

Neurogenesis

Neural Development and Plasticity

Organisers David Edgar, John Parnavelas, Marysia Placzek, Jack Price.

Invited Speakers

David Anderson (USA)
Yves Barde (Germany)
Heinrich Betz (Germany)
Tim Bliss (UK)
Verne Caviness (USA)
Jon Clarke (UK)
Jonathan Cooke (UK)
Colette Dehay (France)
Chris Doe (USA)
Pat Doherty (UK)
Carlos Dotti (Germany)
Magdalena Götz (UK)
Andreas Faissner (Germany)
Sarah Guthrie (UK)
Ernst Hafen (Switzerland)
Chris Henderson (France)
Phil Ingham (UK)
Ron McKay (USA)
Steve McMahon (UK)
Marina Mione (UK)
Marysia Placzek (UK)
Hermann Rohrer (Germany)
Martin Schwab (Switzerland)
Pat Simpson (France)
Gerd Technau (Germany)
Hans Thoenen (Germany)
Sam Weiss (Canada)
George Yancopoulos (USA)

For Further Information contact:

Professor John Parnavelas,
Department of Anatomy,
University College London,
Gower Street,
London, WC1E 6BT, UK.

Tel: 0171 387 7050
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BSDB/BRA/BSCB
Joint Autumn Meeting

13th.-15th. September 1995

University College London.

BSDB Newsletter

No. 31 SUMMER 1995

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Autumn Meeting 1995

**See Centre Section for
Registration and Abstract
Forms**

Chairman's Report

A landmark year for the BSDB: our membership has exceeded 1000. The 1000th member was Rob Barbosa from the Wellcome/CRC Institute, and he is to be presented with a special Memorial Hair Loop, made, and as used by, Jonathan Slack in his studies on inductive interactions in early *Xenopus* development. A gift to be treasured. The burgeoning size of the Society is a real increase that has occurred in spite of the cull by Secretaries and Treasurers past and present. This cull was to weed out those members who were still paying at the wrong subscription rate.

A few miscreants still remain, I'm afraid, and it has become necessary to take a hard line here: those of you who are not paying at the correct rate will receive one more warning and then be struck off!

The increase in membership is due in large part to the continuing excellence of our meetings. Details of future meetings can be found in the first few pages of

this Newsletter.

At the 1994 AGM Kate Storey made a request that graduate students be given the opportunity to give talks at the main Symposia, a request that received considerable support. I certainly think this is a good idea, and indeed in the old days that is exactly what happened (I well remember the trepidation before my first ever 'proper' talk at a BSDB meeting in Oxford in 1978). The main difficulty now lies in the fact that the BSDB meetings are so successful and high-profile, and there is a natural desire on the part of the meeting organisers to fill sessions with the most well-known speakers. At Spring meetings there is the added problem that audiences might drift out of a talk by a graduate student in favour of a parallel session featuring a few honchos. What we have done, then, is reach a compromise in which organisers are encouraged to select a few graduate student or post-doc poster abstracts for short (15 minutes) platform presentations. This hap-

pened at the Cell Motility meeting in Canterbury. We recognise, however, that this does not solve the problem completely, and so Richard Twyman and Paul Sharpe are investigating the possibility that the BSDB might support one-day regional developmental biology meetings for graduate students and post-docs only - a sort of developmental Club 18-30, if you like.

And on the subject of meetings, every Newsletter I have ever seen carries a request for suggestions for Symposia. I have been involved with the BSDB for many years, either as Publications Officer or now as Chairman, and I continue to be astonished by the fact that there are hardly any responses. What's wrong with you lot? We are offering you the opportunity to design your dream meeting, with plenty of money to fly in the speakers you have always wanted to hear (and to leave out the ones you don't want to hear, if you're that way inclined). It's much better than Fantasy Football because you get real money to pick your real dream team. So get in touch with Ian Jackson, the David Baddiel of the BSDB, and plan a meeting!

