

A U T H O R I N D E X

- Abe, M.** 381–387
Aengevaeren, W. R. M. 153–162
Agewall, S. 87–91
Al-Amri, M. 201–207
Ammons, M. C. B. 1–20
Andersen, N. H. 53–59
Ashman, N. 389–399
Askew, C. D. 401–409
- Baldi, M.** 71–80
Barden, A. E. 289–294
Barrett, P. H. R. 193–199
Beidleman, B. A. 163–169
Beilin, L. J. 289–294
Bhattacharya, S. 35–46
Bolbrinker, J. 365–372
Bonatti, J. 225–231
Brunini, T. M. 389–399
- Calderone, A.** 217–224
Cameron, J. D. 71–80
Caron, A. 217–224
Caterson, I. D. 281–287
Celermajer, D. S. 281–287
Chan, D. C. 193–199
Channer, K. S. 265–274
Chase, A. 233–249
Chen, S. 333–340
Chen, S.-J. 253–263
Chia, S. 275–280
Chu, M.-L. 253–263
Cianflone, K. 201–207
Cross, N. C. P. 233–249
Cruden, N. L. 275–280
Curi, R. 307–317
Cury-Boaventura, M. F. 307–317
Cymerman, A. 163–169
- DeLeo, F. R.** 1–20
Dell'Omoo, G. 357–364
Del Prato, S. 357–364
Dinesen, D. S. 53–59
Döring, A. 365–372
Dover, A. R. 275–280
- Dunstan, J. A.** 289–294
Dupuis, J. 217–224
- Edirisinghe, I.** 145–151
Eiskjær, H. 53–59
Eldadah, B. A. 209–216
Erdmann, J. 365–372
- Farouque, H. M. O.** 71–80
Farthing, C. R. 35–46
Ferguson, J. W. 275–280
Fersterer, J. 225–231
Flyvbjerg, A. 53–59
Fotino, C. 357–364
Fox, K. A. A. 275–280
Fukuoka, T. 319–324
Fulco, C. S. 163–169
- Gaffney, J.** 171–183
Gamble, A. J. 47–52
Giannocco, G. 307–317
Glennie, M. J. 93–106
Goldstein, D. S. 209–216
Gosby, A. K. 281–287
Grattagliano, I. 135–143
Gray, J. C. 93–106
Green, S. 401–409
Gu, D. 333–340
- Hahn, R. G.** 127–134
Hammerer-Lercher, A. 225–231
Hansen, K. W. 53–59
Harbinson, M. T. 47–52
Helleberg, K. 53–59
Hense, H.-W. 365–372
Hernberg, Å. 87–91
Higaki, J. 319–324
Higashikata, T. 325–331
Hirata, Y. 381–387
Ho, L. M. L. 281–287
Hoefer, D. 225–231
Holmes, C. S. 209–216
Holzmann, S. 225–231
Hope, S. A. 71–80
Hsieh, S.-L. 253–263
- Huang, W.** 333–340
Hughes, S. 47–52
- Iliescu, R.** 251–252
Imig, J. D. 21–34
Imthurn, B. 81–86
Inazu, A. 325–331
Irawan, C. 81–86
- Jansen, R. W. M. M.** 153–162
Jasmin, J.-F. 217–224
Jensen, B. L. 61–70
Ji, J. 193–199
Johnson, A. G. 193–199
Johnson, P. W. M. 93–106
Jones, R. D. 265–274
Jones, T. H. 265–274
- Kangawa, K.** 381–387
Kappagoda, C. T. 145–151
Katsuda, S. 325–331
Kawashiri, M.-a. 325–331
Keizer, H. A. 119–126
Knudsen, S. T. 53–59
Kobayashi, J. 325–331
Komesaroff, P. 107–118
Kreutz, R. 365–372
Krupinski, J. 171–183
Kuipers, H. 119–126
Kumar, P. 171–183
Kumar, S. 171–183
Kuneš, J. 295–305
Kurata, M. 319–324
Kuse, S. 81–86
- Lauterburg, B. H.** 135–143
Leeners, B. 81–86
Lefebvre, F. 217–224
Leung, M. 71–80
Lewis, G. F. 185–187
Lewis, S. F. 163–169
Li, B. 333–340
Liao, C.-L. 253–263
Libby, P. 341–347
Lieb, W. 365–372
Lieverse, A. G. 119–126
- Ling, S.** 107–118
Lockhart, C. J. 47–52
Lucchesi, D. 357–364
- Mabuchi, H.** 325–331
MacDonald, S. T. 35–46
Mair, J. 225–231
Malkin, C. J. 265–274
Mallick, I. H. 373–380
Manders, R. J. F. 119–126
Mann, G. E. 389–399
Martins de Lima, T. 307–317
Mathias, C. J. 189–191
Matsuo, H. 381–387
McCormick Hallam, K. 145–151
McGivern, R. C. 47–52
McVeigh, G. E. 47–52
Meex, R. C. R. 119–126
Megson, I. L. 275–280
Mendes Ribeiro, A. C. 389–399
Meredith, I. T. 71–80
Michelsen, J. 61–70
Miwa, K. 325–331
Moak, J. P. 209–216
Mogensen, C. E. 53–59
Mori, T. A. 289–294
Muza, S. R. 163–169
- Nagai, R.** 381–387
Nagata, D. 381–387
Natal, C. 341–347
Neumaier-Wagner, P. 81–86
Newby, D. E. 275–280
Nishimatsu, H. 381–387
Nohara, A. 325–331
Nunes, M. T. 307–317
Nuzzo, R. 341–347
Nyström, T. 127–134
- Okura, T.** 319–324
Ooi, E. M. M. 193–199
Ottosen, P. D. 61–70

