.**  
Jan. or Feb., India. (Dr. B. Choudhury, Head, Div. of Veg. Crops and Floriculture, Indian Agric. Rest. Inst. New Delhi 110 012, India).

- **SYMPOSIUM ON WEED PROBLEMS IN THE MEDITERRANEAN AREA.**  
3-5 Abril. Oeiras. Portugal.
- **LOS REGULADORES DE CRECIMIENTO EN LA AGRICULTURA. XVI JORNADAS DE ESTUDIO.**  
Zaragoza. 9-11 Mayo.
- **VIIth COLLOQUIUM OF THE INTERNATIONAL ASSOCIATION FOR THE OPTIMIZATION OF PLAN NUTRITION.**  
Montpellier (France). 2-8 Septiembre.
- **SIXTH CONGRESS OF THE MEDITERRANEAN PHYTOPATHOLOGICAL UNION.**  
Alexandria. Egipt. October 1-6.
- **3rd WORLD SOYBEAN CONFERENCE.**  
Ames. Iowa, U.S.A. August 12-17. Information Dr. W.R. Fehr, Dept. of Agronomy, Iowa, State Univ., Iowa 50011. U.S.A.
- **3rd INTERNATIONAL SYMPOSIUM ON NITROGEN FIXATION WITH NON-LEGUMES.**  
Helsinki, Finland. September 2-8. Information: P. Uomala. Sitra Fin-Nif P.O. Box 329, SF-00.121, Helsinki, Finland.
- **16th CONGRESS OF THE FEDERATION OF EUROPEAN SOCIETIES OF PLANT BIOCHEMISTRY.**  
Moscú. Junio 25-30.
- **CONGRESO NACIONAL DE LA SOCIEDAD ESPAÑOLA DE BIOQUÍMICA.**  
Septiembre 1984. Islas Canarias.
- **10th INTERNATIONAL CONGRESS OF AGRICULTURAL ENGINEERING.**  
Budapešt. Hungria. September 3-11. Information: Gy. Szalai, CIGR Congress Coordinator, Comité Nacional Hongrois de la CIGR, Kossuth Lajos ter 6-8. IV. 425, H-1372 Budapest, V, Hungria.
- **BIO ENERGY 84.**  
Gothenburg, Suecia. Junio 18-21. P.O. Box 5222. S-402 24 Gothenburg, Suecia.
- **FIRST EUROPEAN SEMINAR ON GENETIC ENGINEERING TECHNIQUES.**  
18 y 19 Junio. Londres. Inf: Miss Helen Raquet. 56 Holborn Viaduct. London EC1. England.
- **THE ROLE OG CARBOHYDRATES IN CELLULAR RECOGNITION.**  
18-24 Marzo. Savoie, France. Prof. Monsigny. CBM-CNRS. 1 Rue Haute 54045. Orleans, Cedex. France.
- **25th INTERNATIONAL CONFERENCE ON THE BIOCHEMISTRY OF LIPIDS.**  
4 a 7 Septiembre. Antwerp (Bélgica). Inf: Prof. Dr. W. Dierick. University of Antwerp. B 2020. Antwerp, Belgium.
- **SYMPOSIUM ON POST-HARVEST HANDLING OF VEGETABLES.**  
Date undeter., Montreal, Canadá. (Prof. Dr. C.T. Phan, University of Montreal, C.P. 6128 Succursale A, Montreal, Quebec, Canadá).
- **SYMPOSIUM ON VEGETABLE QUALITY.**  
Date undeter. Aas-NLH, Norway. (H.J. Rosenfeld, Norwegian Food Et Res. Institute, P.O.B. 50, N 1432, Aas-NLH, Norway).
- **SYMPOSIUM ON PROPAGATION OF ORNAMENTAL PLANTS.**  
22-28 Feb. Melbourne, Australia. (W.F. Walker, 5 Primrose Place, Sandy Bay, Hobart, Tasmania 7005, Australia).
- **SYMPOSIUM ON PLASTIC IN MEDITERRANEAN COUNTRIES.**  
Feb., Tunisia. (Dr. A. Nisen, Chmn, Wkg. Group Plastics, Fac. des Sciences, 2 avenue de la Faculté, 5800 Gembloux, Belgium).
- **SYMPOSIUM ON HORTICULTURAL ECONOMICS.**  
End of Mar., Zaragoza, Spain. (Ir. W.G. de Haan, Ggri. Economic Research Inst., P.O.B. 29703, 2502 LS The Hague, Netherlands).
- **SYMPOSIUM ON SEED PRODUCTION OF VEGETABLES.**  
Apr., Geisenheim, FRG. (Dr. Kretschmer, Forchungsanstalt, Postfach 1180, 6222 Geisenheim/Rhein, FRG).
- **SYMPOSIUM ON GROWTH REGULATORS IN FLORICULTURE.**  
3rd wk. of Aug., Skieriewice, Poland. (Prof. Dr. R. Rudnicki, Res. Inst. of Pomology Et Floriculture, ul. Pomologiczna, 96-100 Skieriewice, Poland).

