

Index to Volume 65

Author Index

Al Balwi M. *see* Hajeer AH
 Al Gharawi K. *see* Hajeer AH
 Al Rayes W. *see* Hajeer AH
 Alao F. *see* Smith SI

Bamidele M. *see* Smith SI

Barber P: Evaluation of the BD ProbeTec ET system for the direct detection of *Mycobacterium tuberculosis* from clinical samples, 7 (OA)

Barnett YA. *see* Hannon-Fletcher MP

Beales ILP. *see* Ogunwobi OO

Blann AD, Nation BR: Good analytical practice: statistics and handling data in biomedical science. A primer and directions for authors. Part 1: Introduction. Data within and between one or two sets of individuals, 209 (RA)

Brazier JS: *Clostridium difficile*: from obscurity to superbug, 39 (RA)

Chan LC. *see* So CC

Chaturvedi P. *see* George S

Chow E, Fox N, Gama R: Effect of low serum total protein on sodium and potassium measurement by ion-selective electrodes in critically ill patients, 128 (OA)

Clarke L, Moore JE, Millar BC, Crowe M, Xu J, Goldsmith CE, Murphy PG, Dooley JSG, Rendall J, Elborn JS: Molecular epidemiology of *Pseudomonas aeruginosa* in adult patients with cystic fibrosis in Northern Ireland, 18 (OA)

Coker AO. *see* Smith SI

Cooke RPD. *see* Sharma R

Coulter WA. *see* Moore JE

Crothers L. *see* Xu J

Crowe M. *see* Clarke L

Crowley D, Cryan B, Lucey B: First detection of a class 2 integron among clinical isolates of *Serratia marcescens*, 86 (OA)

Cryan B. *see* Crowley D

Curran T. *see* McKenna JP

Daniels D, Mortlock S: Mixed HSV-1 and HSV-2 infection in a patient attending a GUM clinic, 203 (BS)

Davies S, McIntyre S, Fowler J, Tovey M: Methicillin-resistant *Staphylococcus aureus* detection using chromogenic media: the Sheffield experience, 13 (OA)

Davies S, McIntyre SM, McKinven A: Evaluation of a new *Staphylococcus aureus* latex agglutination kit, Prolex Staph Xtra, against other third-generation kits, 142 (OA)

Denny BJ, West PWJ, Mathew TC: Antagonistic interactions between the flavonoids hesperetin and naringenin and β -lactam antibiotics against *Staphylococcus aureus*, 145 (OA)

Donnelly FM. *see* Jordan PW

Dooley JSG. *see* Clarke L; Xu J

KEY

(OA) = Original Article

(RA) = Review Article

(BS) = Biomedical Science in Brief

(BE) = Biomedical Essay

El-Abd E, El-Tahan R, Fahmy L, Zaki S, Faid W, Sobhi A, Kandil K, El-Kwisky K: Serum metastasin mRNA is an important survival predictor in breast cancer, 90 (OA)

El-Kwisky K. *see* El-Abd E

El-Tahan R. *see* El-Abd E

Elborn JS. *see* Clarke L; Jordan PW

Elliott K, Hamilton PW, Maxwell P: Fluorescence (FISH) and chromogenic (CISH) *in situ* hybridisation in prostate carcinoma cell lines: comparison and use of virtual microscopy, 167 (OA)

Fahmy L. *see* El-Abd E

Faid W. *see* El-Abd E

Fish DKW. *see* Woodland JG

Fowler J. *see* Davies S

Fowora M. *see* Smith SI

Fox N. *see* Chow E

Fujimori F, Shimizu T, Takada T, Narita J, Suzuki E, Gejyo F: Differences in lymphocyte profile between BAL fluid and human lung tissue from patients with interstitial lung disease, 63 (OA)

Gama R. *see* Chow E

Gejyo F. *see* Fujimori F

George S, Chaturvedi P: Protective role of *Ocimum canum* plant extract on alcohol-induced oxidative stress in albino rats, 80 (OA)

Glennie L. *see* Rao D

Goldsmith CE. *see* Clarke L; Jordan PW; Moore JE; Rao D; Xu J

Gomber C. *see* Saxena S

Goodluck HT. *see* Smith SI

Gu L-Q. *see* Zhao L

Gu L-Q, Zhao L, Liu J-M, Su T-W, Wang W-Q, Ning G: Pheochromocytoma presenting with coexisting acute renal failure, acidosis and in hyperglycaemic emergency, 153 (BS)

Guidi GC. *see* Lippi G

Hajeer AH, Al Gharawi K, Al Rayes W, Qasem L, Merenkov Z, Al Balwi M: Detection of HCV antibody-negative donations: Saudi experience with nucleic acid testing, 103 (BS)

Hamilton E. *see* Rao D

Hamilton PW. *see* Elliott K

Hancock JT: Cell signalling is the music of life, 205 (BE)

