

PUBLISHED BY PORTLAND PRESS ON BEHALF OF
THE MEDICAL RESEARCH SOCIETY AND THE BIOCHEMICAL SOCIETY

© The Medical Research Society and the Biochemical Society 1997
ISSN 0143-5221

*Typeset by Unicus Graphics Ltd, Horsham,
and printed in Great Britain by Bell and Bain Ltd, Glasgow*

ACKNOWLEDGMENTS

The Editorial Board of *Clinical Science* gratefully acknowledges the assistance given by the following referees during the year 1996.

- Adams, D.
Ager, A.
Aitken, D.
Akselrod, S.
Alexander, W.
Alison, M.
Anderson, R.
Anderson, R.P.
Andersson, K.-E.
Arrol, S.
Astarie Dequecker, C.
Austin, C.
Bagby, G.J.
Bain, S.C.
Bannai, S.
Barclay, R.
Baron, A.D.
Barrett, T.
Basse, J.
Batchelard, H.S.
Bates, D.
Beilin, L.J.
Bell, C.
Bell, D.
Beloucif, S.
Bender, D.
Benetos, A.
Benjamin, N.
Benyon, R.C.
Bernardi, L.
Best, L.
Bharaj, H.
Bhatnagar, D.
Biaggioni, I.
Birch, K.
Bird, P.
Bishop, P.N.
Blaber, A.
Blache, D.
Bolinden, J.
Bolton, C.H.
Booth, D.
Boughton Smith, N.
Bramble, G.
Brenchley, P.
Brown, K.
Brown, N.
Brunengraber, H.
Bukoski, R.D.
Bund, S.J.
Bunday, S.
Burnett, Jr., J.
Burnie, J.P.
Burrell, L.M.
Calder, P.C.
Calver, A.
Campbell, I.
Canfield, A.
Carey, R.
Carlson, M.G.
Carr, S.
Carretero, O.A.
Castigioni, P.
Catto-Smith, T.
Cherrington, A.
Cheung, B.
Chowdhury, T.
Clark, A.
Cline, G.
Coates, A.J.S.
Cochran, M.
Cohn, W.
Cole, A.T.
Connell, J.M.C.
Constant, I.
Cook, D.
Cooper, A.
Cornelissen, G.
Costa, F.
Cramb, R.
Crotty, B.
Cummins, A.
Curzen, N.
Dart, T.
Davey-Smith, G.
Davies, M.
Davies, P.
Davies, T.
Davis, G.
Davison, J.M.
de Leeuw, P.
de Knijff, P.
Demolis, P.
Di Rienzo, M.
Donnelly, A.
Dowling, D.
Driss, F.
Druke, T.
Du, X.-J.
Duc-Goiran, P.
Dudley, C.R.K.
Dullaart, R.P.F.
Duranteau, J.
Durrington, P.N.
Dustan, H.P.
Eadington, D.
Edmunds, M.E.
Edward, M.
Edwards, R.M.
Edwards, S.
Egashira, K.
Eisenhofer, G.
Elliot, J.M.
Elliott, K.
El Nahas, A.M.
Elving, D.L.
Escourrou, P.
Espiner, E.A.
Fallen, E.L.
Fearon, K.
Feldman, R.D.
Firth, J.D.
Fitzgerald, D.
Flakoll, P.J.
Flapon, A.
Fouad-Tarazi, F.M.
Fowler, B.
Franks, S.
Frayn, K.N.
Freeman, D.
Frenneaux, M.P.
Freslon, J.L.
Friberg, P.
Fuller, B.
Fulop, T.
Gammage, M.G.
Gans, R.O.B.
Geissler, C.
Gesser, H.
Gibson, J.N.A.
Gibson, P.
Giembycz, M.
Gilchrist, N.L.
Glenny, R.
Gniadecki, R.
Goldie, R.
Goldstein, R.
Goode, G.K.
Goodship, T.
Gordon, C.
Gosse, P.
Grant, P.
Greenhaff, P.L.
Griffin, B.A.
Griffith, M.
Griffiths, H.R.
Griffiths, R.
Grünfeld, J.P.
Gurney, J.
Hall, G.
Halliday, D.
Hallson, P.C.
Hammond, J.
Hardy, K.J.
Harris, P.
Harrison, B.
Hawryzshyn, P.
Hayes, P.
Haylor, J.
Head, G.A.
Heatley, R.V.
Hecker, M.
Heller, S.R.
Henning, R.H.
Henry, J.
Heptinstall, S.
Herrington, C.S.
Heys, S.D.
Hillier, K.
Hjemdahl, P.
Holder, D.S.
Hounsell, E.F.
Hubscher, S.G.
Hughes, A.
Hughson, R.L.
Huisman, R.M.
Imaizumi, T.
Izzard, A.
Jack, C.I.A.
Jackson, A.
Janssen, W.M.T.
Jardine, A.
Jaworowski, A.
Jebb, S.
Jennings, P.E.
Johnson, P.
Johnston, C.
Jones, D.
Jones, D.A.
Jones, M.
Jose, P.A.
Jungers, P.
Kasidas, G.P.
Katelans, P.
Kato, J.
Kerr, D.
Khtstghiorges, G.
Kingwell, B.
Kinnear, W.
Kirk, S.J.
Klaha, S.
Knight, C.H.
Komesaroff, P.
Kon, V.
Kone, B.C.
Kono, M.
Korner, P.
Kovacs, W.J.
Kumar, A.
Kumar, S.
Lacolley, P.
Lainchbury, J.
Landon, M.
Lang, C.
Lassen, N.A.
Laurent, S.
Ledingham, J.
Le Quan Sang, H.
Levenson, J.
Lindheimer, M.D.
Lindqvist, A.
Lipsitz, L.
Lönnroth, P.
Macdonald, I.A.
MacFadyen, R.J.
Machin, S.
MacNee, B.
Maggs, D.
Mahida, Y.
Mak, J.C.W.
Malliani, A.
Mann, G.E.
Mann, S.
Margolius, H.S.
Mariadason, J.
Martin, J.F.
Mathiesen, E.
Mawer, E.B.
Maxwell, J.D.
May, J.M.
May, M.E.
McArdle, A.
McCaughan, G.