Three Officers retired from the Committee recently: Rosa Beddington, who was Meetings Secretary, Phil Ingham, Publi-

cations Officer, and Liz Jones, Treasurer. These are rewarding jobs (I don't want to put off the new incumbents!), but they involve a lot of time and work and energy. In spite of all their other commitments, Rosa, Phil and Liz contributed enormously to the BSDB, and we are very grateful to them for all they have done for the Society. The name at the bottom of this report reveals that Mike Akam is no longer Chairman of the BSDB; his term came to an end a year ago. The success of the BSDB, reflected by the increase in our numbers and by the continued high quality of our meetings, is due in large part to his efforts. I hope I can continue where he left off. Ian Jackson is taking over from Rosa and Vernon French from Phil. We thank them for taking on these tasks. We also welcome to the Committee Jonathan Bard, the new Treasurer, together with Paul Sharpe and Rosemary Akhurst and, elected at the last AGM, Daniel St Johnston, Liz Jones and Ottoline Leyser. The Committee members are always willing to receive advice from members as to how the BSDB can be improved, so do make use of them.

Jim Smith

GRADUATE STUDENT MEMBERS

One of the major functions of the BSDB is to help graduate students increase their experience and forge contacts with other scientists. Graduate students represent the future of developmental biology and the contribution they make to the society is therefore very significant. For this reason, it is vital that students have a means to communicate any suggestions, comments or complaints to those who make the decisions in the society. There is a graduate representa-

tive serving on the BSDB committee whose role is to provide such a forum. If you are a graduate student and you would like to bring any matter to the attention of the BSDB committee, you can contact

Richard Twyman (BSDB Graduate Rep.) at the Department of Biological Sciences, University of Warwick, Coventry, CV4 7AL. Telephone 01203 523 523 x2560. E-Mail RM@DNA.BIO.WARWICK.AC.UK

AUTUMN MEETING 1995

Neurogenesis: Neural Development and Plasticity

University College, London: September 13th - 15th

This is a joint BSDB/BRA/BSCB Meeting organised by David Edgar, John Parnavelas, Marysia Placzek and Jack Price.

Registration and Abstract forms can be found in the Centre Section of the Newsletter. Please note that the deadline for receipt of Abstracts is July 28th 1995.

13th September

Mechanisms Regulating Neural Development

Carlos Dotti (Germany)
Heinrich Betz (Germany)
Pat Doherty (UK)
Andreas Faissner (Germany)

Mechanisms Regulating Neuronal Plasticity

Martin Schwab (Switzerland)
Steve McMahon (UK)
Hans Thoenen (Germany)
Tim Bliss (UK)

14th September

Induction and Patterning

Marysia Placzek (UK)
Philip Ingham (UK)
Jonathan Cooke (UK)
Sarah Guthrie (UK)
Jon Clarke (UK)

Cell Fate Determination

Gerd Technau (Germany)
Chris Doe (USA)
Pat Simpson (France)
Ernst Hafen (Switzerland)
Magdalena Götz (UK)
Marina Mione (UK)

15th September

Control of Neurogenesis

Collette Dehay (France)
Verne Caviness (USA)
Ron McKay (USA)
David Anderson (USA)

Growth Factors in Neurogenesis

Sam Wiess (Canada)
Herman Roher
George Yancopoulos (USA)
Chris Henderson (France)
Yves Barde (Germany)

FUTURE BSDB MEETINGS

SPRING 1996: 'Regeneration, Growth and Pattern'

University of York

The control of cell fate and cell proliferation during post-embryonic development and regeneration has traditionally been a central concern of developmental biologists. This meeting, organised by Vernon French and Jonathan Slack, will examine the considerable recent progress in our understanding of the processes and molecular mechanisms involved, and will cover a wide range of developing systems in vertebrates, invertebrates and plants.

Speakers:

J. Ansell (Edinburgh)
H. Bode (Irvine)
J. Brockes (London)
P. Bryant (Irvine)
S. Bryant (Irvine)
S. Carroll (Madison)

S. Cohen (Heidelberg)
L. Dolan (Norwich)
G. Eguchi (Okazaki)
P. Ferretti (London)
S. Hake (Berkeley)
A. Hudson (Edinburgh)
P. Ingham (London)
M. Jerka-Dziadosz (Warsaw)
M. Maden (London)
A. Martinez-Ariás (Cambridge)
G. Michalopoulos (Pittsburgh)
P. Raymond (Ann Arbor)
E. Salo (Barcelona)
V. Schmid (Basel)
J. Slack (Bath)
D. Winton (Cambridge)

Further information including a full programme and registration details will appear in the next edition of the Newsletter.

Autumn 1996: 30 Years of Positional Information

University of Bath

The speakers at this meeting, organised by Jim Smith and Cheryl Tickle, will reflect the origins of this central concept in developmental biology and the recent

spectacular advances in understanding its molecular basis. Further details will appear in subsequent issues of the Newsletter.