- **WORKING PARTY ON GREENHOUSE DESIGN.**  
(invitation only). Autumn, FRG. (Prof. C. von Zabeltz, Inst. für Technik in Gartenbau und Landwirtschaft, Haltenhoffstr. 101, 3000 Hannover 21, FRG).
- **SYMPORIUM ON HIGH DENSITY PLANTING ORCHARD SYSTEMS MANAGEMENT.**  
Date undeter Montpellier, France. (Dr. J. E. Jackson, Pomology Dept., East Malling Research Station, Maidstone, Kent ME 19 6BJ, U.K.).
- **SYMPORIUM ON WEED CONTROL.**  
Date undeter., East Malling, U.K. (Dr. D. Atkinson, East Malling Research Station, Maidstone, Kent ME19 6BJ, U.K.).
- **III CONGRESO NACIONAL DE FITOPATOLOGIA.**  
Tenerife. Octubre-Noviembre. Unidad de Protección Vegetal. Crida-11- INIA. Apartado 60. La Laguna. Tenerife.
- **SIXTH SYMPOSIUM ON VIRUS DISEASES OF ORNAMENTAL PLANTS.**  
Date undeter., Ithaca, NY, USA. (Dr. R.K. Horst, Dept. of Plant Pathology, Plant Sciences Bldg, Cornell Univ., Ithaca, NY 14853, U.S.A.).
- **SYMPORIUM ON URBAN PLANTS UNDER STRESS.**  
Date undeter., Western Europe. (Dr. D.W. Robinson, Hort. Et For. Div., The Agricultural Inst., Kinsale Res. Centre, Malahide Road, Dublin 5, Ireland).
- **SYMPORIUM ON TROPICAL FRUIT ET VEGETABLE RESEARCH.**  
1984/1985, Brisbane, Australia. (N.S. Kruger, Dir. of Horticulture, Dept. of Primary Industries Williams Street, Brisbane, Qld 4000, Australia).
- **8th INTERNATIONAL BIOPHYSICS CONGRESS**  
27 Aug.-4 Sept., Bristol, UK. (Dr. H.C. Watson, Dept. of Biochem., Medical School, The University, Univ. Walk, Bristol BS8 1TD, UK).
- **EUROPEAN DEVELOPMENTAL BIOLOGY CONGRESS**  
2-8 Sept. Southampton, UK. (Dr. Mike Snow, MRC Mammalian Development Unit, Wolfson House, University College London, 4 Stephenson Way, London NW1 2HE, UK).
- **17th INTERNATIONAL CONGRESS OF ENTOMOLOGY**  
18-26 Aug. Hamburg. Federal Republic of Germany. (Prof. L.A. Mound, British Museum (Natural History), Cromwell Rd., London SW7, U.K.).
- **WORKSHOP ON CHERRY ROOTSTOCK DEVELOPMENT**  
2-5 Jul., Grünberg, FRG. (Dr. H. Schmidt, BFA Gartenbauliche Pflanzenzüchtung, Bornkamps weg, 2070 Ahrensburg, FRG).
- **SYMPORIUM ON WAST ENERGY FOR GREENHOUSE HEATING**  
1984/1985, Montpellier, France. (A.E. Canham, Hort. Res. Lab., Shingield Grange, Cutbush Lane, Shinfield, Nr. Reading, Berks. RG2 9AD, U.K.).
- **SYMPORIUM ON TROPICAL FRUIT ET VEGETABLE RESEARCH**  
1984/1985, Brisbane, Australia. (N.S. Kruger, Dir. of Horticulture, Dept. of Primary Industries, Williams Street, Brisbane, Qld 4000, Australia).
- **SYMPORIUM ON PRODUCTION ET RESEARCH PROBLEMS OF HORTICULTURAL CROPS**  
1984/1985, Addis Ababa, Ethiopia. (Dr. S.N. Haile-Mariam, Head of Dept. of Hort. Develop., P.O.B. 5558, Addis Ababa, Ethiopia).
- **2nd INT'L PALAEOBOTANICAL CONFERENCE**  
18-24 Aug., Edmonton, Canadá. (Dr. R.A. Stockey, Dept. of Botany, University of Alberta, Edmonton, Alberta T6G 2E9, Canadá).
- **SIXTH INT'L PALYNNO-OGICAL CONFERENCE**  
24-30 Aug. Calgary, Canadá. (L. Kokoski, Conf. Office, Faculty of Cont. Ed., Education Tower Rm. 102, Univ. of Calgary, Calgary, Alberta, Canada T2N 1N4).