- McColl, K.E.L.
 McGrath, B.
 McGuinness, O.
 McLaren, D.
 McLindon, J.
 McMurray, J.
 McMurtry, I.
 McNeilly, A.S.
 Michael, A.
 Middleton, B.
 Mikhailidis, D.P.
 Millar, J.A.
 Miller, J.A.
 Miller, J.P.
 Mills, K.R.
 Millward, D.J.
 Milne, M.
 Mimran, A.
 Mitch, W.
 Miyauchi, T.
 Moe, G.
 Mogensen, C.E.
 Moore, K.P.
 Moore, M.P.
 Morgan, T.O.
 Morrison, J.
 Morrow, J.
 Morton, J.J.
 Mosqueda-Garcia, R.
 Myers, M.
 Nash, G.
 Navis, G.J.
 Neary, D.
 Newman, C.M.H.
 Nicholls, M.G.
 Nielsen-Kudsk, F.
- Norman, J.
 Nunez, D.
 Nyborg, N.
 O'Brien, C.
 O'Kelly, B.
 O'Kelly, B.F.
 Ohanian, V.
 Onrot, J.
 O'Rourke, M.
 Ouchi, Y.
 Packard, C.J.
 Pacy, P.
 Pagliassotti, M.
 Palmer, R.
 Pannier, B.
 Parfitt, V.
 Park, J.
 Peacock, A.
 Penzel, T.
 Perros, P.
 Phelps, R.
 Phoenix, J.
 Pidgeon, G.
 Piers, L.S.
 Pippard, M.
 Ploth, D.
 Pollitt, R.J.
 Pollock, J.
 Poston, L.
 Powers, A.C.
 Prentice, A.
 Preston, T.
 Quayle, J.
 Rabelink, A.J.
- Radford-Smith, G.
 Rakugi, H.
 Ralston, S.
 Reeds, P.
 Rees, J.A.E.
 Rendu, F.
 Renwick, A.
 Rhodes, J.
 Roberts, T.E.
 Robertson, D.
 Robotham, J.
 Rongen, G.
 Rosenfeldt, F.
 Ross, R.
 Rosseneu, M.
 Round, J.M.
 Rutherford, O.M.
 Sabatini, S.
 Salem, M.
 Samani, N.
 Samuell, C.
 Sanders, T.
 Sands, J.
 Savage, C.
 Scanlon, M.
 Schlatter, E.
 Schlessinger, S.
 Selby, P.L.
 Sharpe, G.
 Sheldon, R.S.
 Shenkin, A.
 Shimozawa, T.
 Shiota, M.
 Shore, A.C.
 Sibony, O.
 Simonsen, U.
- Simpson, O.
 Singer, D.
 Siragy, H.
 Smith, P.
 Smyth, D.
 Soper, C.P.R.
 Soutar, A.
 Spragg, R.
 Stamp, G.
 Stockley, R.
 Stokes, G.S.
 Sun, J.S.
 Sutton, R.
 Taylor, P.K.
 Tepikin, A.V.
 Tepper, T.
 ter Maaten, J.C.
 Thom, S.
 Thompson, J.
 Thurnham, D.
 Toda, N.
 Tonkin, A.L.
 Tooke, J.E.
 Topley, N.
 Town, I.
 Trayhurn, P.
 Trimble, E.R.
 Tunny, T.
 Turkie, W.
 Turnbull, D.M.
 Turner, N.
 Utermann, G.
 Vallance, P.
 van Lieshout, J.J.
 van Zwieten, P.A.
- Wade, D.
 Wagenmakers, A.
 Wagner, C.
 Walker, B.
 Walker, D.
 Walker, M.
 Wallace, H.
 Walley, K.
 Ward-Platt, M.P.
 Warnes, T.W.
 Watt, P.W.
 Webb, D.J.
 Webster, M.
 Weir, E.K.K.
 Weise, F.
 Weissburger, A.
 West, M.J.
 White, M.
 Whitehead, R.
 Whitworth, C.
 Wilkins, M.
 Williams, C.M.
 Williams, J.B.
 Williamson, R.
 Wood, D.A.
 Wroblewski, H.
 Wyatt, J.S.
 Yoshizumi, M.
 Young, V.
 Yung, R.
 Zannad, F.
 Zicha, J.
 Zidek, W.
 Zietse, R.
 Ziegler, D.