OTHER MEETINGS OF INTEREST

Becton-Dickinson Symposium on Extracellular Matrix Interactions Oxford, 2nd October 1995

Speakers at this one day meeting will include Tom Parsons and Don Ingber.

For more information, contact Dr. Fiona Watt (Fax: 0171 269 3078)

Cancer Research Campaign/Beatson International Cancer Conference
Stem Cells in Development and Cancer
Sunday 20th August - Wednesday 23rd August 1995

Keynote speaker: P. A. Lawrence

Haemopoietic Stem Cells:

A. Bernstein, E. Dzierzak, T. Graf,
G. Keller, I. Weissman

Stem Cells and Developmental Systems:

J. Gurdon, J. Kimble, M. Raff, J. Smith, C. Wyllie

Epithelial Stem Cells:

J. Grisham, R. Lavker, C. Potten,
L. Reid, F. Watt, D. Winton

ES Cells and Transgenesis:

A. Bradley, A. Dunn, R. Jaenisch,
R. Krumlauf, E. Wagner

Therapeutic Manipulation of Stem Cells:

M. Blaese, H. Heslop, S. Clark,
W. Ostertag, D. Porteous

Please note that although the official deadline for registration for this meeting has passed, there are still a few places available. For information contact:

Tricia Wheeler,
Conference Coordinator,
Beatson Institute for Cancer Research,
Garscube Estate, Switchback
Road, Bearsden, Glasgow G61 1BD,
Tel: 0141-942-9361 Fax: 0141-942-6521.

Genetical Society of Great Britain One Day Meeting
"*C. elegans*: A worm for all reasons"
University College, London. 11th November 1995

J. Hodgkin (Cambridge)	Introduction
J. Sulston (Cambridge)	The genome and its total sequence
R. Plasterk (Amsterdam)	Reverse genetics and transposons
C. Kenyon (San Francisco)	Patterning, behavioral adaptation and lifespan
V. Ambros (Dartmouth)	Developmental timing and regulatory RNA
M. Hengartner (Cold Spring Harbor)	Programmed cell death
M. Chalfie (New York)	Mechanoreception and neuronal degeneration
C. Bargmann (San Francisco)	Genetic and neural basis of olfaction

For further information contact the organiser, **Dr. J. Hodgkin, M.R.C. Laboratory of Molecular Biology, Hills Road, CAMBRIDGE CB2 2QH Fax: 01223 412142**

European Tissue Culture Society
ES Cells: Propagation, Differentiation and Genetic Manipulation
Edinburgh, 18th December 1995

For further information about this Workshop, contact:

Dr. A. Smith, Centre for Genome Research,
King's Buildings, West Mains
Road, Edinburgh.
Fax: 0131 667 0164

TOPICS FOR FUTURE SOCIETY MEETINGS

One of the major tasks of the BSDB Committee is to select topics for future meetings and ensure that these meetings take place. It is obviously important that we organise meetings that will be supported by the members of the Society and we therefore always welcome sug-

gestions for future topics. If you have an original idea for either a major Spring Symposium or a smaller two day Autumn meeting, please get in touch with the meetings secretary, Ian Jackson at the address shown on page 10.

BSDB TRAVEL GRANTS

The Committee of the Society has decided to increase the funds available to support travel by postgraduate or post-doctoral members to attend not only meetings but also workshops and practical courses.

To apply for a travel grant, members should write to the treasurer giving details of the proposed visit and the breakdown of the amount of money requested (see Note 1). They should enclose with their application a letter of support from their supervisor or laboratory head and, if appropriate, the abstract of the poster or talk they intend to present.

Please Note:

1. BSDB travel grants are for travel at the lowest rate (student or 2nd class ticket), conference fees and accommo-

dation, but not conference dinners. Where possible, the whole amount will be covered but, if demand is too high, a contribution may be given.

2. Applications will be grouped and reviewed at the end of each month, so members should apply 2-3 months before they need the grant.

3. No application for refunding money already spent will be considered.

4. No more than three people from one lab will be supported for any one meeting.

5. Only applications from members will be considered.

**Jonathan Bard,
Treasurer**

Louie Hamilton Fund

Louie Hamilton, the distinguished developmental biologist who was herself disabled in the latter part of her life, left a bequest to the Society with the intention

that the interest should provide travel support for members who are disabled. Applicants who qualify for this fund should contact the Treasurer.