- Hannon-Fletcher MP, Barnett YA: Lymphocyte cytochrome P450 expression: inducibility studies in male Wistar rats, 1 (OA)
- Hardy SP, Watson FR: Early municipal bacteriology in Brighton, Aberdeen and Bristol: blessing or burden?, 109 (RA)
- Henriques M. *see* Sousa C
- Hogg GM. *see* McKenna JP
- Jelinek H. *see* Nwose EU
- Jones BJ. *see* Twomey PJ
- Jordan PW, Stanley T, Donnelly FM, Elborn JS, McClurg RB, Millar BC, Goldsmith CE, Rendall J, Moore JE: Non-tuberculous mycobacterial infection in adult patients with cystic fibrosis: comparison of three decontamination methods, 28 (BS)
- Kakinuma Y, Iida H, Sekizuka T, Taneike I, Takamiya S, Moore JE, Millar BC, Matsuda M: Molecular characterisation of urease genes from urease-positive thermophilic campylobacters (UPTC), 148 (OA)
- Kamel MAE-N, Shehata M: Effect of toluene exposure on the antioxidant status and apoptotic pathway in organs of the rat, 75 (OA)
- Kandil K. *see* El-Abd E
- Kerr PG. *see* Nwose EU
- Leggett P. *see* Moore JE
- Iida H. *see* Kakinuma Y
- Lippi G, Montagnana M, Salvagno GL, Guidi GC: Influence of stable, long-term treatment with phenobarbital on the activity of serum alanine aminotransferase and γ -glutamyltransferase, 132 (OA)
- Liu J-M. *see* Gu L-Q; Zhao L
- Liu L. *see* Liu XS
- Liu XS, Zhang XQ, Tian T, Liu L, Ming J: Influence of homeobox B2 antisense oligodeoxynucleotides on the biological characteristics of *in vitro* cultured primary human umbilical vein endothelial cells, 22 (OA)
- Loughrey A. *see* Moore JE; Rao D; Xu J
- Lucey B. *see* Crowley D
- Ma ESK. *see* So CC
- Mason CK. *see* Moore JE
- Mathew TC. *see* Denny BJ
- Matsuda M. *see* Kakinuma Y; Shitara M
- Matsuda M, Shigematsu M, Tazumi A, Sekizuka T, Takamiya S, Millar BC, Taneike I, Moore JE: Cloning and structural analysis of the full-length cytolethal distending toxin (*cdt*) gene operon from *Campylobacter lari*, 195 (OA)
- Maxwell LD. *see* McKenna JP
- Maxwell P. *see* Elliott K
- McCarron P. *see* Moore JE
- McClurg RB. *see* Jordan PW; Xu J
- McConnell D. *see* Rao D
- McDowell DA. *see* Moore JE
- McKenna JP, Hogg GM, Maxwell LD, Curran T, Ong G: Bovine serum albumin reduces effects of endogenous inhibitors in transport media, facilitating real-time PCR detection of methicillin-resistant *Staphylococcus aureus* from screening swabs, 155 (BS)
- McKinven A. *see* Davies S
- McIntyre S. *see* Davies S
- McIntyre SM. *see* Davies S
- McMahon MAS. *see* Moore JE
- Merenkov Z. *see* Hajeer AH
- Millar BC. *see* Clarke L; Jordan PW; Kakinuma Y; Matsuda M; Moore JE; Rao D; Shitara M; Xu J
- Ming J. *see* Liu XS
- Montagnana M. *see* Lippi G
- Montgomery J. *see* Moore JE
- Moore JE. *see* Clarke L; Jordan PW; Kakinuma Y; Matsuda M; Rao D; Shitara M; Xu J
- Moore JE, Mason CK, Coulter WA, McCarron P, Leggett P, Montgomery J, Goldsmith CE: Comparison of clustered, regularly interspaced short palindrome repeats in viridans streptococci (*Streptococcus gordonii*, *S. mutans*, *S. sanguinis*, *S. thermophilus*) and in *S. pneumoniae*, 104 (BS)
- Moore JE, Watabe M, Millar BC, McMahon MAS, McDowell DA, Rooney PJ, Loughrey A, Goldsmith CE: Molecular characterisation of verocytotoxic *Escherichia coli* O157:H7 by random amplification of polymorphic DNA (RAPD) typing, 161 (BS)
- Moore JE, Watabe M, Millar BC, Rooney PJ, Loughrey A, Goldsmith CE: Direct molecular (PCR) detection of verocytotoxigenic and related virulence determinants (*eae*, *hly*, *stx*) in *E. coli* O157:H7 from fresh faecal material, 163 (BS)
- Mortlock S. *see* Daniels D
- Murphy PG. *see* Clarke L; Xu J
- Narita J. *see* Fujimori F
- Nation BR. *see* Blann AD
- Ning G. *see* Gu L-Q; Zhao L
- Nwose EU, Richards RS, Kerr PG, Tinley P, Jelinek H: Oxidative damage indices for the assessment of subclinical diabetic macrovascular complications, 136 (OA)
- Ogunwobi OO, Beales ILP: Leptin stimulates the proliferation of human oesophageal adenocarcinoma cells via HB-EGF- and TGF α -mediated transactivation of the epidermal growth factor receptor, 121 (OA)
- Oliveira R. *see* Sousa C
- Omonigbehin E. *see* Smith SI
- Ong G. *see* McKenna JP
- Orchard GE, Torres J, Sountharajah P: Use of softening agents to improve the production of formalin-fixed, paraffin-embedded sections of nail tissue: an assessment, 68 (OA)
- Pledger DR. *see* Twomey PJ
- Qasem L. *see* Hajeer AH
- Rao D, Hamilton E, Glennie L, McConnell D, Millar BC, Rooney PJ, Goldsmith CE, Loughrey A, Shields M, Moore JE: Should long-haul flights carry antibiotics on board to treat acute bacterial meningitis and meningococcal septicaemia?, 201 (BS)
- Ratcliffe JG. *see* Sharma R
- Rendall J. *see* Clarke L; Jordan PW
- Richards RS. *see* Nwose EU
- Rooney PJ. *see* Moore JE; Rao D; Xu J