Volume 93

AUTHOR INDEX

- Adebayo, G.I. 29–34
Agnati, L.F. 401–411
Ahlner, J. 175–179
Alexander, K. 159–165
Aronson, J.K. 243–248, 249–255
- Bader, M. 435–443
Baker, R. 188–189
Ball, M.J. 581–584
Ballestri, M. 401–411
Baraldi, A. 401–411
Barden, A. 188–189
Barry, P.W. 181–186, 611
Beilin, L.J. 188–189
Bellini, C. 35–41
Benchetrit, S. 227–234
Benjamin, N. 519–525
Bernheim, J. 227–234
Beucler, I. 89–95
Biagini, G. 401–411
Bianco, N.E. 413–421
Biteau, N. 89–95
Blanca, I. 413–421
Bloom, S.R. 109–112, 119–126
Bode-Böger, S.M. 159–165
Böger, R.H. 159–165
Bol, E. 127–135
Boon, N.A. 608–609
Boschi, S. 401–411
Boy, C. 325–333
Braschi, S. 335–341
Brennecke, S.P. 51–55
Buckingham, R.E. 235–241
Buckley, M.G. 363–370
Burchert, W. 159–165
Burrell, L.M. 43–50
Bussièeres, L. 309–316
Butler, R. 391–400
- Campbell, N.P.S. 195–203
Campfield, L.A. 273–277
Carver, J.G. 249–255
Casely, D. 43–50
Cavallero, E. 335–341
Cavanna, J. 335–341
Cawley, M.I.D. 363–370
Cernacek, P. 309–316
Cesari, M. 435–443
Chan, C.-C. 219–225
Charles, A. 335–341
Chiesura-Corona, M. 435–443
- Chipperfield, A.R. 295–298
Chowienczyk, P.J. 513–518
Chu, C.-J. 219–225
Cishek, M.B. 507–511
Clapham, N.C. 565–571
Clarke, S.B. 213–218
Clayton, R.A. 527–533
Cloarec-Blanchard, L. 21–28
Clutterbuck, E.J. 119–126
Cockcroft, J.R. 513–518
Codardini, M. 257–263
Collier, D.J. 611
Collier, G.R. 581–584
Coltart, D.J. 513–518
Comper, W.D. 65–72, 557–564
Cornelissen, G. 299–308
Courtemanche, M. 309–316
Cousins, C. 471–477
Crowe, E. 113–117
Cruciatti, A. 257–263
- Davies, M.J. 287–293
Davis, J.P.L. 295–298
De Gennes, J.-L. 89–95
De Jong, P.E. 73–80
De Jong-de Vos van Steenwijk, C.C.E. 205–211
De Rooij, M.J.M. 7–12
De Sanctis, J.B. 413–421
De Siaty, L. 35–41
De Silva, A. 581–584
De Silva, H.A. 243–248, 249–255
De Toni, R. 435–443
Deenmamode, J. 453–462
Desideri, G. 35–41
Dewit, O. 113–117
Di Iulio, J.L. 51–55
Dores, J. 235–241
Dorling, A. 493–505
Dowsing, B. 167–174
Drake-Holland, A.J. 213–218
- Efendic, S. 137–146
Egawa, H. 81–88
Elia, M. 113–117
Ellory, J.C. 57–64
Elzinga, H. 73–80
Erkelens, D.W. 127–135
Ertl, R.F. 355–362
- Farina, N. 43–50
Faulks, R.M. 585–591
Feely, J. 29–34
Feltrin, G.P. 435–443
Ferri, C. 35–41
Fevry, J. 549–556
Filiberto, Z. 257–263
Forni, L.G. 593–598
Fraser, R.S. 611
Frölich, J.C. 159–165
Fukuda, Y. 355–362
Funck-Brentano, C. 21–28
- Galland, A. 159–165
Galloway, M.T. 507–511
Galton, D.J. 335–341
Gama, R. 343–347
Ganten, D. 435–443
Garmendia, J.V. 413–421
Gasparro, D. 29–34
German, J.B. 507–511
Ghatei, M.A. 109–112, 119–126
Giampietro, O. 431–434
Gibson, P.R. 97–108
Goldsmith, D.J.A. 593–598
Goodlad, R.A. 109–112
Gough, S.C.L. 479–491
Graham, D. 188–189
Gray, T. 371–379
Green, J. 227–234
Gries, F.A. 325–333
Groeneveld, A.B.J. 463–470
Grove, G. 265–271
Guazzi, M. 13–20
Gude, N.M. 51–55
Guida, E. 167–174
Gunasekera, R.D. 471–477
Gutiérrez, Y. 413–421
- Haenen, J.H. 7–12
Halberg, F. 299–308
Hales, C.N. 147–152
Hall, M. 29–34
Hampton, S. 343–347
Hanssen, H. 57–64
Harms, M.P.M. 205–211
Harper, A.A. 295–298
Hart, D.J. 585–591
Hatano, E. 81–88
Haynes, A.C. 565–571
Heijstraten, F.M.J. 7–12

- Hemeryck, L. 29–34
 Heward, J. 479–491
 Hickey, M.J. 167–174
 Hilton, P.J. 593–598
 Hisauchi, T. 541–547
 Hoekstra, J.B.L. 127–135
 Hoffmann, M.M. 335–341
 Hopkin, J.M. 279–286
 Hou, M.-C. 219–225
 Hounsell, E.F. 287–293
 Howard, J.K. 119–126
 Howl, J. 605–606
 Hübinger, A. 325–333
 Huisman, R.M. 73–80
 Hundeshagen, H. 159–165
 Hynd, J. 213–218

 Iancu, T.C. 453–462
 Imaizumi, T. 607–608
 Inomata, Y. 81–88
 Inomoto, T. 81–88
 Iron, A. 89–95
 Ishibashi, K. 153–157
 Ishimitsu, T. 541–547

 Jackson, A.A. 265–271
 Jacotot, B. 335–341
 Jaillon, P. 21–28
 Janssen, M.C.H. 7–12
 Jeffreys, A.J. 383–390
 Jennings, G. 113–117
 Jerums, G. 557–564
 Johnston, C.I. 43–50

 Kajiyama, G. 153–157
 Kambe, M. 153–157
 Kanan, J.H. 599–603
 Kappagoda, C.T. 507–511
 Karim, M. 507–511
 Kawamoto, M. 355–362
 Kay, A. 335–341
 Kiessling, K. 57–64
 Kime, R. 445–451
 King, R.G. 51–55
 Kitai, T. 81–88
 Kiuchi, T. 81–88
 Kloppenburg, W.D. 73–80
 Kneale, B.J. 513–518
 Knight, K.R. 167–174
 Komersova, K. 535–540
 Kotowicz, M.A. 581–584
 Krum, H. 535–540

 Lam, W.F. 573–580
 Lamers, C.B.H.W. 573–580
 Lang, H. 81–88
 Langel, Ü. 605–606
 Langen, K.-J. 325–333

 Langley-Evans, S.C. 423–429
 Lechler, R.I. 493–505
 Leclerc, D. 309–316
 Lee, F.-Y. 219–225
 Lee, J.A. 213–218
 Lee, S.-D. 219–225
 Leppert, J. 175–179
 Li, A. 279–286
 Li, X.C. 191–194
 Ligtenberg, P.C. 127–135
 Lijnen, P. 549–556
 Lin, H.-C. 219–225
 Lipski, M. 21–28
 Ljungqvist, O. 137–146
 Loban, A. 445–451
 Lord, G.M. 119–126
 Louis, W.J. 535–540
 Lu, R.-H. 219–225
 Lyons, D. 519–525