CENTRE SECTION

This 'Centre Section' is designed to be removed without damaging the rest of the Newsletter. It contains a form for subscribing to **Development** (below), a membership application and banker's order form, a subscription amendment form and Registration and Abstract forms for the Autumn Meeting at University College London.

D e v e l o p m e n t

Members of the BSDB are entitled to a £10 reduction in the subscription price to **Development**. The cost to non-members is £140 but for members it is only £130. This price includes the casebound Supplement volume which for 1995 will be the proceedings of the "Cell Migration: the Basis of Morphogenesis" Symposium.

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To: **Development**
The Company of Biologists Ltd.,
Bidder Building,
140, Cowley Road,
Cambridge,
CB4 4DL
U.K.

Please enter my subscription to **Development** for 1995. I undertake not to pass my subscription copies on to a library. I enclose a cheque for £130 made payable to "The Company of Biologists Ltd".

Signature:

Name:

Address:

.....

.....

Other COB Journals, including BioEssays, the Journal of Cell Science and the Journal of Experimental Biology, are also available at reduced rates. JCS is £99, JEB is £99 and BioEssays is only £60. To subscribe, write to the above address with your cheque and a signed undertaking that you will not pass your individual copy on to a library.

APPLICATION FOR BSDB MEMBERSHIP

Full Name: Title: Degree(s):

Professional Address:
.....
.....
..... Post Code:

Research Interests:

I wish to apply for Ordinary (£20)/ student (£7.50) membership of the Society (delete as applicable)
Applications must be endorsed by two Society members who should sign below:

.....(Print Name):

.....(Print Name):

Please return this form, together with the completed Banker's Order (below) to the Society Secretary:

**Prof. J.M.W. Slack, School of Biology and Biochemistry, South
Building, University of Bath, Bath BA2 7AY.**

For Society's Use

Acknowledged: Mailing List:

To: The Manager,
.....Bank
.....
.....
.....Post Code:

Please pay to the **British Society for Developmental Biology**
Account no: 80867675
Barclays Bank plc,
P.O. Box No. 4BP,
Liberty House, 212 Regent Street,
LONDON W1A 4BP

the sum of £ (..... pounds) on October 1st 1995 and on the same
day each year succeeding unless this instruction is altered in writing by me. **This
instruction replaces any previous instruction of payment to the British
Society of Developmental Biology, which should be cancelled.**

Signature: Account No:
Name*: Date:
Address:
.....
..... Post Code:

* as shown on cheque book

**BSDB/BRA/BSCB Autumn Meeting : University College London
13th - 15th. September 1995**

REGISTRATION FORM

Name Prof/Dr/Mr/Ms _____

Address _____

Phone/Fax _____

The site of the meeting is the Windeyer Building, University College London.

Registration covers all three days of the meeting and includes programme and abstracts, lunches and light refreshments.

Accommodation will be in Astor College, adjacent to the Meeting Hall. Price includes Bed and Breakfast.

The **Banquet** will take place on Thursday 14th in the Upper Refectory, University College London.

A few **junior scientists**, PhD. student or post-doc., will be chosen by the organisers on the basis of their submitted abstracts to make oral presentations. Those wishing to be considered should tick the box below.

Junior Scientist Presentation ☐

Registration Fees

Society member £65

Non-member £80

Student £55

Reduced registration for students requires evidence of status submitted with this form.

	Tues 12th	Wed 13th	Thurs 14th	Fri 15th	Total
Accommodation £16 / night					
		Banquet £20			
				Registration Fee	
				TOTAL	

Cheques or foreign bank drafts in sterling should be made payable to 'BRA Neurogenesis'

To register submit - this form

- payment in full

- abstract form (if applicable)

- proof of student status (if applicable)

**TO: Professor John Parnavelas, Department of Anatomy and Developmental Biology,
University College London, Gower Street, London, WC1E 6BT, UK.**