- Salvagno GL. *see* Lippi G
- Saxena S, Gomber C: Comparative *in vitro* antimicrobial procedural efficacy for susceptibility of *Staphylococcus aureus*, *Escherichia coli* and *Pseudomonas* species to chloramphenicol, ciprofloxacin and cefaclor, 178 (OA)
- Sekizuka T. *see* Kakinuma Y; Matsuda M; Shitara M
- Sharma R, Cooke RPD, Ratcliffe JG: Detection of ESBL bacteria from clinical specimens: evaluation of a new selective medium, 191 (OA)
- Shaw A. *see* Xu J
- Shehata M. *see* Kamel MAE-N
- Shields M. *see* Rao D
- Shigematsu M. *see* Matsuda M
- Shimizu T. *see* Fujimori F
- Shitara M, Tsuboi Y, Sekizuka T, Tazumi A, Moore JE, Millar BC, Taneike I, Matsuda M: Genetic heterogeneity of the *dnaK* gene locus including the transcription terminator region in *Campylobacter lari*, 95 (OA)
- Smith SI, Alao F, Goodluck HT, Fowora M, Bamidele M, Omonigbehin E, Coker AO: Prevalence of *Salmonella typhi* among food handlers from bukkas in Nigeria, 158 (BS)
- So CC, Wan TSK, Ma ESK, Chan LC: An unbalanced translocation, der(17)t(1;17)(p13;p11.2), leads to heterozygous loss of *TP53* and is associated with clinical evolution in myelodysplastic syndrome, 36 (BS)
- Sobhi A. *see* El-Abd E
- Sounthararajah P. *see* Orchard GE
- Sousa C, Henriques M, Teixeira P, Oliveira R: Reduction of *Staphylococcus epidermidis* adhesion to indwelling medical devices: a simple procedure, 184 (OA)
- Stanley T. *see* Jordan PW; Xu J
- Su T-W. *see* Gu L-Q
- Sui L. *see* Zhang F
- Suzuki E. *see* Fujimori F
- Takada T. *see* Fujimori F
- Takamiya S. *see* Kakinuma Y; Matsuda M
- Taneike I. *see* Kakinuma Y; Matsuda M; Shitara M
- Tazumi A. *see* Matsuda M; Shitara M
- Teixeira P. *see* Sousa C
- Tian T. *see* Liu XS
- Tinley P. *see* Nwose EU
- Torres J. *see* Orchard GE
- Tovey M. *see* Davies S
- Tsuboi Y. *see* Shitara M
- Twomey PJ, Jones BJ, Pledger DR: Introduction of automatically generated comment in clinical biochemistry: an audit of technical effectiveness, 102 (BS)
- Wan TSK. *see* So CC
- Wang W-Q. *see* Gu L-Q; Zhao L
- Watabe M. *see* Moore JE
- Watson FR. *see* Hardy SP
- West PWJ. *see* Denny BJ
- Whiting PH, Kalansooriya A, Holbrook I, Haddad F, Jennings PE: Relationship between chronic glycaemic control and oxidative stress in type 2 diabetes mellitus, 71 (OA)
- Woodland JG, Fish DKW: Application of microwave heat to paraffin sections: rapid adhesion of sections to slides, 200 (BS)
- Xin T. *see* Zhang F
- Xu J. *see* Clarke L
- Xu J, Stanley T, Millar BC, McClurg RB, Shaw A, Crothers L, Goldsmith CE, Rooney PJ, Loughrey A, Murphy PG, Dooley JSG, Moore JE: Difficult-to-identify bacteria: how use of 16S rDNA PCR and gene sequencing can help, 33 (BS)
- Zaki S. *see* El-Abd E
- Zhang F, Sui L, Xin T: Correlation of Bmi-1 expression and telomerase activity in human ovarian cancer, 172 (OA)
- Zhang XQ. *see* Liu XS
- Zhao L. *see* Gu L-Q
- Zhao L, Gu L-Q, Wang W-Q, Ning G, Liu J-M: Extreme hyperglycaemia and hypokalaemia in a 96-year-old diabetic patient: case report and discussion of management issues, 30 (BS)

