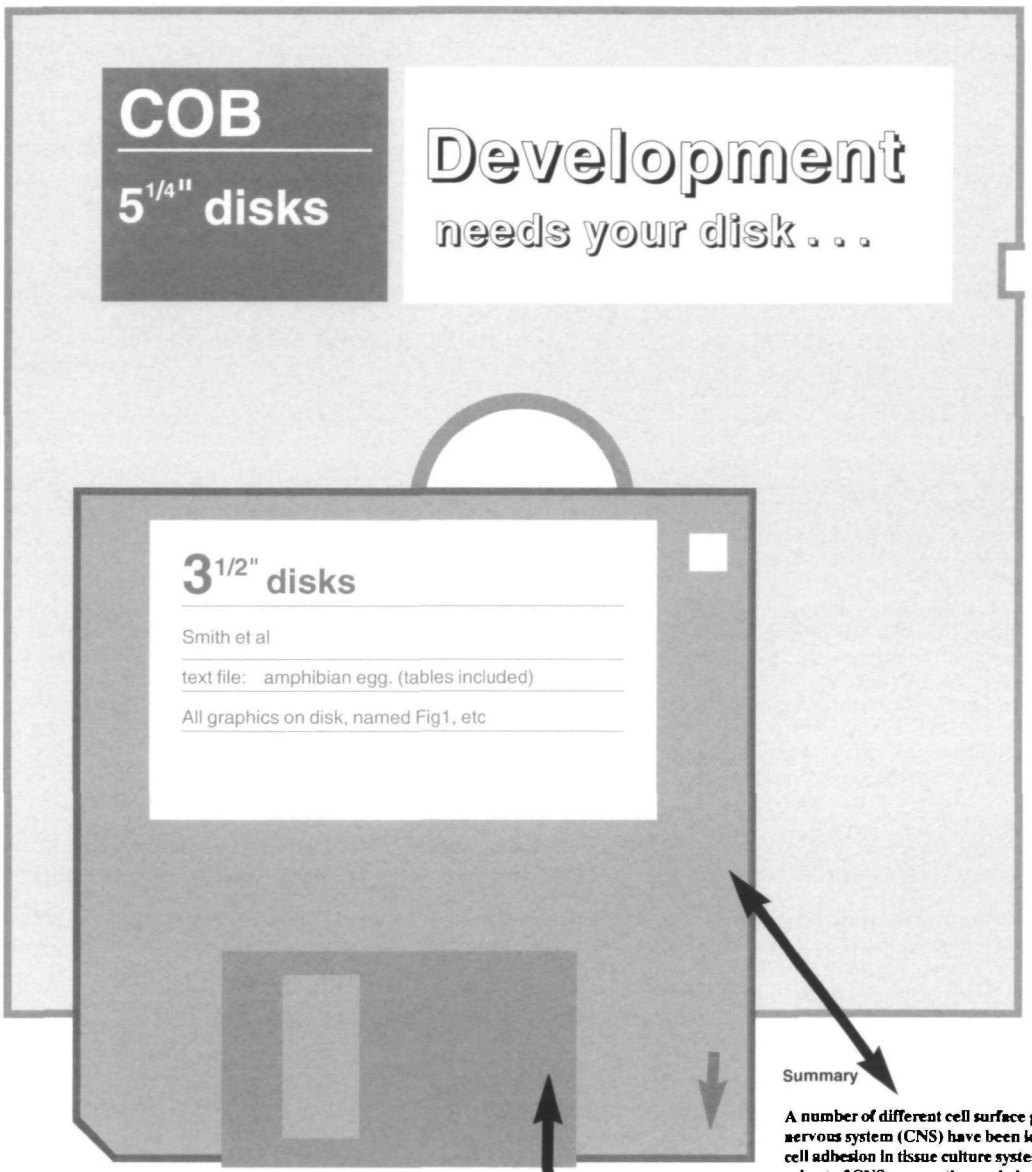

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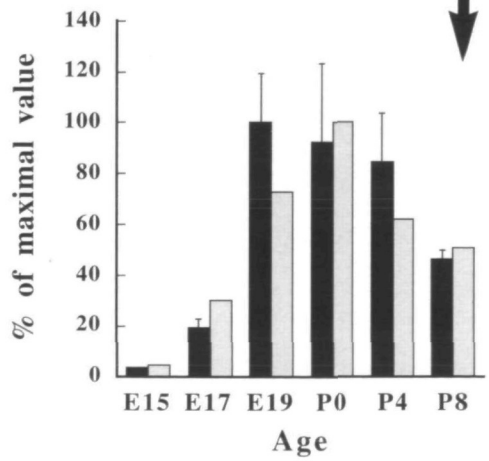