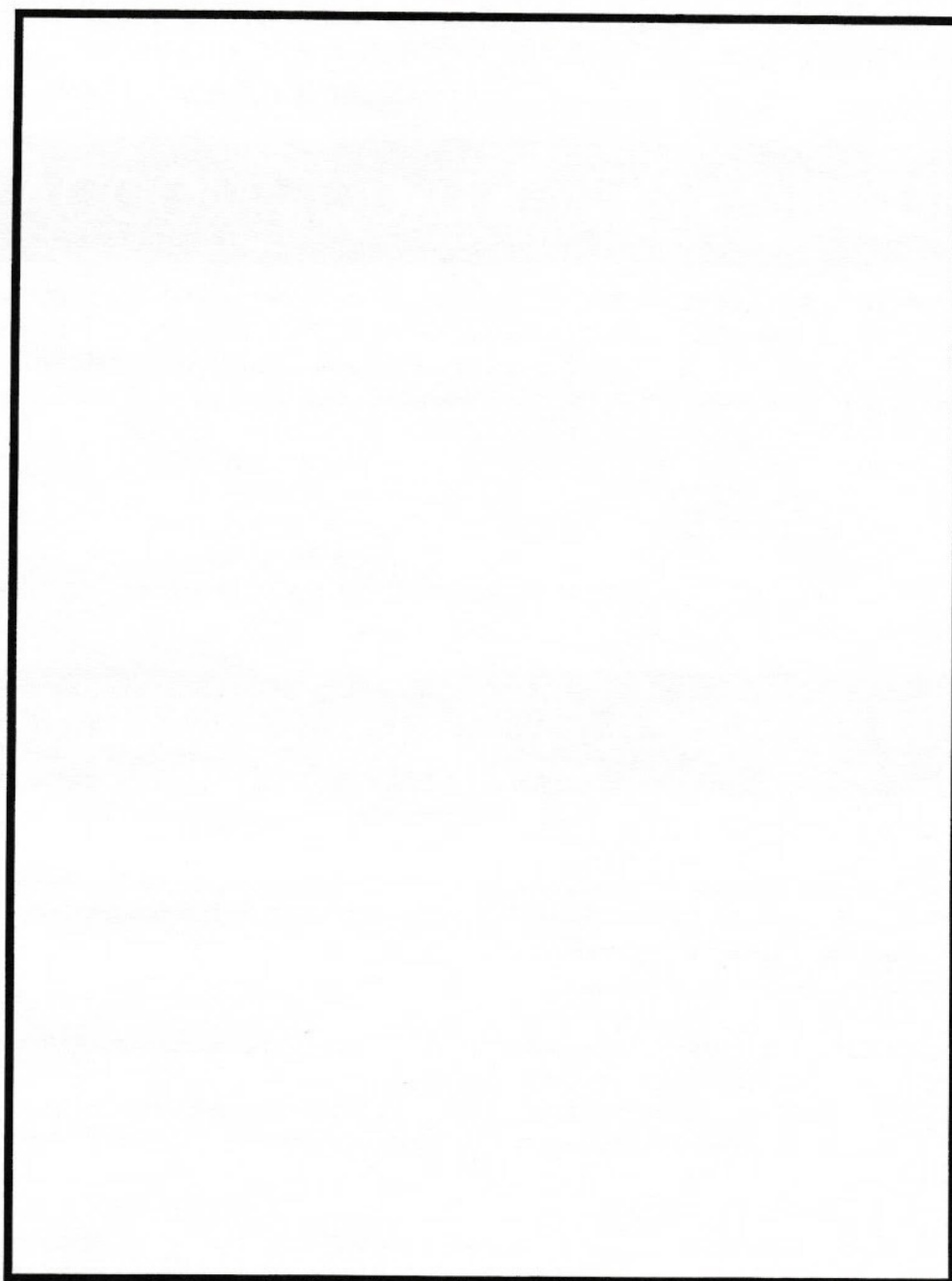
Phone: +171 419 3366

Fax: +171 380 7349

BSDB/BRA/BSCB Autumn Meeting : University College London
13th - 15th. September 1995

ABSTRACT FORM

Abstracts from invited speakers and from poster presentations will be included in the Abstract Book. Type the abstract to fit in the box below using 12 point typeface (Times-Roman if possible). Title should be in Capitals, authors and addresses Upper and Lower case. Indicate authors attending the meeting with an asterisk*. Leave a blank line between address and text.



Return completed abstract form together with registration form to Prof. J. Parnavelas, Department of Anatomy and Developmental Biology, University College London, London WC1E 6BT UK.
Deadline for abstracts: 28th July 1995

WANTED!!

For the new Developmental Biology group at the University of Bath, back issues of ***Development*** and ***Developmental Biology***, preferably 1987-1994 inclusive. Price to be paid by negotiation.