Subject Index

- Acidosis
Phaeochromocytoma presenting with coexisting acute renal failure, acidosis and in hyperglycaemic emergency, 153 (BS)
- Acute renal failure
Phaeochromocytoma presenting with coexisting acute renal failure, acidosis and in hyperglycaemic emergency, 153 (BS)
- Air travel
Should long-haul flights carry antibiotics on board to treat acute bacterial meningitis and meningococcal septicaemia?, 201 (BS)
- Alanine aminotransferase
Influence of stable, long-term treatment with phenobarbital on the activity of serum alanine aminotransferase and γ -glutamyltransferase, 132 (OA)
- Alanine transaminase
Protective role of *Ocimum canum* plant extract on alcohol-induced oxidative stress in albino rats, 80 (OA)
- Albumin, bovine serum
Bovine serum albumin reduces effects of endogenous inhibitors in transport media, facilitating real-time PCR detection of methicillin-resistant *Staphylococcus aureus* from screening swabs, 155 (BS)
- Alcohol
Protective role of *Ocimum canum* plant extract on alcohol-induced oxidative stress in albino rats, 80 (OA)
- Amplification tests
Evaluation of the BD ProbeTec ET system for the direct detection of *Mycobacterium tuberculosis* from clinical samples, 7 (OA)
- Antibiotics
Antagonistic interactions between the flavonoids hesperetin and naringenin and β -lactam antibiotics against *Staphylococcus aureus*, 145 (OA)
Should long-haul flights carry antibiotics on board to treat acute bacterial meningitis and meningococcal septicaemia?, 201 (BS)
- Antimicrobial susceptibility testing
Comparative *in vitro* antimicrobial procedural efficacy for susceptibility of *Staphylococcus aureus*, *Escherichia coli* and *Pseudomonas* species to chloramphenicol, ciprofloxacin and cefaclor, 178 (OA)
- Antioxidants
Effect of toluene exposure on the antioxidant status and apoptotic pathway in organs of the rat, 75 (OA)
Oxidative damage indices for the assessment of subclinical diabetic macrovascular complications, 136 (OA)
- Antisense oligodeoxynucleotides, homeobox B2
Influence of homeobox B2 antisense oligodeoxynucleotides on the biological characteristics of *in vitro* cultured primary human umbilical vein endothelial cells, 22 (OA)
- Apoptotic pathway
Effect of toluene exposure on the antioxidant status and apoptotic pathway in organs of the rat, 75 (OA)
- Ascorbic acid
Protective role of *Ocimum canum* plant extract on alcohol-induced oxidative stress in albino rats, 80 (OA)
- Aspartate transaminase
Protective role of *Ocimum canum* plant extract on alcohol-induced oxidative stress in albino rats, 80 (OA)
- Audit
Introduction of automatically generated comment in clinical biochemistry: an audit of technical effectiveness, 102 (BS)
- Automatically generated comment
Introduction of automatically generated comment in clinical biochemistry: an audit of technical effectiveness, 102 (BS)
- Bacteria
Difficult-to-identify bacteria: how use of 16S rDNA PCR and gene sequencing can help, 33 (BS)
- Bacterial meningitis
Should long-haul flights carry antibiotics on board to treat acute bacterial meningitis and meningococcal septicaemia?, 201 (BS)
- Bacteriology
Early municipal bacteriology in Brighton, Aberdeen and Bristol: blessing or burden?, 109 (RA)
- Baker's fluid
Use of softening agents to improve the production of formalin-fixed, paraffin-embedded sections of nail tissue: an assessment, 68 (OA)
- BD ProbeTec ET system
Evaluation of the BD ProbeTec ET system for the direct detection of *Mycobacterium tuberculosis* from clinical samples, 7 (OA)
- Bmi-1 expression
Correlation of Bmi-1 expression and telomerase activity in human ovarian cancer, 172 (OA)
- Book reviews
Adams D, Sparrow J (editors): *Enterprise for Life Scientists: Developing Innovation and Entrepreneurship in the Biosciences* (2007): (MJ Dempsey), 218
Boriello SP, Murray PR, Funke G (editors): *Topley and Wilson's Microbiology and Microbial Infections (10th edn): Bacteriology, Vol 1 and 2* (2007): (J Verran), 166
Burton RF: *Biomedical Calculations: Principles and Practice* (2008): (MM Dawson), 218
Fairchild PJ (editor): *Immunological Tolerance: Methods and Protocols. Methods in Molecular Biology, Vol. 380* (2007): (M Dawson), 119
Kiernan J: *Histological and Histochemical Methods (4th edn)* (2008): (G Orchard), 46
Luxton, R: *Clinical Biochemistry (2nd edn)* (2008): (RF Smith), 166
Masur K, Thevenod F, Zanker KS (editors): *Diabetes and Cancer: Epidemiological Evidence and Molecular Links* (2008): (PG McKenna), 219
Mertz WG, Hay RJ: *Topley and Wilson's Microbiology and Microbial Infections (10th edn): Medical Mycology* (2007): (J Verran), 45
Overfield J, Dawson M, Hamer D: *Transfusion Science (2nd edn)* (2007): (P Watson), 47
World Health Organization (WHO): *Diagnostics for Tuberculosis: Global Demand and Market Potential* (2007): (NT Hughes), 46
World Health Organization (WHO): *Global Tuberculosis Control: Surveillance, Planning, Financing: WHO Report 2007* (2007): (NT Hughes), 45

- Wu Q, Merchant FA, Castleman KR: *Microscope Image Processing* (2008): (C Ainley), 219
- Bovine serum albumin
Bovine serum albumin reduces effects of endogenous inhibitors in transport media, facilitating real-time PCR detection of methicillin-resistant *Staphylococcus aureus* from screening swabs, 155 (BS)
- Breast cancer
Serum metastasin mRNA is an important survival predictor in breast cancer, 90 (OA)
- Bronchoalveolar lavage (BAL)
Differences in lymphocyte profile between BAL fluid and human lung tissue from patients with interstitial lung disease, 63 (OA)
- Bukkas
Prevalence of *Salmonella typhi* among food handlers from bukkas in Nigeria, 158 (BS)
- Calcium-binding proteins
Serum metastasin mRNA is an important survival predictor in breast cancer, 90 (OA)
- Campylobacters
Molecular characterisation of urease genes from urease-positive thermophilic campylobacters (UPTC), 148 (OA)
- Campylobacter lari*
Cloning and structural analysis of the full-length cytolethal distending toxin (*cdt*) gene operon from *Campylobacter lari*, 195 (OA)
Genetic heterogeneity of the *dnaK* gene locus including the transcription terminator region in *Campylobacter lari*, 95 (OA)
- Catalase
Protective role of *Ocimum canum* plant extract on alcohol-induced oxidative stress in albino rats, 80 (OA)
- Cefaclor
Comparative *in vitro* antimicrobial procedural efficacy for susceptibility of *Staphylococcus aureus*, *Escherichia coli* and *Pseudomonas* species to chloramphenicol, ciprofloxacin and cefaclor, 178 (OA)
- Cell signalling
Cell signalling is the music of life, 205 (BE)
- Chloramphenicol
Comparative *in vitro* antimicrobial procedural efficacy for susceptibility of *Staphylococcus aureus*, *Escherichia coli* and *Pseudomonas* species to chloramphenicol, ciprofloxacin and cefaclor, 178 (OA)
- Chromogenic *in situ* hybridisation (CISH)
Fluorescence (FISH) and chromogenic (CISH) *in situ* hybridisation in prostate carcinoma cell lines: comparison and use of virtual microscopy, 167 (OA)
- Chromogenic media
Methicillin-resistant *Staphylococcus aureus* detection using chromogenic media: the Sheffield experience, 13 (OA)
- Chromosomal translocation
An unbalanced translocation, der(17)t(1;17)(p13;p11.2), leads to heterozygous loss of *TP53* and is associated with clinical evolution in myelodysplastic syndrome, 36 (BS)
- Ciprofloxacin
Comparative *in vitro* antimicrobial procedural efficacy for susceptibility of *Staphylococcus aureus*, *Escherichia coli* and *Pseudomonas* species to chloramphenicol, ciprofloxacin and cefaclor, 178 (OA)
- Clinical biochemistry
Introduction of automatically generated comment in clinical biochemistry: an audit of technical effectiveness, 102 (BS)
- Clostridium difficile*
Clostridium difficile: from obscurity to superbug, 39 (RA)
- Clustered, regularly interspaced short palindrome repeats (CRISPRs)
Comparison of clustered, regularly interspaced short palindrome repeats in viridans streptococci (*Streptococcus gordonii*, *S. mutans*, *S. sanguinis*, *S. thermophilus*) and in *S. pneumoniae*, 104 (BS)
- Critically ill patients
Effect of low serum total protein on sodium and potassium measurement by ion-selective electrodes in critically ill patients, 128 (OA)
- Cross-infection prevention
Reduction of *Staphylococcus epidermidis* adhesion to indwelling medical devices: a simple procedure, 184 (OA)
- Cyclooxygenases
Effect of toluene exposure on the antioxidant status and apoptotic pathway in organs of the rat, 75 (OA)
- Cystic fibrosis
Molecular epidemiology of *Pseudomonas aeruginosa* in adult patients with cystic fibrosis in Northern Ireland, 18 (OA)
Non-tuberculous mycobacterial infection in adult patients with cystic fibrosis: comparison of three decontamination methods, 28 (BS)
- Cytochrome P450
Lymphocyte cytochrome P450 expression: inducibility studies in male Wistar rats, 1 (OA)
- Cytolethal distending toxin (*cdt*) gene
Cloning and structural analysis of the full-length cytolethal distending toxin (*cdt*) gene operon from *Campylobacter lari*, 195 (OA)
- Data, handling/interpretation
Good analytical practice: statistics and handling data in biomedical science. A primer and directions for authors. Part 1: Introduction. Data within and between one or two sets of individuals, 209 (RA)
- Decontamination methods
Non-tuberculous mycobacterial infection in adult patients with cystic fibrosis: comparison of three decontamination methods, 28 (BS)
- Diabetes mellitus
Extreme hyperglycaemia and hypokalaemia in a 96-year-old diabetic patient: case report and discussion of management issues, 30 (BS)
Relationship between chronic glycaemic control and oxidative stress in type 2 diabetes mellitus, 71 (OA)
- Diabetic macrovascular complications
Oxidative damage indices for the assessment of subclinical diabetic macrovascular complications, 136 (OA)
- DnaK* gene
Genetic heterogeneity of the *dnaK* gene locus including the transcription terminator region in *Campylobacter lari*, 95 (OA)
- DNA structure/replication
Journal-based learning, 167