Summary

A number of different cell surface glycoproteins expressed in the central nervous system (CNS) have been identified in insects and shown to mediate cell adhesion in tissue culture systems. The fasciclin I protein is expressed on a subset of CNS axon pathways in both grasshopper and *Drosophila* (Bastiani et al. 1987; Zinn et al. 1988). It consists of four homologous 150 amino acid domains which are unrelated to other sequences in the current databases, and is tethered to the cell surface by a glycosyl-phosphatidylinositol linkage (Hortsch and Goodman, 1990). In this paper we examine in detail the expression of fasciclin I mRNA and protein during *Drosophila* embryonic development. We find that fasciclin I is expressed in several distinct patterns at different stages of development. In blastoderm embryos it is briefly localized in a graded pattern.

Table 1. Percentage of organs of various types in the first whorl positions of ap2 mutants

	Genotype (no. of flowers scored)			
Organ	ap2-2	ap2-8	ap2-9	ap2-1
sepals	0%	0%	0%	0%
leaves	0%	0%	0%	14%

107
GFERGLKP ERIIGATDTS GELMFLMKWE GTDEADLVRSVDARTRCPQLIIEFYEKHI
GFDRGLEA EKILGASDNN GRLTFLIQFK GVDQAEMVPSSVANEKIPRMVIHFYEERI
142

2
SGSGSEEKEYVVEKIIDSRTVNGKVQYFLKWKGYDESENTWEPHENLECPELIAEFEKK
SDAEEEKEEYAVEKIIDRRVRKGKVEYYLKWKGYPETENTWEPENNLDCQDLIQQYEAS
15

INTERNATIONAL SOCIETY OF DEVELOPMENTAL BIOLOGY

The next

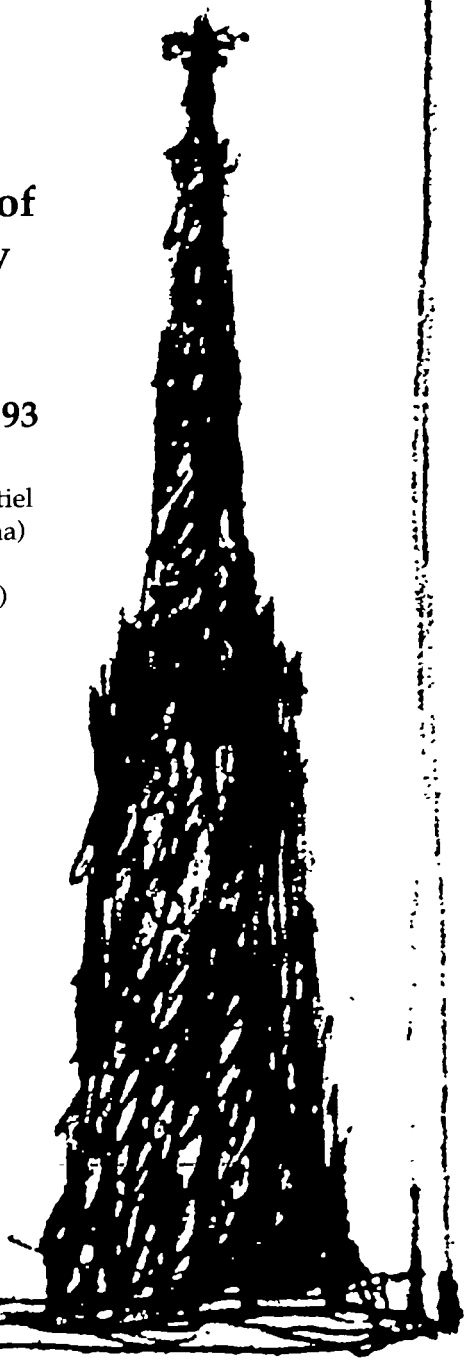
International Congress of Developmental Biology

will be held in

Vienna from 9-13 August 1993

under the Chairmanship of Max L. Birnstiel
(Institute of Molecular Pathology, Vienna)
and John Gurdon
(Wellcome CRC Institute, Cambridge)

The programme will include plenary lectures and 15 major sessions on cellular and molecular aspects of development. It will also provide ample opportunities for the presentation of posters.