 Mackay, G.A. 279–286
 Macquin-Mavier, I. 21–28
 Maltagliati, A. 13–20
 Mann, G.E. 57–64
 Marangella, M. 257–263
 Marks, V. 343–347
 Martin, I. 611
 Marz, W. 335–341
 Masclee, A.A.M. 573–580
 Mason, N.P. 181–186, 611
 Matsunami, T. 355–362
 Matsuoka, H. 541–547
 Matsuura, H. 153–157
 Matteucci, E. 431–434
 Mazzocchi, C. 35–41
 McGrath, J.C. 527–533
 McKie, A.T. 453–462
 Mendes Ribeiro, A.C. 57–64
 Messa, P. 257–263
 Michael, C.A. 188–189
 Mikes, E. 309–316
 Milledge, J.S. 611
 Miller, M.R. 611
 Minaire, Y. 3–6
 Mion, F. 3–6
 Mioni, G. 257–263
 Moghimi, S.M. 371–379
 Mohammadtoghi, S. 471–477
 Moore, A. 195–203
 Morgan, L. 343–347
 Morgan, P.J. 565–571
 Morris, A.D. 391–400
 Morrison, W.A. 167–174
 Mortola, J.P. 349–354
 Mota, F.F. 599–603
 Mubashar, M. 471–477
 Muller, E.S.M. 573–580

 Müller-Gärtner, H.-W. 325–333
 Myers, M.J. 471–477
 Myrdal, U. 175–179

 Nair, K.S. 137–146
 Nakamura, M. 541–547
 Nally, J.E. 527–533
 Naso, L. 349–354
 Newby, D.E. 608–609
 Nicholls, D.P. 195–203
 Nicholson, G.C. 581–584
 Nishimura, A. 381
 Noble, M.I.M. 213–218
 Norris, F. 343–347
 Nugent, A.-M. 195–203
 Nygren, J. 137–146

 O'Callaghan, C.J. 181–186,
 535–540
 Ogawa, M. 355–362
 Ohrui, M. 541–547
 Oldhafer, K.J. 81–88
 Oshima, T. 153–157
 Osicka, T.M. 65–72, 557–564
 Otsuka, K. 299–308
 Ozanne, S.E. 147–152
 Ozono, R. 153–157

 Paganin, L. 257–263
 Paganini, G. 435–443
 Panagiotopoulos, S. 557–564
 Pasco, J.A. 581–584
 Pascual de Zulueta, M. 89–95
 Patel, M. 519–525
 Pavan, E. 435–443
 Perlemuter, L. 335–341
 Pessina, A.C. 435–443
 Peters, A.M. 471–477
 Peters, T.J. 453–462
 Petry, C.J. 147–152
 Phan, L.H. 167–174
 Pichlmayr, R. 81–88
 Piolot, R. 325–333
 Podjarny, E. 227–234
 Pollard, A.J. 611
 Pollard, P.F.A. 611
 Pollard, R.C. 611
 Powers, H. 445–451
 Pusey, C.D. 119–126

 Rajmakers, P.G.H.M. 463–470
 Raja, K.B. 453–462
 Ratcliffe, B. 109–112
 Rathaus, M. 227–234
 Redman, C.W.G. 187–188
 Ren, S. 363–370
 Rennard, S.I. 355–362
 Richard, P. 89–95

- Ringe, B. 81–88
 Ringqvist, Å. 175–179
 Ringqvist, I. 175–179
 Riordan, M. 181–186
 Risvanis, J. 43–50
 Ritchie, J. 188–189
 Ritter, J.M. 513–518
 Roberts, N.B. 57–64
 Robertson, I. 581–584
 Rosner, G. 3–6
 Rossi, G.P. 435–443
 Rouleau, J.L. 309–316
 Rousseau, M. 3–6
 Roy, S. 519–525

 Sacks, G.P. 187–188
 Salisbury, J.R. 453–462
 Santucci, A. 35–41
 Sargent, I.L. 187–188
 Saris, W.H. 273–277
 Satoh, S. 81–88
 Savage, M.W. 235–241
 Schellong, S.M. 159–165
 Schols, A.M.W.J. 273–277
 Schwartz, L.B. 363–370
 Scott, K.J. 585–591
 Shinohara, H. 81–88
 Shiramoto, M. 607–608
 Simons, J.P.F.H.A. 273–277
 Simpson, R.J. 453–462
 Sinnott, M. 29–34
 Smilde, T.J. 317–324
 Soares, M.J. 265–271
 Solin, M.S. 581–584
 Southon, S. 585–591
 Souverijn, J.H.M. 573–580
 Spurzem, J.R. 355–362
 Stalenhoef, A.F.H. 317–324
 Steele, I.C. 195–203
 Stellaard, F. 73–80

 Stewart, A.G. 167–174
 Stewart, D.J. 309–316
 Stratton, R.J. 113–117
 Strong, R. 471–477
 Struthers, A.D. 391–400
 Studena, K. 187–188
 Suzuki, H. 381
 Swift, C.G. 519–525

 Talajic, M. 309–316
 Tamborini, G. 13–20
 Tanaka, A. 81–88
 Tanaka, K. 81–88
 Tepper, T. 73–80
 Thien, Th. 7–12
 Thomson, N.C. 527–533
 Thorell, A. 137–146
 Torri, C. 401–411
 Toseland, N. 565–571
 Tsai, Y.-T. 219–225
 Tsukada, K. 541–547
 Turner, N.C. 565–571
 Turrin, D. 257–263

 Uemoto, S. 81–88

 Van Asten, W.N.J.C. 7–12
 Van Langen, H. 317–324
 Van Roey, G. 549–556
 Vantaggiato, G. 401–411
 Vantrimpont, P. 309–316
 Verbesselt, R. 549–556
 Verbruggen, A. 549–556
 Videgeon-Hart, M. 565–571
 Villar, R.N. 113–117

 Walker, A.B. 235–241
 Walker-Engström,
 M.-L. 175–179
 Wallace, W.F.M. 607

 Walls, A.F. 363–370
 Walters, B.N. 188–189
 Walters, C. 363–370
 Wang, C.L. 147–152
 Wang, S.-S. 219–225
 Watanabe, M. 153–157
 Waterlow, J.C. 265–271
 Webb, D.J. 608–609
 Weise, F. 325–333
 Wennmalm, Å. 175–179
 Wesseling, K.H. 205–211
 Wheatley, M. 605–606
 White, M. 309–316
 Widdop, R.E. 191–194
 Wieling, W. 205–211
 Williams, G. 235–241
 Wilson, A.J. 97–108
 Wilson, P.D.G. 585–591
 Wollersheim, H. 317–324
 Wollersheim, H. 7–12
 Wolthers, B.G. 73–80
 Wong, W.M. 363–370
 Woollard, D. 43–50
 Wouters, E.F.M. 273–277
 Wright, J. 343–347

 Yagi, S. 541–547
 Yamanaka, N. 355–362
 Yamaoka, Y. 81–88
 Yamashiki, M. 381
 Yoshida, K. 541–547
 Yoshimura, M. 153–157
 Young, M. 287–293

 Zhang, B. 167–174
 Zhang, Q. 335–341
 Ziegler, D. 325–333
 Zoli, M. 401–411
 Zonderland, M.L. 127–135

Volume 93

SUBJECT INDEX

First and last page numbers of papers to which entries refer are given. Page numbers marked with an asterisk refer to Reviews.