- | | | | |
|---|---|--|---|
| P alasciano, G. 135–143
Palmieri, V. O. 135–143
Pechnik, S. L. 209–216
Pedrinelli, R. 357–364
Penno, G. 357–364
Plumb, R. D. 47–52
Portincasa, P. 135–143
Poulsen, P. L. 53–59
Poulsen, S. H. 53–59
Praet, S. F. E. 119–126
Préfontaine, A. 217–224
Prescott, S. L. 289–294
Pucci, L. 357–364
Puschendorf, B. 225–231

Q uinn, M. T. 1–20

R ath, W. 81–86
Rea, D. 47–52
Reckelhoff, J. F. 251–252
Remmen, J. J. 153–162 | R uttmann, E. 225–231
Rye, K.-A. 193–199

S aleem, A. M. 209–216
Sanderson, B. E. 401–409
Sata, M. 381–387
Sawka, M. N. 163–169
Schechter, C. 71–80
Schönbeck, U. 341–347
Schunkert, H. 365–372
Seifalian, A. M. 373–380
Sériès, F. 349–355
Sjöstrand, F. 127–134
Skilton, M. R. 281–287
Skøtt, O. 61–70
Skrinari, G. S. 163–169
Slevin, M. 171–183
Smith, J. 201–207
Sniderman, A. 201–207
Staab, J. E. 163–169 | S tehouwer, C. D. A. 119–126
Stellaard, F. 135–143
Stevenson, M. 47–52
Stewart, I. B. 401–409
Stocker, R. 281–287
Su, S. 333–340
Sudhir, K. 107–118
Suzuki, E. 381–387
Sytwu, H.-K. 253–263

T akahashi, M. 381–387
Takata, M. 325–331
Takeda, R. 381–387
Thiesson, H. 61–70

v an Loon, L. J. C. 119–126
Varo, N. 341–347
Verheugt, F. W. A. 153–162
Verin, E. 349–355 | V illeneuve, L. 217–224

W alker, P. J. 401–409
Walter, S. 61–70
Wang, C.-C. 253–263
Wang, C.-J. 253–263
Wang, W. 349–355
Watanabe, S. 319–324
Watts, G. F. 193–199
Winslet, M. C. 373–380
Wolsley, C. 47–52
Wood, R. E 401–409
Wu, B. 281–287