ISDB

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For further information, watch further issues of Development.

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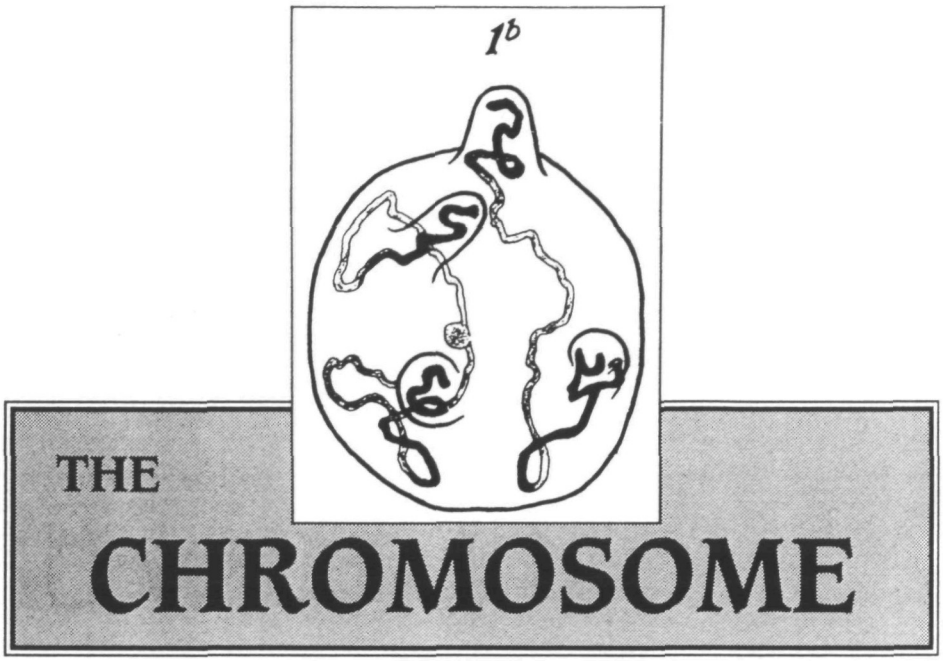

SCIENTIFIC PROGRAMME

15TH BATESON MEMORIAL LECTURE

Professor Frank Stahl

Genetic recombination: thinking about it in phage and fungi

LOWER ORDER STRUCTURE, ORIGINS OF REPLICATION AND PARTITIONING

C. Greider (Cold Spring Harbor); M. DePamphilis (New Jersey, USA); G. Leno (Cambridge, UK); M. Schaechter (Boston, USA); D.J. Sherratt (Glasgow, UK)

HIGHER ORDER STRUCTURES

C. Higgins (Oxford); J. Rouviere-Yaniv (Paris, France); U.K. Laemmli (Geneva, Switzerland), T. Cremer (Heidelberg); P. Shaw (John Innes Institute, Norwich); L. Manuelidis (Yale, USA); P. Heslop-Harrison (John Innes Institute, Norwich)

EPIGENETICS

E. Richards (Cold Spring Harbor, USA); N. Dillon (Mill Hill, London); S. Henikoff (Seattle, USA); A. Ferguson-Smith (Cambridge, UK); P. Antequera (Edinburgh,UK)

KNOWLEDGE EMERGING FROM THE MAPPING & SEQUENCING OF GENOMES

E. Southern (Oxford); F. Blattner (Madison, USA); R. Durbin (Cambridge, UK); C. Dean (Cambridge Laboratory, Norwich); G. Moore (Cambridge Laboratory, Norwich); S.G. Oliver (Manchester, UK); P. Goodfellow (Cambridge, UK)

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Text

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(1) Use SI units only, units for time should be written out in full - days, hours, minutes, seconds

(2) Type a space after a digit, e.g. 1 mM (except 1%, 1°C)

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Genes and gene products - check that genes and restriction endonucleases are in italic (or underlined) but that the protein product of a gene is in roman.

Ampersands (&) should be replaced by 'and'

Statistics - use s e m. and s.d. for standard errors etc

Abbreviations - uppercase should be typed without full stops (USA, UK), lowercase with full stops (u.v)

Isotopically labelled compounds

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(2) If compound does not normally contain the isotopically labelled element then use either ^{131}I-labelled albumin or ^{131}I-albumin.

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Rossant, J. (1977). Cell commitment in early rodent development. In *Development in Mammals*, vol. 2 (ed M. H Johnson), pp. 119-150. Amsterdam North Holland

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