If you have a run which is surplus to requirements, please contact:

Jonathan Slack at the ICRF Developmental Biology Unit, Dept. of Zoology, South Parks Road, Oxford OX1 3PS (Tel: 01864 281308, Fax: 01865 281310; e-mail: slack@icrf.icnet.uk) BEFORE 1/9/95

ACCOMMODATION IN LONDON

Graduates in science and medicine who are on working visits to or travelling via London (with partners if accompanied) can use accommodation facilities for a modest charge - currently £37 for a single room and £47 for a twin bedded room including breakfast and tax.

Reservations can be made by telephone, fax or letter and rooms are allocated on a first come first served basis.

Please contact:

The Receptionist,
The Ciba Foundation,
41 Portland Place,
London W1N 4BN
Tel: 0171 636 9456 Fax: 0171 436 2840

DISCOUNT JOURNAL SUBSCRIPTIONS

Members of the **BSDB** are entitled to discounted subscription rates to a number of leading developmental biology publications.

The Company of Biologists offers a special Personal subscription rate to "**Development**", of **£130.00**. An application form for **Development** can be found in the Centre Section of the Newsletter.

In addition, members can subscribe to "**Bioessays**" at the reduced rate of £62, a saving of £8 on the normal personal subscription.

Elsevier offer a reduced rate subscription of £57 to "**Trends in Genetics**". A 1995 subscription form is enclosed with this edition of the Newsletter.

Academic Press continues to offer a very significant discount on subscriptions to "**Developmental Biology**" for BSDB Members. For 1995, the normal personal overseas subscription rate is \$307.00, but Society members can subscribe at the reduced rate of **\$185.00**. This price includes postage. In addition, they are offering members the latest volume of "**Current Topics in Developmental Biology**" at the discounted price of £43.50.

All orders and payments should be addressed to:

Kristi Sherwoodt,
Journal Marketing Department,
Academic Press, Inc.,
525 B Street, Suite 1900,
San Diego,
CA 92101-4495, U.S.A.

BOOK REVIEWS

Animal cells as bioreactors

Terence Cartwright

Cambridge University Press 184 pages
Hardback ISBN 0-521-41258-7 £30.00

This slim volume forms the eleventh in a series on biotechnology published by C.U.P. The opening explanation of the term bioreactors may prove helpful and encourage a wider readership of the book. "A bioreactor is a tool or device for generating product using the synthetic or chemical capacity of a biological system." At its simplest it is an immobilised enzyme; at its most complex and profitable it is a fermentor containing microbial or animal cells. That makes your pint of bitter the product of a bioreactor! Apparently, over half of the revenue generated by the use of recombinant DNA technology in industry comes from expression systems using animal cells. They have usurped the position of yeast and bacteria because these systems are incapable of reproducing mammalian proteins with complete fidelity. Post-translational modifications such as glycosylation and phosphorylation are often essential for biological activity, stability or clearance of the protein *in vivo*. It was thus necessary to develop methods for culture of animal cells on a large scale and to find ways of maximising expression to the levels achievable in microbial systems.

This book covers all aspects of the new biotechnological methods needed to turn animal cells into an acceptable and cost effective tool for drug production. It is well written and easy to read once you get past the rather dull introductory chapter. Although aimed at those active in biotechnology research, development and industrialisation, I would recommend that anyone contemplating the use of tissue culture cells to express their pet protein read at least chapter 2. This is a thorough review of all the vectors (mostly viral based) currently employed to produce both transient and stable expression systems. The problems encountered and the solutions devised are all detailed. Understandably, stable expression systems are more favoured by manufacturers and so most of the chapter is devoted to this. However, maximising transcription is not enough. The cells must also be able to accurately process and secrete the recombinant

protein at fast and similar rates. Examples are provided where this was not the case and alternative cell types had then to be used.

The author goes on to look at how cell culture is scaled up to achieve commercial quantities (kg!) of recombinant protein. This is done in specially designed fermentors with tailor-made media. Having discussed the disadvantages of using serum at this scale, he describes both the design of serum-free media and of the ingenious fermentors now available. At the high cell densities achieved in these fermentors, changes in pH or oxygen tension can be rapidly fatal or deleterious to the product. He therefore includes in his discussion of process control the in-line and near on-line sensors and assays used to monitor growth parameters and product quality. Also covered in subsequent chapters are: adjusting cell metabolism for optimum product yield (a growth area in both senses of the word), downstream processing (purification of product to you and me!) and the specific safety issues which arise when using animal cells to produce pharmaceuticals.