Y amagishi, M. 325–331
Yang, W. 333–340
Yaqoob, M. M. 389–399

Z hao, W. 333–340
Zicha, J. 295–305 |
|---|---|--|---|

VOLUME III

S U B J E C T I N D E X

- A**drenaline
 β -blocker, tilt testing 189–191, 209–216
- Adrenomedullin
 bone-marrow-derived cell, collateral development 381–387
 hypoxia, renal cell carcinoma 61–70
- Airway dynamics
 breathing route, mouth opening 349–355
- Angiogenesis
 ischaemic stroke, revascularization 171–183
- Angiotensin I-converting enzyme (ACE)
 gene polymorphism, hypertension 357–364
- Angiotensin I-converting enzyme 2 (ACE2)
 coronary heart disease, gender 333–340
- Antitumour therapy
 immunotherapy, stimulatory monoclonal antibody 93–106
- Aortic structure
 endothelial function, prenatal nutrition 281–287
- Apolipoprotein B (apoB)
 body composition, vascular disease 201–207
 lipid transport protein, metabolic syndrome 185–187, 193–199
- Arachidonic acid metabolite
 eicosanoid, renal vascular function 21–34
- L-Arginine transport
 proximal tubular epithelial cell, system b^{0,+} 389–399
- Atherosclerosis
 cholesteryl ester transfer protein (CETP), familial hypercholesterolaemia 325–331
 hypertension, osteopontin 319–324
- B**acterial meningitis
 non-typeable *Haemophilus influenzae*, Th1/Th2 response 253–263
- β -Blocker
 neurally mediated hypotension, vasovagal syncope 189–191, 209–216
- Blood flow velocity waveform
 nitric oxide, ophthalmic artery 47–52
- Blood pressure
 n-3 fatty acid, pregnancy 289–294
- Body composition
 apolipoprotein B (apoB), vascular disease 201–207
- Body mass index (BMI)
 hypertension, pregnancy 81–86
- Bone-marrow-derived cell
 adrenomedullin, collateral development 381–387
- Breath test
 fatty liver, non-alcoholic steatohepatitis 135–143
- Breathing route
 airway dynamics, mouth opening 349–355
- C**apillary permeability
 endothelial dysfunction, hypertension 357–364
- Cardiovascular disease
 cellular mechanism, oestrogen 107–118
 environmental factor, genetic determinant 295–305
 fetal growth, prenatal nutrition 281–287
- Cardiovascular risk
 cytokine, soluble CD40 ligand (sCD40L) 341–347
- Cell death
 fatty acid, macrophage 307–317
- Cellular homeostasis
 NAPDH oxidase, reactive oxygen species 1–20
- C**ellular mechanism
 cardiovascular disease, oestrogen 107–118
- Cholesteryl ester transfer protein (CETP)
 atherosclerosis, familial hypercholesterolaemia 325–331
- Collateral development
 adrenomedullin, bone-marrow-derived cell 381–387
- Congestive heart failure
 pulmonary renin–angiotensin system, structural remodelling 217–224
- Continuous subcutaneous glucose monitoring
 glycaemic control, Type II diabetes 119–126
- Coronary artery by-pass graft
 natriuretic peptide, vasorelaxation 225–231
- Coronary artery disease
 flavanol-rich cocoa, vascular function 71–80
- Coronary heart disease
 angiotensin I-converting enzyme 2 (ACE2), gender 333–340
- Cytochrome P450 3A (CYP3A)
 hypertension, left ventricular mass 365–372
- Cytokine
 cardiovascular risk, soluble CD40 ligand (sCD40L) 341–347
- D**evelopment
 myocardium, vasculature 35–46
- E**icosanoid
 arachidonic acid metabolite, renal vascular function 21–34
- Endothelial function
 aortic structure, prenatal nutrition 281–287
 smoking, statin 87–91