- Electrodes, ion-selective
Effect of low serum total protein on sodium and potassium measurement by ion-selective electrodes in critically ill patients, 128 (OA)
- Endothelial cells, human umbilical vein
Influence of homeobox B2 antisense oligodeoxynucleotides on the biological characteristics of *in vitro* cultured primary human umbilical vein endothelial cells, 22 (OA)
- Enterobacteriaceae
Detection of ESBL bacteria from clinical specimens: evaluation of a new selective medium, 191 (OA)
- Epidermal growth factor receptor (EGFR)
Leptin stimulates the proliferation of human oesophageal adenocarcinoma cells via HB-EGF- and TGF α -mediated transactivation of the epidermal growth factor receptor, 121 (OA)
- Escherichia coli*
Comparative *in vitro* antimicrobial procedural efficacy for susceptibility of *Staphylococcus aureus*, *Escherichia coli* and *Pseudomonas* species to chloramphenicol, ciprofloxacin and cefaclor, 178 (OA)
- Escherichia coli* O157:H7
Direct molecular (PCR) detection of verocytotoxigenic and related virulence determinants (*eae*, *hly*, *stx*) in *E. coli* O157:H7 from fresh faecal material, 163 (BS)
Molecular characterisation of verocytotoxigenic *Escherichia coli* O157:H7 by random amplification of polymorphic DNA (RAPD) typing, 161 (BS)
- Extended-spectrum β -lactamase (ESBL) bacteria
Detection of ESBL bacteria from clinical specimens: evaluation of a new selective medium, 191 (OA)
- Fabric softener
Use of softening agents to improve the production of formalin-fixed, paraffin-embedded sections of nail tissue: an assessment, 68 (OA)
- Flavonoids
Antagonistic interactions between the flavonoids hesperetin and naringenin and β -lactam antibiotics against *Staphylococcus aureus*, 145 (OA)
- Flow cytometry
Differences in lymphocyte profile between BAL fluid and human lung tissue from patients with interstitial lung disease, 63 (OA)
- Fluorescence *in situ* hybridisation (FISH)
Fluorescence (FISH) and chromogenic (CISH) *in situ* hybridisation in prostate carcinoma cell lines: comparison and use of virtual microscopy, 167 (OA)
- Food handlers
Prevalence of *Salmonella typhi* among food handlers from bukbas in Nigeria, 158 (BS)
- Gene sequencing
Difficult-to-identify bacteria: how use of 16S rDNA PCR and gene sequencing can help, 33 (BS)
- Genotyping
Molecular epidemiology of *Pseudomonas aeruginosa* in adult patients with cystic fibrosis in Northern Ireland, 18 (OA)
- Gentian violet
Reduction of *Staphylococcus epidermidis* adhesion to indwelling medical devices: a simple procedure, 184 (OA)
- γ -Glutamyltransferase
Influence of stable, long-term treatment with phenobarbital on the activity of serum alanine aminotransferase and γ -glutamyltransferase, 132 (OA)
- Glutathione
Protective role of *Ocimum canum* plant extract on alcohol-induced oxidative stress in albino rats, 80 (OA)
- Glycaemic control
Relationship between chronic glycaemic control and oxidative stress in type 2 diabetes mellitus, 71 (OA)
- Good analytical practice
Good analytical practice: statistics and handling data in biomedical science. A primer and directions for authors. Part 1: Introduction. Data within and between one or two sets of individuals, 209 (RA)
- GUM clinic
Mixed HSV-1 and HSV-2 infection in a patient attending a GUM clinic, 203 (BS)
- HB-EGF
Leptin stimulates the proliferation of human oesophageal adenocarcinoma cells via HB-EGF- and TGF α -mediated transactivation of the epidermal growth factor receptor, 121 (OA)
- Heparin
Reduction of *Staphylococcus epidermidis* adhesion to indwelling medical devices: a simple procedure, 184 (OA)
- Heparin-binding epidermal growth factor (HB-EGF)
Leptin stimulates the proliferation of human oesophageal adenocarcinoma cells via HB-EGF- and TGF α -mediated transactivation of the epidermal growth factor receptor, 121 (OA)
- Hepatitis C virus (HCV)
Detection of HCV antibody-negative donations: Saudi experience with nucleic acid testing, 103 (BS)
- Herpes simplex virus (HSV)
Mixed HSV-1 and HSV-2 infection in a patient attending a GUM clinic, 203 (BS)
- Hesperetin
Antagonistic interactions between the flavonoids hesperetin and naringenin and β -lactam antibiotics against *Staphylococcus aureus*, 145 (OA)
- History
Early municipal bacteriology in Brighton, Aberdeen and Bristol: blessing or burden?, 109 (RA)
- Homeobox B2 antisense oligodeoxynucleotides
Influence of homeobox B2 antisense oligodeoxynucleotides on the biological characteristics of *in vitro* cultured primary human umbilical vein endothelial cells, 22 (OA)
- HSV-1
Mixed HSV-1 and HSV-2 infection in a patient attending a GUM clinic, 203 (BS)
- HSV-2
Mixed HSV-1 and HSV-2 infection in a patient attending a GUM clinic, 203 (BS)
- Human umbilical vein endothelial cells
Influence of homeobox B2 antisense oligodeoxynucleotides on the biological characteristics of *in vitro* cultured primary human umbilical vein endothelial cells, 22 (OA)