## 1985

- **13th INTERNATIONAL CONGRESS OF BIOCHEMISTRY.**  
Aug. Amsterdam, The Netherlands.

- **SYMPOSIUM ON TIMING OF FIELD PRODUCTION OF VEGETABLES.**  
Date undeter., Florida, USA. (Prof. D. Cantliffe, Dept. of Vegetable Crops, 1255 HS/PP Bldg., Inst. of Food Et Agric. Sciences, University of Florida, Gainesville, FL 32611, USA).
- **SYMPOSIUM ON WATER SUPPLY AND IRRIGATION FOR ALL HORTICULTURAL CROPS.**  
Date undeter., Padova, Italy. (Dr. C. Giulivo, Ist. di Coltivazioni Arboree, Univ. of Padova, Padova, Italy).
- **SYMPOSIUM ON MANAGEMENT TECHNICAL ET BIOLOGICAL PROBLEMS ON BIG SCALE GLASSHOUSES.**  
Spring, GDR. (Dr. D. Blanc, Stat. d'Agronomie et Physiologie Végétale, B.P. 78, 06602 Antibes, France).
- **SYMPOSIUM ON APRICOT CULTURE AND DECLINE.**  
Jul., Budapest, Hungary. (Prof. Dr. S.A. Paunovic, Univ. «Svetozar Markovic», Agronomski Fakultet, Cara Dusana 34, 32000 Cacak, Yugoslavia).
- **13th SYMPOSIUM ON FRUIT TREE VIRUS DISEASES.**  
Date undeter., Greece or France. (Dr. J. Dunez, Station Path. Végétale, Centre de Rech. de Bordeaux, La Grande-Ferrade, 33140 Pont-de-la-Maye, France).
- **4th SYMPOSIUM ON VIRUS DISEASES OF SMALL FRUITS**  
Date undeter., Greece or France. (Dr. A.F. Murant, Scottish Hortic. Res. Ist., Invergowrie, Dundee DD2 5DA, Scotland).
- **2nd SOUTH AMERICAN SYMPOSIUM ON FRUIT CROP RESEARCH ET DEVELOPMENT**  
Date undeter., South America. (Dr. D.C. Giagometti, Caixa Postal 10.2372, 70.000 Brailia, Brazil).
- **NUTRITIONAL SCIENCE GENERAL ASSEMBLY ET 13th INT'L CONGRESS OF NUTRITION**  
18-23 Aug. Brighton, UK. (IUNS, Dr. D.F. Hollingsworth, Sec-Gen. IUNS, c/o Inst. of Biology, 41 Queen's Gate, London SW75HU, UK),
- **SYSTEMATIC & EVOLUTIONARY BIOLOGY. ICSEB III**  
3-10 Jul. Univ. Sussex, near Brighton, UK. (Prof. C.B. Cox, Univ. of London, King's College, Zoology Dept., Strand London, WC2R2LS, UK).

