Contents

Review
New light on Myc and Myb. Part II. Myb
Bernhard Lüscher and Robert N. Eisenman

Research papers

bag-of-marbles: a Drosophila gene required to initiate both male and female gametogenesis
Dennis M. McKearin and Allan C. Spradling

Subcellular localization of yeast CDC46 varies with the cell cycle
Kevin M. Hennessy, Chris D. Clark, and David Botstein

Multiple roles for U6 snRNA in the splicing pathway
Hitin D. Madhani, Rémy Bordonné, and Christine Guthrie

Deadenylation of maternal mRNAs during Xenopus oocyte maturation does not require specific cis-sequences: a default mechanism for translational control
Susan M. Varnum and W. Michael Wormington

Poly(A) removal during oocyte maturation: a default reaction selectively prevented by specific sequences in the 3' UTR of certain maternal mRNAs
Catherine A. Fox and Marvin Wickens

The efficiency of RNA 3'-end formation is determined by the distance between the cap site and the poly(A) site in spleen necrosis virus
Kouichi Iwasaki and Howard M. Temin

Developmentally programmed induction of differentiation inhibiting activity and the control of stem cell populations
Peter D. Rathjen, Jennifer Nichols, Sara Toth, Dylan R. Edwards, John K. Heath, and Austin G. Smith

Expression of multiple novel Wnt-1/int-1-related genes during fetal and adult mouse development
Brian J. Gavin, Jill A. McMahon, and Andrew P. McMahon

Dominant-negative mutants of a platelet-derived growth factor gene
Mark Mercola, Prescott L. Deininger, Steven M. Shamah, Julie Porter, Chiayeng Wang, and Charles D. Stiles

SH2 mutants of c-src that are host dependent for transformation are trans-dominant inhibitors of mouse cell transformation by activated c-src
Hisamaru Hirai and Harold E. Varmus

Liver-enriched transcription factor HNF-4 is a novel member of the steroid hormone receptor superfamily
Frances M. Sladek, Weimin Zhong, Eseng Lai, and James E. Darnell, Jr.

Determinants of correct res site alignment in site-specific recombination by Tn3 resolvase
Amy L. Bednarz, Martin R. Boocock, and David J. Sherratt
Transcriptional activation by the pseudorabies virus immediate early protein
Katherine J. Martin, James W. Lillie, and Michael R. Green

Interactions of the Oct-1 POU subdomains with specific DNA sequences and with the HSV α-trans-activator protein
Thomas M. Kristie and Phillip A. Sharp

Synergy between HIV-1 Tat and adenovirus E1A is principally due to stabilization of transcriptional elongation
Michael F. Laspia, Andrew P. Rice, and Michael B. Mathews

Cover  The meiotic maturation of *Xenopus* oocytes initiates specific changes in the translation of maternal mRNAs that coincide with alterations in their polyadenylation states. Shown are fully grown stage VI oocytes matured in vitro with progesterone. The white spot on the animal hemisphere of mature oocytes indicates the breakdown of the germinal vesicle. [For details, see Varnum and Wormington, p. 2278, and Fox and Wickens, p. 2287; photograph kindly provided by Michael Wormington.]