

Morton Lecture

Adventures with Membrane Lipids

M. KATES

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655th Meeting Manchester

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| Gastric mucosal peroxisomes and plasmalogen biosynthesis | M. A. ABUGILA, M. J. CONNOCK AND K. BURDETT | 578S |

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| Effects of growth hormone on mammary cholesterol metabolism in the lactating rat | J. H. SHAND, D. W. WEST AND D. J. FLINT | 579S |
| The effect of okadaic acid and calyculin A on cholesterol esterification in rat hepatocytes | M. L. HERNÁNDEZ, M. LÓPEZ DE HEREDIA, M. J. MARTÍNEZ AND B. OCHOA | 580S |
| Nuclear Ca ²⁺ -fluxes and phosphoinositides in plants | T. D. BUNNEY, G. M. CALDER, P. J. SHAW AND B. K. DRØBAK | 581S |
| A novel inositol-lipid in plant–bacteria symbiosis | L. E. HERNANDEZ, S. PEROTTO, N. J. BREWIN AND B. K. DRØBAK | 582S |

Therapeutic monoclonals

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| Adsorption of immunoliposomes to bacterial biofilms | A. M. ROBINSON, J. E. CREETH AND M. N. JONES | 583S |
| Breast cancer-associated antibody LU BCRU G7 recognizes the terminal disaccharide Galβ1-3GlcNAc and can be used to isolate tumour cells from body fluids by an immunomagnetic bead procedure | P. D. RYE, N. V. BOVIN, E. VLASOVA, H.-K. HØIFØDT, B. KIERULF, G.-E. TRONES AND Ø. FODSTAD | 584S |
| Dichloroacetate increases cell and product yields in hydridoma batch cultures | K. MURRAY, K. GULL AND A. J. DICKSON | 585S |
| Multiple forms of endo-1,4-β-D-glucanase in the extracellular cellulase system of <i>Fusarium oxysporum</i> | P. CHRISTAKOPOULOS, D. KEKOS, B. J. MACRIS AND M. K. BHAT | 586S |
| Evaluation of the cellulase system produced by three strains of <i>Clostridium thermocellum</i> on cellobiose and Avicel | S. BHAT, P. W. GOODENOUGH, E. OWEN, B. BROOKER, R. STENNING AND M. K. BHAT | 587S |
| Variation of intracellular distribution of mRNAs expressed from transfected cDNAs – a study by FISH | L. FU, C. K. M. SUEN AND K. N. WHITE | 588S |

Nuclear receptors in cancer and inflammation

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| Hormone regulation of gene transcription in human breast cancer cells | M. K. K. EL-TANANI AND C. D. GREEN | 589S |
| Effect of the thiazolidinedione BRL49653 and genetic obesity on hepatic gene expression in the Zucker rat | J. E. SIDAWAY, A. J. DICKSON, S. A. SMITH AND D. S. W. BOAM | 590S |
| A novel cell-growth inhibitor produced by macrophages | J. M. STEIN, D. PROUDFOOT, K. L. H. CARPENTER AND D. E. BOWYER | 591S |
| CCK-8 sulphate inhibits intestinal glucose transport | M. B. TABAR AND K. BURDETT | 592S |
| Effects of insulin secretagogues on phosphoprotein phosphatase I and 2A activities in rat islets of Langerhans | L. I. MURPHY AND P. M. JONES | 593S |

Recent advances in the study of neurodegenerative diseases, and strategies for therapy

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| Alzheimer's disease, herpes simplex virus type I, cold sores and apolipoprotein E4 | W.-R. LIN, D. SHANG, G. K. WILCOCK AND R. F. ITZHAKI | 594S |
| Characterizing the Huntington's disease gene product | J. WOOD, J. C. MACMILLAN, P. THOMAS, P. R. LOWENSTEIN, P. S. HARPER AND A. L. JONES | 595S |
| Media composition modulates glutamate-induced cell death in rat cerebellar granule cells | A. M. WOOD AND D. R. BRISTOW | 596S |

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| Sustained activation of NF κ B and transient I κ B α degradation induced by tumour necrosis factor in I321N1 human astrocytoma | L. A. J. O'NEILL AND V. P. KELLY | 597S |
| Usage of gallium as a model for aluminium localization in human neuroblastoma cells | C. B. DOBSON, J. GRAHAM AND R. F. ITZHAKI | 598S |
| Excitatory amino acid-induced neuronal cell death in rat cerebellar granule cell cultures | K. P. PLATT AND D. R. BRISTOW | 599S |
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| Non-serotonergic profiles of lobar atrophies | M. QUME, A. MISRA, S. ZEMAN, J. L. BODDY, A. J. CROSS, P. T. FRANCIS, A. W. PROCTER, D. M. A. MANN AND D. M. BOWEN | 601S |
| Excitotoxic neurotoxicity in an <i>in vitro</i> brain slice model | K. L. CLAPP, S. LAIDLAW, I. J. MITCHELL AND C. M. WATERS | 602S |
| Analysis of urinary pterins in autism | K. L. HARRISON AND A. E. PHEASANT | 603S |
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| NADH oxidoreductase activity in human and mouse cells treated with free-radical-generating agents | S. BROWN, V. FLETCHER AND S.-P. CHOO | 605S |
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| Effect of <i>Cleome arabica</i> leaves extract on inflammatory cells response in rat | L. SELLOUM, L. ARRAR, B. MEDANI, A. KHENCHOUCHE AND H. BISKER | 609S |
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| Lipidic mimetics as inhibitors of pancreatic phospholipase A ₂ | A. NICOLAOU, G. KOKOTOS, V. CONSTANTINO, J. YORK AND W. A. GIBBONS | 614S |

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| Site-directed mutagenesis of human cytosolic serine hydroxymethyltransferase | K. J. CHAVE, S. B. RENWICK, P. G. SANDERS AND K. SNELL | 622S |
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| Molecular mechanism of the multifunctional enzyme L- δ -(α -aminoadipoyl)-L-cysteinyl-D-valine (ACV) synthetase | C.-Y. SHIAU, M. F. BYFORD, J. E. BALDWIN AND C. J. SCHOFIELD | 629S |
| Cell-density dependent regulation of transcription in bacteria | | |
| Molecular and functional studies of copper amine oxidase from <i>Arabidopsis thaliana</i> | S. G. MØLLER AND M. J. MCPHERSON | 630S |
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| A partial sequence of an IgG light chain using continuous flow HPLC-FAB mass spectrometry | M. A. CLAYDON, D. B. GORDON, G. V. GARNER AND G. A. LORD | 633S |
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| Miscellaneous | | |
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