## 1986

- **14th INT'L CONGRESS OF MICROBIOLOGY.**  
Aug., Manchester, U.K. (Prof. S. Glover Dept. of Genetics, Univ. of Newcastle, Ridley Blde, Newcastle-Upon-Tyne, NE1 7RU, U.K.).
- **SYMPOSIUM ON SEED PRODUCTION OF VEGETABLES.**  
Date undeter., Davis CA, U.S.A. (Dr. R.A.T. George, School of Bio. Sciences, Univ. of Bath, Claverton Down, Bath BA2 7AY, U.K.).
- **22nd INTERNATIONAL HORTICULTURAL CONGRESS.**  
11-20 Aug. Davis, Cal, USA. (Conf. Services, Memorial Union, 4th Floor, Univ. of California, Davis CA, 956116, USA).

## 1987

- **SYMPOSIUM ON PRODUCTION UNDER MEDITERRANEAN CONDITIONS.**  
Spring, Portugal. (Dr. D. Blanc, Stat. d'Agronomie et Phys. Végétale, B.P. 78, 06602 Antibes France.).
- **SYMPOSIUM ON MORE PROFITABLE USE ENERGY IN PROTECTED CULTIVATION.**  
Date undeter., Netherlands. (Dr. D. Blanc, Stat. d'Agronomie et Phys. Végétale, B.P. 78, 06602 Antibes, France).
- **SYMPOSIUM HORTICULTURAL ASPECTS OF CULTURE IN ARTIFICIAL MEDIA.**  
Date undeter., Ireland. (Dr. D. Blanc, Stat. d'Agronomie et Phys. Végétale B.P. 78, 06602 Antibes, France).
- **XIV INTERNATIONAL BOTANICAL CONGRESS. 24 Jul.-1 Aug., Berlin, FRG.**  
(Botanisches Museum Berlin-Dahlem, Königin-Luise-Str. 6-8, D-1000 Berlin 33 FRG).

## CURSOS DE EMBO

- «**Purification and crystallization of membrane proteins**». 19-29 Marzo. Martinsried. Info: Dr. H. Michel y Dr. M. Garavito. Max-Planck-Institut für Biochemie. 8033 Martinsried. FRG.
- «**Extracellular matrix proteins**». 5-12 Mayo. Martinsried. Info.: Dr. R. Timpl. Max-Planck-Institut für Biochemie. 8033 Martinsried. FRG.
- «**Bacterial taxis**». 11-23 Marzo. Regensburg. Info.: Prof. J. Lengeler y Dr. R. Schmitt. Lehrstuhl für Genetik der Universität. Universitätsstraße 31. 84 Regensburg. FRG.
- «**Preparation and use of antibodies against synthetic peptides**». 20-28 Agosto. Freiburg. Info.: Dr. K.H. Scheidtmann y Dr. G. Walter. Institut für Immunbiologie der Albert-Ludwigs-Universität. Stefan-Meier-Straße 8. 78 Freiburg. FRG.
- «**Higher plant protoplasts and somatic cell genetics**». 18-31 Marzo. Köln. Info.: Dr. O. Schieder y Dr. H. Lötz. Max-Planck-Institut für Züchtungsforschung (Erwin-Baur-Institut). Egelspfad. 5 Köln 30. FRG.
- «**Microinjection**». 8-13 Abril. Berlin. Info.: Prof. A. GräBmann. Freie Universität. Fachbereich Medizinische Grundlagenfächer WE3. Arnimallee 22. 1 Berlin 33. FRG.
- «**Chemical synthesis and biological application of DNA fragments**». 17-28 Septiembre. Braunschweig. Info.: Dr. H. Blöcker y Dr. H.-J. Fritz. GBF mbH. Mascheroder Weg 1. 33 Braunschweig. FRG.
- «**Physiology and microanatomy of the immune system**». 5-16 Noviembre. Basel. Info.: Dr. R. Gisler y Dr. F. Melchers. Basel Institute for Immunology. Grenzacherstraße 487. 4005 Basel. Switzerland.
- «**Injection, movement and expression of nucleic acids in Xenopus oocytes and embryos**». 10-20 Septiembre. Coventry. Info.: Dr. A. Colman y Prof. H. Woodland. Department of Biological Sciences. University of Warwick. Coventry CV4 7AL. England.
- «**Immuno-electron microscopy**». 23-28 Julio. Basel. Info.: Dr. J. Roth. Interdepartamentale Elektronenmikroskopie. Biozentrum der Universität. Klingelbergstraße 70. 4056 Basel. Switzerland.
- «**Molecular cloning and gene transfer in animal cells**». 6-17 Agosto. Uppsala. Info.: Dr. U. Pettersson y Dr. K. Nordström. Department of Medical Genetics. Biomedical Center. Box 589. 75123 Uppsala. Sweden.
- «**Molecular cloning**». 17-29 Septiembre. Athens. Info.: Dr. G. J. Dimitriadis. Biological Research Foundation. 48, Vass. Constantinou Avenue. Athens 501/1. Greece.
- «**Biotin-labeled DNA in molecular genetics**». 1.<sup>a</sup> semana de Noviembre. Paris. Info.: Dr. G. Bernardi y Dr. D. Ward. Laboratoire de Génétique Moléculaire. Institut Jacques Monod - Tour 43, 2 Place Jussieu. 75005 Paris Francia.
- «**Recombinant DNA techniques**». 5-18 Agosto. Lyngby. Info.: Dr. J. Collings y Prof. K. von Meyenburg. GBF mbH. Mascheroder Weg 1. 33 Braunschweig. FRG.