- Hyperglycaemia**
 Extreme hyperglycaemia and hypokalaemia in a 96-year-old diabetic patient: case report and discussion of management issues, 30 (BS)
- Hyperglycaemic emergency**
 Pheochromocytoma presenting with coexisting acute renal failure, acidosis and in hyperglycaemic emergency, 153 (BS)
- Hypokalaemia**
 Extreme hyperglycaemia and hypokalaemia in a 96-year-old diabetic patient: case report and discussion of management issues, 30 (BS)
- Hyponatraemia**
 Effect of low serum total protein on sodium and potassium measurement by ion-selective electrodes in critically ill patients, 128 (OA)
- Hypoproteinaemia**
 Effect of low serum total protein on sodium and potassium measurement by ion-selective electrodes in critically ill patients, 128 (OA)
- Indwelling medical devices**
 Reduction of *Staphylococcus epidermidis* adhesion to indwelling medical devices: a simple procedure, 184 (OA)
- In situ hybridisation**
 Fluorescence (FISH) and chromogenic (CISH) *in situ* hybridisation in prostate carcinoma cell lines: comparison and use of virtual microscopy, 167 (OA)
- Integron**
 First detection of a class 2 integron among clinical isolates of *Serratia marcescens*, 86 (OA)
- Interstitial lung disease**
 Differences in lymphocyte profile between BAL fluid and human lung tissue from patients with interstitial lung disease, 63 (OA)
- Ion-selective electrodes**
 Effect of low serum total protein on sodium and potassium measurement by ion-selective electrodes in critically ill patients, 128 (OA)
- Journal-based learning**
 DNA structure/replication, 167
 Leukaemia, childhood acute lymphoblastic, 48
 Muscle biopsy, collecting/handling, 120
 Muscle biopsy, histological analysis, 220
 RNA transcription, 167
- Laboratory**
 Early municipal bacteriology in Brighton, Aberdeen and Bristol: blessing or burden?, 109 (RA)
- β -Lactam antibiotics**
 Antagonistic interactions between the flavonoids hesperetin and naringenin and β -lactam antibiotics against *Staphylococcus aureus*, 145 (OA)
- β -Lactamases**
 Detection of ESBL bacteria from clinical specimens: evaluation of a new selective medium, 191 (OA)
- Latex agglutination**
 Evaluation of a new *Staphylococcus aureus* latex agglutination kit, Prolex Staph Xtra, against other third-generation kits, 142 (OA)
- Leptin**
 Leptin stimulates the proliferation of human oesophageal adenocarcinoma cells via HB-EGF- and TGF α -mediated transactivation of the epidermal growth factor receptor, 121 (OA)
- Leukaemia, childhood acute lymphoblastic**
 Journal-based learning, 48
- Lung disease**
 Differences in lymphocyte profile between BAL fluid and human lung tissue from patients with interstitial lung disease, 63 (OA)
- Lymphocytes**
 Differences in lymphocyte profile between BAL fluid and human lung tissue from patients with interstitial lung disease, 63 (OA)
 Lymphocyte cytochrome P450 expression: inducibility studies in male Wistar rats, 1 (OA)
- Medical devices, indwelling**
 Reduction of *Staphylococcus epidermidis* adhesion to indwelling medical devices: a simple procedure, 184 (OA)
- Medium, selective**
 Detection of ESBL bacteria from clinical specimens: evaluation of a new selective medium, 191 (OA)
- Meningitis, bacterial**
 Should long-haul flights carry antibiotics on board to treat acute bacterial meningitis and meningococcal septicaemia?, 201 (BS)
- Meningococcal septicaemia**
 Should long-haul flights carry antibiotics on board to treat acute bacterial meningitis and meningococcal septicaemia?, 201 (BS)
- Metastasin mRNA**
 Serum metastasin mRNA is an important survival predictor in breast cancer, 90 (OA)
- Methicillin-resistant *Staphylococcus aureus* (MRSA)**
 Bovine serum albumin reduces effects of endogenous inhibitors in transport media, facilitating real-time PCR detection of methicillin-resistant *Staphylococcus aureus* from screening swabs, 155 (BS)
 Evaluation of a new *Staphylococcus aureus* latex agglutination kit, Prolex Staph Xtra, against other third-generation kits, 142 (OA)
 Methicillin-resistant *Staphylococcus aureus* detection using chromogenic media: the Sheffield experience, 13 (OA)
- Microwave heat**
 Application of microwave heat to paraffin sections: rapid adhesion of sections to slides, 200 (BS)
- Molecular epidemiology**
 Molecular epidemiology of *Pseudomonas aeruginosa* in adult patients with cystic fibrosis in Northern Ireland, 18 (OA)
- MRSA see Methicillin-resistant *Staphylococcus aureus* (MRSA)**
- Muscle biopsy**
 Collecting/handling, Journal-based learning, 120
 Histological analysis, Journal-based learning, 220
- Mycobacterial infection, non-tuberculous**
 Non-tuberculous mycobacterial infection in adult patients with cystic fibrosis: comparison of three decontamination methods, 28 (BS)