The author demonstrates how far the field has come in the last ten years and provides a useful reference work for all budding biotechnologists. He also has the good sense to mention the jargon word for the product of a bioreactor (a "biologic") only twice in the whole book.

Wendie Norris
Imperial Cancer Research Fund,
Lincolns Inn Fields
London.

Molecular and Cellular Aspects of Plant Reproduction

Eds. R.J. Scott and A.D. Stead

SEB Seminar Series #55
Cambridge University Press
Hard Cover ISBN 0-521-45525-1
315 pages £45.00

Books of meetings are like photographs of a bird-table for, like the camera, the volume records images ranging from the usual clutch of common visitors to rarer appearances of interesting species. This book is no exception; it contains a number of contributions providing a picture - albeit often a little blurred at the edges - of recent

progress in fast-moving fields, and a smaller number of chapters of greater and more lasting interest. That is not to say the common visitors are useless - because they do contribute a general picture of the subject - it is simply that they are out of date by the time the book hits the news stands. It is also a sad fact of life that in the current world of bibliometric pressures, no-one in their right mind with new and important data to release is going to publish in a SEB seminar series.

The real value of these books is well-illustrated by the volume under review for, amongst this rather eclectic collection of papers, are some real classics-to-be; not because they tell of recent discoveries, but because the authors have had the opportunity to take the risk of writing a rather different sort of paper - and not necessarily the stuff of the "best" journals. For example, in one chapter Scott provides the first real attempt in years to pull together all the data currently available on sporopollenin synthesis and deposition, and consider it in a molecular perspective. The following chapter - by Twell - is by far the best review currently available of male gametophyte development and a further bonus is the grouping of chapters at the end of the book, presumably organised by Tony Stead himself, on the physiology of floral senescence; no-where else in the literature can such a comprehensive statement of our current knowledge of this topic be found, and each chapter on its own would lack that certain "synergy" leant by its neighbours.

Certainly, something can also be learnt from the "common visitors", the chapters by Van Tunen et al (Floral mutants in *Petunia*), Barbacar and Negrutiu (X/Y chromosomes in *Melandrium*), Ferrant et al (ovule-expressed protein kinases in *Petunia*) and Franklin et al (self-incompatibility in *Papaver*) providing useful reflections of the state of play as of 1993/4.

This book is also very special to those working in the field of plant reproduction, for the introduction is written by Jack Heslop Harrison, for a long time the major player in the field, and whose pioneering work has established the foundation for much of today's exciting progress. Not only does this introduction identify very effectively the key questions to be addressed over the next few years, but the writing itself is a rare example of clarity and focus. Likewise, the chapter by Heslop Harrison and Heslop Harrison on intracellular movement in pollen tubes provides a unique and valuable perspective on this complex field. In summary, this is not a book that will provide the novice with an extensive background in the cell and molecular biology of plant reproductive systems. However, amongst scientific snapshots, it is a collectors' piece.

*Hugh Dickinson
Department of Plant Sciences,
South Parks Road,
Oxford*

Call For Book Reviewers

The Publications Secretary receives a number of books (some admittedly more interesting than others!) for review each year.

If you would like to try your hand at this essential skill and publish with near impunity, why not give Vernon French a call?

Current volumes for appraisal include:

"An Introduction to Biocatalysis: Using Enzymes and Micro-organisms" by Roberts et al.

"Biology: An Exploration of Life" by McFadden and Keeton.

Call now to avoid disappointment!

BSDB Committee members and other useful addresses

The main function of the BSDB Committee is to organize our meetings, from deciding on appropriate topics to arranging organizers and venues. If you have any ideas as to what will make a good meeting, or a good venue, don't hesitate to let a committee member know. The Officers of the Society have specific functions. Jim Smith (Chairman) keeps us all in order; Jonathan Slack (Secretary) deals with the membership list; Jonathan Bard (treasurer) handles subscriptions and awards travel grants; Ian Jackson (Meetings Secretary) does most of the work in arranging meetings and deciding on venues; Vernon French (Publications Secretary) assembles this Newsletter and helps edit the Symposium volume. These Officers will be happy to answer any questions relating to their subjects.

Chairman

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P.O. Box 373,
York YO1 5YW
Tel: 01904 432837 x 4333
Fax: 01904 432860

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