## CURSOS EMBO/EMBL

- «**Yeast genetics**». 1-15 Julio. EMBL Heidelberg. Info.: Dr. F. Lacroute y Dr. A. Hinzen. Laboratoire de Génétique Physiologique. IBMC, CNRS. 15 rue Descartes. 67084 Strasbourg-Cédex. France.
- «**Cell fractionation of tissue culture cells**». 28 Mayo a 7 Junio. EMBL Heidelberg. Info.: Dr. K. Howell y Dr. P. Quinn. European Molecular Biology Laboratory. Postfach 1022.09. 69 Heidelberg. FRG.
- «**Electron microscopy of frozer-hydrated spedimens**». 27 Agosto-1 Sept. EMBL Heidelberg. Info.: Dr. J. Guobochet. European Molecular Biology Laboratory. Postfach 1022.09. 69 Heidelberg. FRG.
- «**Site directed mutagenesis**». 13-22 Septiembre. EMBL Heidelberg. Info.: Dr. R. Cortese. European Molecular Biology Laboratory. Postfach 1022.09, 69 Heidelberg. FRG.
- «**Expression of proteins from cloned genes (cDNAs) in eukaryotic cells**». 30 Mayo-8 Junio EMBL Heidelberg. Info.: Dr. H. Garoff. European Molecular Biology Laboratory. Postfach 1022.09, 69 Heidelberg. FRG.

## LECTURE COURSES

- «**Genome Organization and function**» (co-sponsors NATO and FEBS) 38 Agosto-12 Septiembre. Spetsai. Info.: Prof. H.G. Zachau. Institut für Physiologische Chemie. Physikalische Biochemie und Zellbiologie der Universität. Goethestraße 33. 8 München 2. FRG.
- «**Molecular genetics of mammalian development**». 3-15 Septiembre. Pavia. Info.: Dr. G. Bulfield. Poultry Research Centre. Roslin. Midlothian EH25 9PS. England.

## Workshop EMBO 1984 - Programa provisional

- «**Plant mitochondrial DNA: Organization, information content and expression**». 21-25 Mayo. Melrose. Info.: Dr. C.J. Leaver and Dr. D. Lonsdale. Department of Botany. The King's Buildings. Mayfield Road. Edinburgh EH9 3JH. Scotland.
- «**Scrapie and related unconventional infections**». 1-6 Julio. Edinburgh. Info.: Dr. A.G. Dickinson. ARC E MRC Neuropathogenesis Unit. Ogston Building. West Mains Road. Edinburgh EH9 3JF. Scotland.
- «**Function, structure and genetics of prokaryotic and eukaryotic elongation factors**». 16-20 Julio. Grignon. Info.: Dr. A. Parmeggiani y Prof. L. Bosch. Laboratoire de Biochimie. Ecole Polytechnique. 91128 Palaiseau-Cedex. France.
- «**Regulation of the cell cycle in prokaryotes**». 10-14 Septiembre. Sede Boquer. Info.: Dr. A. Zaritsky y Dr. E. Ron. Department of Biology. Ben-Gurion University of the Negev. P.O. Box 653. 84105 Beer-Sheva. Israel.
- «**Protein folding**». 5-8 Agosto. Cambridge. Info.: Dr. T.E. Creighton. MRC Laboratory of Molecular Biology. MRC Centre. Hills Road. Cambridge CB2 2QH. England.
- «**Maximum-entropy methods in the X-ray phase problem**». 24-28 Abril. Orsay. Info.: Dr. G. Bricogne y Dr. V. Luzzati. LURE. Bâtiment 209 C. Université Paris Sud. 91405 Orsay. France.