- Mycobacterium tuberculosis*
Evaluation of the BD ProbeTec ET system for the direct detection of *Mycobacterium tuberculosis* from clinical samples, 7 (OA)
- Myelodysplastic syndrome
An unbalanced translocation, der(17)t(1;17)(p13;p11.2), leads to heterozygous loss of *TP53* and is associated with clinical evolution in myelodysplastic syndrome, 36 (BS)
- Nail tissue
Use of softening agents to improve the production of formalin-fixed, paraffin-embedded sections of nail tissue: an assessment, 68 (OA)
- Naringenin
Antagonistic interactions between the flavonoids hesperetin and naringenin and β -lactam antibiotics against *Staphylococcus aureus*, 145 (OA)
- Nucleic acid testing
Detection of HCV antibody-negative donations: Saudi experience with nucleic acid testing, 103 (BS)
- Ocimum canum*
Protective role of *Ocimum canum* plant extract on alcohol-induced oxidative stress in albino rats, 80 (OA)
- Oesophageal adenocarcinoma
Leptin stimulates the proliferation of human oesophageal adenocarcinoma cells via HB-EGF- and TGF α -mediated transactivation of the epidermal growth factor receptor, 121 (OA)
- Ovarian cancer
Correlation of Bmi-1 expression and telomerase activity in human ovarian cancer, 172 (OA)
- Oxidative damage
Oxidative damage indices for the assessment of subclinical diabetic macrovascular complications, 136 (OA)
- Oxidative stress
Effect of toluene exposure on the antioxidant status and apoptotic pathway in organs of the rat, 75 (OA)
Protective role of *Ocimum canum* plant extract on alcohol-induced oxidative stress in albino rats, 80 (OA)
Relationship between chronic glycaemic control and oxidative stress in type 2 diabetes mellitus, 71 (OA)
- Paraffin sections
Application of microwave heat to paraffin sections: rapid adhesion of sections to slides, 200 (BS)
Use of softening agents to improve the production of formalin-fixed, paraffin-embedded sections of nail tissue: an assessment, 68 (OA)
- Patients, critically ill
Effect of low serum total protein on sodium and potassium measurement by ion-selective electrodes in critically ill patients, 128 (OA)
- PCR *see* Polymerase chain reaction (PCR)
- Phaeochromocytoma
Phaeochromocytoma presenting with coexisting acute renal failure, acidosis and in hyperglycaemic emergency, 153 (BS)
- Phenobarbital
Influence of stable, long-term treatment with phenobarbital on the activity of serum alanine aminotransferase and γ -glutamyltransferase, 132 (OA)
- Polymerase chain reaction (PCR)
Bovine serum albumin reduces effects of endogenous inhibitors in transport media, facilitating real-time PCR detection of methicillin-resistant *Staphylococcus aureus* from screening swabs, 155 (BS)
Difficult-to-identify bacteria: how use of 16S rDNA PCR and gene sequencing can help, 33 (BS)
Direct molecular (PCR) detection of verocytotoxigenic and related virulence determinants (*eae*, *hly*, *stx*) in *E. coli* O157:H7 from fresh faecal material, 163 (BS)
Molecular epidemiology of *Pseudomonas aeruginosa* in adult patients with cystic fibrosis in Northern Ireland, 18 (OA)
- Potassium
Effect of low serum total protein on sodium and potassium measurement by ion-selective electrodes in critically ill patients, 128 (OA)
- Prolex Staph Xtra
Evaluation of a new *Staphylococcus aureus* latex agglutination kit, Prolex Staph Xtra, against other third-generation kits, 142 (OA)
- Prostate carcinoma
Fluorescence (FISH) and chromogenic (CISH) *in situ* hybridisation in prostate carcinoma cell lines: comparison and use of virtual microscopy, 167 (OA)
- Pseudomonas*
Comparative *in vitro* antimicrobial procedural efficacy for susceptibility of *Staphylococcus aureus*, *Escherichia coli* and *Pseudomonas* species to chloramphenicol, ciprofloxacin and cefaclor, 178 (OA)
- Pseudomonas aeruginosa*
Molecular epidemiology of *Pseudomonas aeruginosa* in adult patients with cystic fibrosis in Northern Ireland, 18 (OA)
- Random amplification of polymorphic DNA (RAPD)
Molecular characterisation of verocytotoxigenic *Escherichia coli* O157:H7 by random amplification of polymorphic DNA (RAPD) typing, 161 (BS)
Molecular epidemiology of *Pseudomonas aeruginosa* in adult patients with cystic fibrosis in Northern Ireland, 18 (OA)
- rDNA
Difficult-to-identify bacteria: how use of 16S rDNA PCR and gene sequencing can help, 33 (BS)
- Renal failure, acute
Phaeochromocytoma presenting with coexisting acute renal failure, acidosis and in hyperglycaemic emergency, 153 (BS)
- RNA transcription
Journal-based learning, 167
- RT-PCR
Bovine serum albumin reduces effects of endogenous inhibitors in transport media, facilitating real-time PCR detection of methicillin-resistant *Staphylococcus aureus* from screening swabs, 155 (BS)
- Salmonella typhi*
Prevalence of *Salmonella typhi* among food handlers from bukbas in Nigeria, 158 (BS)
- Selective medium
Detection of ESBL bacteria from clinical specimens: evaluation of a new selective medium, 191 (OA)