- Absorption,
 β -carotene, ileostomy 585–591
- Acetylcholine
 endothelium 607–609
 substance P, N^G -monomethyl-L-arginine 607–609
- Acidosis
 bicarbonate therapy, sodium–proton exchange 593–598
- Acute mountain sickness
 cough, citric acid challenge 181–186
- Adriamycin nephropathy
 hypertension, pregnancy 227–234
- Adult respiratory distress syndrome
 pulmonary leak index, pneumonia 463–470
- Aging
 heart rate variability, gender 299–308
 heart rate variability, vasoconstrictive hormones 309–316
 vasodilatation, nitric oxide 519–525
- Albumin clearance
 kidney, albumin degradation 557–564
- Albuminuria
 endothelin, diabetes mellitus 565–571
 protein degradation, kidney 65–72
- Alcohol
 left ventricular hypertrophy, high-density lipoprotein 541–547
- Altitude
 respiratory tract, citric acid challenge 181–186
- Altitude sickness
 hypoxia, spirometry 611
- Angiotension-converting enzyme
 gene polymorphism, cardiovascular disease 391–400*
- Angiotensin-converting enzyme inhibitors
 high-sodium diet, hypertension 401–411
- Anorexia
 hip replacement surgery, leptin 113–117
 renal failure, leptin 119–126
- Aortic rings
 endothelium-dependent relaxation, red wine 507–511
- Apolipoprotein E,
 hyperlipoproteinaemia, genetic mutation 89–95
- L-Arginine
 endothelium 123–131
 erythrocyte transport, chronic renal failure 57–64
 muscle blood flow, peripheral vascular disease 159–165
- Arthritis
 mast cells, synovial fluid 363–370
- Ascites
 cirrhosis, haemodynamics 549–556
- Atherosclerosis
 intima-media thickness,
 ultrasonography 317–324
- Atopy
 genetics, histamine 279–286
- Atrial natriuretic peptide
 bronchial contraction, endothelin-1 527–533
 neutral endopeptidase, kidney 43–50
- Autoimmune disease
 genetic susceptibility 479–491*
- Autoradiography
 neutral endopeptidase, kidney 43–50
- Basophils
 histamine, atopy 279–286
- Bed rest
 surgical trauma, insulin resistance 137–146
- Bicarbonate therapy
 acidosis, sodium–proton exchange 593–598
- Biliary secretion
 hyperglycaemia, cholecystokinin 573–580
- Blood pressure
 haemodynamics, syncope 205–211
 heart rate variability, spectral analysis 21–28
 pregnancy, vascular reactivity 227–234
 sodium–lithium countertransport, menstrual cycle 29–34
 sodium sensitivity, calcium 153–157
 sympathetic nervous system,
 hyperinsulinaemia 535–540

- Body fat distribution
 obesity, leptin 581–584
- Boyden chamber
 myofibroblasts, α -smooth muscle actin 355–362
- Bradykinin
 G-protein coupled receptor, chimaeric hormones 605–606
- Bronchial contraction
 endothelin-1, bronchodilators 527–533
- Bronchoconstriction
 oxygen saturation, altitude sickness 611
- Bronchodilators
 bronchial contraction, endothelin-1 527–533
- Brown fat
 hypoxia 349–354
- Cachexia
 lung cancer, leptin 273–277
- Calcitropic hormone
 hypertension, sodium sensitivity 153–157
- Calcium
 hypertension, sodium sensitivity 153–157
- Calcium oxalate
 urolithiasis, dietary calcium 257–263
- Calcium-sensitizing drug
 heart failure 213–218
- Calf muscle pump function
 post-thrombotic syndrome 7–12
- Cancer
 cachexia, leptin 273–277
 glycoprotein antigens, NMR spectroscopy 287–293*
- Carbohydrate tumour antigens
 mucin, NMR spectroscopy 287–293*
- Cardiac output
 exercise, heart failure 195–203
- Cardiovascular autonomic function
 QT interval, diabetes 325–333
- Cardiovascular disease
 alcohol, lipids 541–547
 angiotensin-converting enzyme, gene polymorphism 391–400*
- β -Carotene absorption
 ileostomy, kinetic model 585–591
- Carotid artery
 intima-media thickness, ultrasonography 317–324
- Catecholamines
 heart rate variability, aging 309–316
- Cervical biopsy
 DNA amplification, papillomavirus 599–603
- Chemotaxis
 myofibroblasts, α -smooth muscle actin 355–362
- Chimaeric hormones
 neuropeptides, therapeutic use 605–606
- Chloride transport
 vascular smooth muscle, hypertension 295–298
- Cholecystokinin
 pancreatico-biliary secretion, hyperglycaemia 573–580
- Chronic cardiac failure
 exercise, cardiac output 195–203
- Chronic renal failure
 L-arginine, erythrocyte transport 57–64
- Circadian rhythm
 heart rate variability, aging 299–308
 protein turnover, urinary urea 265–271
- Cirrhosis
 haemodynamics, narcotic agents 549–556
 hyperdynamic circulation, cytokines 219–225
- Citric acid challenge
 cough, altitude 181–186
- Cluster analysis
 $[^{13}\text{C}]$ urea breath test, *Helicobacter pylori* infection 3–6
- Cold exposure
 cyclic GMP, primary Raynaud's phenomenon 175–179
- Colon
 epithelial migration, growth factors 97–108*
- Correlation dimension
 heart rate variability, aging 299–308
- Cough
 citric acid challenge, altitude 181–186
- Cyclic GMP
 nephropathy, diabetes mellitus 565–571
 seasonal variation, primary Raynaud's phenomenon 175–179
- Cytokines
 hyperdynamic circulation, cirrhosis 219–225
 monocytes/macrophages, hepatitis C 381
- Deep venous thrombosis
 post-thrombotic syndrome, follow-up study 7–12
- Diabetes
 cardiovascular autonomic function, QT interval 325–333
 endothelin, nephropathy 565–571
 genetic susceptibility 479–491*
 lipoprotein lipase, mutations 335–341
 metabolic control, physical training 127–135
- Dialysis
 L-arginine, erythrocyte transport 57–64
- Dietary calcium
 urolithiasis, calcium oxalate 257–263