- «**Molecular biology of plant viruses, viroids, virusoids and satellites**». 16-20 Julio. Strasbourg. Info.: Dr. L. Hirth y Dr. K. Richards. Institut de Biologie Moléculaire et Cellulaire du CNRS. 15 rue Descartes. 67084 Strasbourg-Cedex. France.
- «**Gene expression in filamentous fungi**». 17-19 Abril. Rhenen. Info.: Dr. K. van den Hondel y Dr. P. Pouwels. Medical Biological Laboratory. TNO. P.O. Box 45. 2280 AA Rijswijk. The Netherlands.
- «**Genetics of nervous system development**». 4 días en Septiembre. Simonswald. Info.: Prof. J. Campos-Ortega. Institut für Entwicklungsphysiologie der Universität. Gyrhofstraße 17. 5 Köln 41. FRG.
- «**Molecular basis of Rhizobium-plant interaction**». 4 días en Octubre. Naples. Info.: Dr. M. Iaccarino, Dr. M. Sacco y Dr. J. Beringer. International Institute of Genetics and Biophysics CNR. Via Marconi 10. 80125 Naples. Italy.
- «**Antimicrobial agents in higher plants**». 30 Septiembre-4 Octubre. Münstereifel. Info.: Prof. K. Hahlbrock. Max-Plack-Institut für Züchtungsforschung. Abt. Biochimie (Erwin-Baur-Institut). 5 Köln 30. FRG.
- «**Molecular and developmental biology of Drosophila**». 24-30 Junio. Crete. Info.: Dr. S. Artavanis-Tsakonas. Department of Biology. Yale University. P.O. Box 6666. New Haven. Conn. 06520. USA.
- «**Molecular biology of retinal proteins**». 10-14 Septiembre. Rottach-Egern. Info.: Prof. D. Oesterhelt. Max-Plank-Institut für Biochemie. Am Klopferspitz 18a. 8033 Martinsried. FRG.
- «**The idiotypic network 1984**». 20-23 Mayo. Florence. Info.: Prof. K. Rajewsky y Prof. P.-A. Cazenave. Institut für Genetik der Universität. Weyertal 121. 5 Köln 41. FRG.
- «**Protein-DNA interactions in bacteriophages**». 25-29 Junio. Salamanca. Info.: Dr. M. Salas. Centro de Biología Molecular. Facultad de Ciencias. Universidad Autónoma. Canto Blanco. Madrid 34. Spain.
- «**Soft rot Erwiniae**». 23-27 Julio. Marseille. Info.: Dr. A. Toussaint y Dr. J.-P. Chambost. Laboratoire de Génétique. Université Libre de Bruxelles. 67 rue des Chevaux. 1640 Rhode-ST.-Genèse. Belgium.

## EMBO-EMBL WORKSHOP

- «**Molecular approaches to Stem differentiation and mouse development**». 16-18 Mayo. EMBL Heidelberg. Info.: Dr. E. Wagner y Dr. P. Gruss. European Molecular Biology Laboratory. Postfach 1022.09. 69 Heidelberg. FRG.

**SOCIEDAD ESPAÑOLA DE FISIOLOGIA VEGETAL**  
**BOLETIN DE INSCRIPCION**

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Agencia ..... Calle/Plaza .....  
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Con cargo a mi cuenta corriente / libreta de ahorros n.<sup>o</sup> ..... sírvanse pagar, hasta nueva orden, los recibos que, en concepto de cuota anual, le sean presentados a mi nombre por la SOCIEDAD ESPAÑOLA DE FISIOLOGIA VEGETAL.  
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(e.g. Biogenesis of chloroplasts and mitochondria  
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Please return as soon as possible to the Secretary of your National Society.