- Serratia marcescens*
First detection of a class 2 integron among clinical isolates of *Serratia marcescens*, 86 (OA)
- Signalling systems
Cell signalling is the music of life, 205 (BE)
- Sodium
Effect of low serum total protein on sodium and potassium measurement by ion-selective electrodes in critically ill patients, 128 (OA)
- Softening agents
Use of softening agents to improve the production of formalin-fixed, paraffin-embedded sections of nail tissue: an assessment, 68 (OA)
- Staphylococcus aureus*
Antagonistic interactions between the flavonoids hesperetin and naringenin and β -lactam antibiotics against *Staphylococcus aureus*, 145 (OA)
Comparative *in vitro* antimicrobial procedural efficacy for susceptibility of *Staphylococcus aureus*, *Escherichia coli* and *Pseudomonas* species to chloramphenicol, ciprofloxacin and cefaclor, 178 (OA)
Evaluation of a new *Staphylococcus aureus* latex agglutination kit, Prolex Staph Xtra, against other third-generation kits, 142 (OA)
Methicillin resistance *see* Methicillin-resistant *Staphylococcus aureus* (MRSA)
- Staphylococcus epidermidis*
Reduction of *Staphylococcus epidermidis* adhesion to indwelling medical devices: a simple procedure, 184 (OA)
- Statistics
Good analytical practice: statistics and handling data in biomedical science. A primer and directions for authors. Part 1: Introduction. Data within and between one or two sets of individuals, 209 (RA)
- Streptococci, viridans
Comparison of clustered, regularly interspaced short palindrome repeats in viridans streptococci (*Streptococcus gordonii*, *S. mutans*, *S. sanguinis*, *S. thermophilus*) and in *S. pneumoniae*, 104 (BS)
- Streptococcus gordonii*
Comparison of clustered, regularly interspaced short palindrome repeats in viridans streptococci (*Streptococcus gordonii*, *S. mutans*, *S. sanguinis*, *S. thermophilus*) and in *S. pneumoniae*, 104 (BS)
- Streptococcus mutans*
Comparison of clustered, regularly interspaced short palindrome repeats in viridans streptococci (*Streptococcus gordonii*, *S. mutans*, *S. sanguinis*, *S. thermophilus*) and in *S. pneumoniae*, 104 (BS)
- Streptococcus pneumoniae*
Comparison of clustered, regularly interspaced short palindrome repeats in viridans streptococci (*Streptococcus gordonii*, *S. mutans*, *S. sanguinis*, *S. thermophilus*) and in *S. pneumoniae*, 104 (BS)
- Streptococcus sanguinis*
Comparison of clustered, regularly interspaced short palindrome repeats in viridans streptococci (*Streptococcus gordonii*, *S. mutans*, *S. sanguinis*, *S. thermophilus*) and in *S. pneumoniae*, 104 (BS)
- Streptococcus thermophilus*
Comparison of clustered, regularly interspaced short palindrome repeats in viridans streptococci (*Streptococcus gordonii*, *S. mutans*, *S. sanguinis*, *S. thermophilus*) and in *S. pneumoniae*, 104 (BS)
- Superbugs
Clostridium difficile: from obscurity to superbug, 39 (RA)
- Superoxide dismutase
Protective role of *Ocimum canum* plant extract on alcohol-induced oxidative stress in albino rats, 80 (OA)
- Telomerase activity
Correlation of Bmi-1 expression and telomerase activity in human ovarian cancer, 172 (OA)
- Thiobarbituric acid
Protective role of *Ocimum canum* plant extract on alcohol-induced oxidative stress in albino rats, 80 (OA)
- Tocopherols
Protective role of *Ocimum canum* plant extract on alcohol-induced oxidative stress in albino rats, 80 (OA)
- Toluene
Effect of toluene exposure on the antioxidant status and apoptotic pathway in organs of the rat, 75 (OA)
- Total protein
Effect of low serum total protein on sodium and potassium measurement by ion-selective electrodes in critically ill patients, 128 (OA)
- TP53
An unbalanced translocation, der(17)t(1;17)(p13;p11.2), leads to heterozygous loss of TP53 and is associated with clinical evolution in myelodysplastic syndrome, 36 (BS)
- Transcription
Journal-based learning, 167
- Transcription terminator region (TTR)
Genetic heterogeneity of the *dnaK* gene locus including the transcription terminator region in *Campylobacter lari*, 95 (OA)
- Transforming growth factor- α (TGF α)
Leptin stimulates the proliferation of human oesophageal adenocarcinoma cells via HB-EGF- and TGF α -mediated transactivation of the epidermal growth factor receptor, 121 (OA)
- Tuberculosis
Evaluation of the BD ProbeTec ET system for the direct detection of *Mycobacterium tuberculosis* from clinical samples, 7 (OA)
- Urease genes
Molecular characterisation of urease genes from urease-positive thermophilic campylobacters (UPTC), 148 (OA)
- Urease-positive thermophilic campylobacters (UPTC)
Molecular characterisation of urease genes from urease-positive thermophilic campylobacters (UPTC), 148 (OA)
- Viridans streptococci
Comparison of clustered, regularly interspaced short palindrome repeats in viridans streptococci (*Streptococcus gordonii*, *S. mutans*, *S. sanguinis*, *S. thermophilus*) and in *S. pneumoniae*, 104 (BS)
- Virtual microscopy
Fluorescence (FISH) and chromogenic (CISH) *in situ* hybridisation in prostate carcinoma cell lines: comparison and use of virtual microscopy, 167 (OA)
- Wistar rats
Lymphocyte cytochrome P450 expression: inducibility studies in male Wistar rats, 1 (OA)