- Dietary fibre
intestinal microflora, plasma hormones 109–112
- Diuretics
high-sodium diet, hypertension 401–411
- DNA amplification
papillomavirus, cervical biopsy 599–603
- DNA sequencing
apolipoprotein E, hyperlipoproteinaemia 89–95
- DNA typing
minisatellites, human genome 383–390*
- Elderly
diabetes, physical training 127–135
- Endothelin
diabetes mellitus, nephropathy 565–571
heart rate variability, aging 309–316
- Endothelin-1
bronchial contraction, bronchodilators 527–533
sodium, hypertension 35–41
- Endothelium
L-arginine, *N*^G-monomethyl-L-arginine 607–609
solute extraction, plasma clearance 471–477
- Endothelium-dependent relaxation
flavonoids, red wine 507–511
- Endotoxin
hyperdynamic circulation, cirrhosis 219–225
- Energy intake
hip replacement surgery, leptin 113–117
- Enteroglucagon
dietary fibre, intestinal microflora 109–112
- Eosinophil cationic protein
mast cells, arthritis 363–370
- Epithelial migration
colon, growth factors 97–108*
- Erythrocytes
sodium–hydrogen exchange, pregnancy 431–434
- Ethanol
endothelium-dependent relaxation 507–511
- N-Ethylmaleimide
platelets, potassium–calcium
co-transport 243–248
- Exercise
heart failure, cardiac output 195–203
- Fainting
haemodynamics, hypotension 205–211
- Fasting
surgical trauma, insulin resistance 137–146
- Fat metabolism
entero-insular axis 343–347
- Femoral artery
intima-media thickness,
ultrasonography 317–324
- Fetal growth
protein, hypertension 423–429
- Fibronectin
myofibroblasts, α -smooth muscle actin 355–362
- Flavonoids
endothelium-dependent relaxation, red
wine 507–511
- G-protein coupled receptor
chimaeric hormones, therapeutic use 605–606
- Galanin
G-protein coupled receptor, chimaeric
hormones 605–606
- Gas chromatography–isotope ratio MS
[¹³C]urea, kinetics 73–80
- Gastric inhibitory polypeptide
hypertriglyceridaemia 343–347
- Gastrin
dietary fibre, intestinal microflora 109–112
- Gastrointestinal tract
mucosal injury, epithelial migration 97–108*
- Gender
heart rate variability, aging 299–308
vascular tone, nitric oxide 513–518
- Gene polymorphism
angiotensin-converting enzyme, cardiovascular
disease 391–400*
- Genetic mutation
apolipoprotein E, hyperlipoproteinaemia 89–95
- Genetic susceptibility
autoimmune disease 479–491*
- Glomerular filtration
albumin clearance 557–564
- Glucagon-like peptide-1
hypertriglyceridaemia 343–347
- Glucocorticoids
hypertension, fetal growth 423–429
ischaemia–reperfusion injury, skeletal
muscle 167–174
- Glucose metabolism
surgical trauma, bed rest 137–146
- Glycoprotein
tumour-associated antigens, NMR
spectroscopy 287–293*
- Grave's disease
genetic susceptibility 479–491*
- Growth factors
epithelial migration, gastrointestinal
tract 97–108*
- Growth retardation
insulin resistance syndrome,
hypertension 147–152

- Haemochromatosis
 pancreatitis 453–462
- Haemodialysis
 malnutrition, leptin 119–126
- Haemodynamics
 cirrhosis, narcotic agents 549–556
 syncope, blood pressure 205–211
- Head-up tilt
 pulmonary venous return 13–20
- Heart failure
 calcium-sensitizing drug 213–218
 exercise, cardiac output 195–203
- Heart rate
 m-[¹²³I]iodobenzylguanidine, diabetes 325–333
- Heart rate variability
 blood pressure, spectral analysis 21–28
 correlation dimension, aging 299–308
 vasoconstrictive hormones, aging 309–316
- Helicobacter pylori* infection
 [¹³C]urea breath test, cluster analysis 3–6
- Hepatitis
 monocytes/macrophages, cytokines 381
- High-density lipoprotein
 left ventricular hypertrophy, alcohol 541–547
- High-sodium diet
 hypertension, angiotensin-converting enzyme inhibitors 401–411
- Hip replacement surgery
 energy intake, leptin 113–117
- Histamine
 basophils, atopy 279–286
 mast cells, arthritis 363–370
- Histidine–tryptophan–ketoglutarate solution
 liver transplantation 81–88
- Human genome
 ionizing radiation, minisatellite instability 383–390*
- Human leucocyte antigen gene
 autoimmune disease 479–491*
- Hyperacute rejection
 xenotransplantation, xenograft accommodation 493–505*
- Hyperdynamic circulation
 cytokines, cirrhosis 219–225
- Hyperglycaemia
 pancreatico-biliary secretion, cholecystokinin 573–580
- Hyperinsulinaemia
 sympathetic nervous system, blood pressure 535–540
- Hyperlipoproteinaemia
 apolipoprotein E, genetic mutation 89–95
- Hypertension
 adriamycin nephropathy, pregnancy 227–234
 alcohol, left ventricular hypertrophy 541–547
 angiotensin-converting enzyme inhibitors, high-sodium diet 401–411
 chloride transport, vascular smooth muscle 295–298
 endothelin-1, sodium 35–41
 insulin resistance, pulse wave reflection 535–540
 insulin resistance, vasoconstriction 235–241
 insulin resistance syndrome, protein restriction 147–152
 nitric oxide, pregnancy 413–421
 protein, fetal growth 423–429
 renal vein renin ratio, angiography 435–443
 sodium sensitivity, calcium 153–157
 systolic blood pressure, tail cuff apparatus 191–194
- Hypotension
 haemodynamics, syncope 205–211
- Hypotransferrinaemia
 pancreatitis 453–462
- Hypoxia
 altitude sickness, spirometry 611
 non-shivering thermogenesis 349–354
- Ileostomy
 β-carotene absorption, kinetic model 585–591
- Immunoglobulin
 histamine, atopy 279–286
- Insulin
 hypertriglyceridaemia, gastric inhibitory polypeptide 343–347
- Insulin resistance
 hypertension, vasoconstriction 235–241
 pulse wave reflection, blood pressure 535–540
 surgical trauma, bed rest 137–146
- Insulin resistance syndrome
 protein restriction, hypertension 147–152
- Interstitial space
 plasma clearance, solvent extraction 471–477
- Intestinal microflora
 dietary fibre, plasma hormones 109–112
- Intima-media thickness
 ultrasonography, reproducibility 317–324
- m*-[¹²³I]iodobenzylguanidine
 cardiovascular autonomic function, diabetes 325–333
- Ionizing radiation
 human genome, minisatellite instability 383–390*
- Iron-binding capacity
 plasma albumin, lipid peroxidation 445–451
- Iron overload
 pancreatitis 453–462

- Ischaemia–reperfusion**
 nitro-L-arginine methyl ester, skeletal muscle 167–174
Isosorbide dinitrate
 bronchial contraction, endothelin-1 527–533
- Kidney**
 albumin clearance and degradation 557–564
 natriuretic peptides, autoradiography 43–50
 protein degradation, albuminuria 65–72
- Kinetics**
 isotope dilution, [¹³C]urea 73–80
- Left ventricular hypertrophy**
 high-density lipoprotein, alcohol 541–547
- Leptin**
 cachexia, lung cancer 273–277
 energy intake, hip replacement surgery 113–117
 obesity, body fat distribution 581–584
 renal failure, anorexia 119–126
- Lipaemia**
 lipoprotein lipase, mutations 335–341
- Lipid peroxidation**
 plasma albumin, iron binding-capacity 445–451
- Lipids**
 alcohol, cardiovascular disease 541–547
- Lipoprotein lipase**
 mutations, diabetes 335–341
- Liver**
 transplantation, histidine–tryptophan–ketoglutarate solution 81–88
- Long-circulating particles**
 macrophage clearance 371–379
- Lung cancer**
 cachexia, leptin 273–277
- Lung injury**
 pulmonary leak index, adult respiratory distress syndrome 463–470
- Macrophage clearance**
 poloxamine-coated particles 371–379
- Macrophages**
 cytokines, hepatitis C 381
- Malnutrition**
 renal failure, leptin 119–126
- Mast cells**
 histamine, atopy 279–286
 synovial fluid, arthritis 363–370
- Menstrual cycle**
 sodium–lithium countertransport, blood pressure 29–34
- Metabolic control**
 diabetes, physical training 127–135
- Metacholine**
 bronchial contraction, bronchodilators 527–533
- Microvascular permeability**
 plasma clearance, solvent extraction 471–477
- Minisatellite instability**
 ionizing radiation, human genome 383–390*
- N^G-Monomethyl-L-arginine**
 acetylcholine, substance P 607–609
 endothelium 607–609
 erythrocyte transport, chronic renal failure 57–64
 vascular tone, gender 513–518
 vasodilatation, aging 519–525
- Monocytes**
 cytokines, hepatitis C 381
- Mucin**
 tumour-associated antigens, NMR spectroscopy 287–293*
- Mucosal injury**
 gastrointestinal tract, epithelial migration 97–108*
- Multiple sclerosis**
 genetic susceptibility 479–491*
- Muscle**
 ischaemia–reperfusion injury, nitric oxide synthase 167–174
- Muscle blood flow**
 peripheral vascular disease, L-arginine 159–165
- Mutation**
 lipoprotein lipase, diabetes 335–341
 minisatellites, human genome 383–390*
- Myofibroblasts**
 α -smooth muscle actin, fibronectin 355–362
- Narcotic agents**
 haemodynamics, cirrhosis 549–556
- Natriuretic peptides**
 neutral endopeptidase, kidney 43–50
- Nephropathy**
 endothelin, diabetes mellitus 565–571
- Neuropeptides**
 chimaeric hormones, therapeutic use 605–606
- Neutral endopeptidase inhibition**
 kidney, autoradiography 43–50
- Neutrophils**
 CD11b expression, pre-eclampsia 187–189
- Nitric oxide**
 hyperdynamic circulation, cirrhosis 219–225
 muscle blood flow, peripheral vascular disease 159–165
 pregnancy, hypertension 227–234, 413–421
 vascular tone, gender 513–518
 vasodilatation, aging 519–525

- Nitric oxide synthase
 ischaemia–reperfusion injury, skeletal muscle 167–174
 placenta, pre-eclampsia 51–55
- Nitro-L-arginine methyl ester
 ischaemia–reperfusion injury, skeletal muscle 167–174
- Nitrogen flux
 protein turnover, circadian rhythm 265–271
- Non-shivering thermogenesis
 hypoxia 349–354
- Noradrenaline
 acetylcholine, substance P 607–609
 vascular tone, gender 513–518
- Obesity
 body fat distribution, leptin 581–584
 hypertension, insulin resistance syndrome 147–152
 insulin resistance, vasoconstriction 235–241
 lipoprotein lipase, mutations 335–341
- Oxygen saturation
 altitude sickness, bronchoconstriction 611
- Pancreatic polypeptide
 pancreatico-biliary secretion, hyperglycaemia 573–580
- Pancreatico-biliary secretion
 hyperglycaemia, cholecystokinin 573–580
- Pancreatitis
 hypotransferrinaemia 453–462
- Papillomavirus
 DNA amplification, cervical biopsy 599–603
- Peptide YY
 dietary fibre, intestinal microflora 109–112
- Peripheral vascular disease
 L-arginine, muscle blood flow 159–165
- Physical training
 metabolic control, diabetes 127–135
- Placenta
 nitric oxide synthase, pre-eclampsia 51–55
- Plasma albumin
 iron binding-capacity, lipid peroxidation 445–451
- Plasma clearance
 endothelium, solute extraction 471–477
- Plasma hormones
 dietary fibre, intestinal microflora 109–112
- Platelets
 potassium–calcium co-transport, *N*-ethylmaleimide 243–248
 potassium channels, thrombin 249–255
- Pneumonia
 pulmonary leak index, adult respiratory distress syndrome 463–470
- Poloxamine-coated particles
 macrophage clearance 371–379
- Portal hypertension
 cirrhosis, cytokines 219–225
- Positron emission tomography
 muscle blood flow, L-arginine 159–165
- Post-thrombotic syndrome
 deep venous thrombosis, follow-up study 7–12
- Potassium–calcium co-transport
 N-ethylmaleimide, platelets 243–248
- Potassium channels
 platelets, thrombin 249–255
- Pre-eclampsia
 neutrophils, CDIIb expression 187–189
 nitric oxide 413–421
 nitric oxide synthase, placenta 51–55
- Pregnancy
 hypertension, adriamycin nephropathy 227–234
 neutrophil CDIIb expression, pre-eclampsia 187–189
 nitric oxide, hypertension 413–421
 sodium–hydrogen exchange, erythrocytes 431–434
- Primary Raynaud's phenomenon
 cyclic GMP, seasonal variation 175–179
- Prostaglandins
 endothelium 607–609
- Protein
 fetal growth, hypertension 423–429
- Protein degradation
 kidney, albuminuria 65–72
- Protein restriction
 hypertension, insulin resistance syndrome 147–152
- Protein turnover
 circadian rhythm, urinary urea 265–271
- Proteinuria
 endothelin, diabetes mellitus 565–571
- Psoriasis
 genetic susceptibility 479–491*
- Pulmonary leak index
 adult respiratory distress syndrome, pneumonia 463–470
- Pulmonary venous return
 head-up tilt 13–20
- Pulse wave reflection
 hyperinsulinaemia, blood pressure 535–540
- QT interval
 cardiovascular autonomic function, diabetes 325–333

- Red wine
 endothelium-dependent relaxation,
 flavonoids 507–511
- Renal failure
 kinetics, [¹³C]urea 73–80
 malnutrition, leptin 119–126
- Renal haemodynamics
 diabetes mellitus, endothelin 565–571
 narcotic agents, cirrhosis 549–556
- Renal vein renin ratio
 renovascular hypertension, angiography 435–443
- Renin
 renovascular hypertension, angiography 435–443
- Renovascular hypertension
 renin, angiography 435–443
- Respiratory tract
 citric acid challenge, altitude 181–186
- Rheumatoid arthritis
 genetic susceptibility 479–491*
- Salbutamol
 bronchial contraction, endothelin-1 527–533
- α-Smooth muscle actin
 myofibroblasts, fibronectin 355–362
- Sodium
 hypertension, endothelin-1 35–41
- Sodium–hydrogen exchange
 erythrocytes, pregnancy 431–434
- Sodium–lithium countertransport
 blood pressure, menstrual cycle 29–34
- Sodium nitroprusside
 bronchial contraction, endothelin-1 527–533
- Sodium–potassium–calcium co-transport
 potassium–calcium co-transport,
 platelets 243–248
- Sodium–potassium–chloride co-transport
 vascular smooth muscle, hypertension 295–298
- Sodium–proton exchange
 acidosis, bicarbonate therapy 593–598
- Sodium sensitivity
 hypertension, calcium 153–157
- Solute extraction
 endothelium, plasma clearance 471–477
- Spectral analysis
 heart rate variability, blood pressure 21–28
- Spirometry
 hypoxia, altitude sickness 611
- 11β-Steroid dehydrogenase
 hypertension, fetal growth 423–429
- Stroke-prone spontaneously hypertensive rats
 high-sodium diet, angiotensin-converting enzyme
 inhibitors 401–411
- Substance P
 acetylcholine, N^G-monomethyl-L-
 arginine 607–609
 arginine 607–609
- Supine venous pump function test
 post-thrombotic syndrome 7–12
- Surgical trauma
 energy intake, leptin 113–117
 glucose metabolism, fasting 137–146
- Sympathetic activity
 heart rate variability, spectral analysis 21–28
- Sympathetic nervous system
 blood pressure, hyperinsulinaemia 535–540
- Syncope
 haemodynamics, blood pressure 205–211
- Systolic blood pressure
 tail cuff apparatus, hypertension 191–194
- T-cell xenoresponse
 xenotransplantation, hyperacute
 rejection 493–505*
- T-lymphocyte-associated-4 gene
 autoimmune disease 479–491*
- Tail cuff apparatus
 systolic blood pressure, hypertension 191–194
- Thermoregulation
 hypoxia 349–354
- Thrombin
 potassium channels, platelets 249–255
- Thrombosis
 post-thrombotic syndrome, follow-up study 7–12
- Thyroid disease
 genetic susceptibility 479–491*
- Transferrin
 iron-binding capacity, lipid
 peroxidation 445–451
- Transplantation
 liver, histidine–tryptophan–ketoglutarate
 solution 81–88
- Triglycerides
 entero-insular axis 343–347
- Tryptase
 mast cells, arthritis 363–370
- Tumour necrosis factor
 hyperdynamic circulation, cirrhosis 219–225
- Ultrasonography
 intima-media thickness, atherosclerosis 317–324
- Uraemia
 L-arginine, erythrocyte transport 57–64
- [¹³C]Urea
 kinetics, gas chromatography–isotope ratio
 MS 73–80

- [¹³C]Urea breath test
 - cluster analysis, *Helicobacter pylori* infection 3–6
- Urinary ammonia
 - protein turnover, circadian rhythm 265–271
- Urinary nitrate
 - vasodilatation, aging 519–525
- Urinary urea
 - protein turnover, circadian rhythm 265–271
- Urolithiasis
 - dietary calcium, calcium oxalate 257–263

- Vascular reactivity
 - pregnancy, nitric oxide 227–234
- Vascular smooth muscle
 - chloride transport, hypertension 295–298

- Vascular tone
 - nitric oxide, gender 513–518
- Vasoconstriction
 - insulin resistance, hypertension 235–241
- Vasodilatation
 - nitric oxide, aging 519–525
- Vasopressin
 - G-protein coupled receptor, chimaeric hormones 605–606
- Venous occlusion plethysmography
 - acetylcholine, substance P 607–609

- Xenotransplantation
 - hyperacute rejection, xenograft accommodation 493–505*