- Endothelium-dependent relaxation
non-esterified fatty acid (free fatty acid), superoxide dismutase 145–151
- Environmental factor
cardiovascular disease, genetic determinant 295–305
- Exercise
peripheral arterial disease, vascular endothelial growth factor (VEGF) 401–409
- F**amilial hypercholesterolaemia
atherosclerosis, cholestrylo ester transfer protein (CETP) 325–331
- n*-3 Fatty acid
blood pressure, pregnancy 289–294
- Fatty acid
cell death, macrophage 307–317
- Fatty liver
breath test, non-alcoholic steatohepatitis 135–143
- Fenofibrate
metabolic syndrome, peroxisome-proliferator-activated receptor- α (PPAR- α) 185–187, 193–199
- Flavanol-rich cocoa
coronary artery disease, vascular function 71–80
- G**ender
angiotensin I-converting enzyme 2 (ACE2), coronary heart disease 333–340
- Gene polymorphism
angiotensin I-converting enzyme (ACE), hypertension 357–364
- Genetic determinant
cardiovascular disease, environmental factor 295–305
- Glycaemic control
continuous subcutaneous glucose monitoring, Type II diabetes 119–126
- H**aem oxygenase
ischaemia/reperfusion injury, multiple organ failure 373–380
- Haematological malignancy
signal transduction therapy, tyrosine kinase 233–249
- Heart failure
inducible nitric oxide synthase (iNOS), vascular tone 275–280
- pulmonary capillary wedge pressure, Valsalva manoeuvre 153–162
- testosterone, vascular reactivity 251–252, 265–274
- H**ydration
Type II diabetes, volume kinetics 127–134
- H**ypertension
angiotensin I-converting enzyme (ACE), gene polymorphism 357–364
- atherosclerosis, osteopontin 319–324
- body mass index (BMI), pregnancy 81–86
- cytochrome P450 3A (CYP3A), left ventricular mass 365–372
- H**ypoxia
adrenomedullin, renal cell carcinoma 61–70
- I**mmunotherapy
antitumour therapy, stimulatory monoclonal antibody 93–106
- Inducible nitric oxide synthase (iNOS)
heart failure, vascular tone 275–280
- Intermittent altitude exposure
stress response, white blood cell 163–169
- Ischaemia/reperfusion injury
pyrrolidine dithiocarbamate (PDTC), small bowel 373–380
- Ischaemic stroke
angiogenesis, revascularization 171–183
- L**eft ventricular mass
cytochrome P450 3A (CYP3A), hypertension 365–372
- Lipid level
pregnancy, fish oil 289–294
- Lipid transport protein
apolipoprotein B (apoB), metabolic syndrome 185–187, 193–199
- M**acrophage
cell death, fatty acid 307–317
- Metabolic control
Type II diabetes, ventricular function 53–59
- Metabolic syndrome
apolipoprotein B (apoB), lipid transport protein 185–187, 193–199
- Mouth opening
airway dynamics, breathing route 349–355
- Myocardium
development, vasculature 35–46
- N**APDH oxidase
cellular homoeostasis, reactive oxygen species 1–20
- Natriuretic peptide
coronary artery by-pass graft, vasorelaxation 225–231
- Neurally mediated hypotension
 β -blocker, vasovagal syncope 189–191, 209–216
- Nitric oxide
blood flow velocity waveform, ophthalmic artery 47–52
- Non-alcoholic steatohepatitis
breath test, fatty liver 135–143
- Non-esterified fatty acid (free fatty acid)
endothelium-dependent relaxation, superoxide dismutase 145–151
- Non-typeable *Haemophilus influenzae*
bacterial meningitis, Th1/Th2 response 253–263
- O**estrogen
cardiovascular disease, cellular mechanism 107–118
- Ophthalmic artery
blood flow velocity waveform, nitric oxide 47–52
- Osteopontin
atherosclerosis, hypertension 319–324
- P**eripheral arterial disease
exercise, vascular endothelial growth factor (VEGF) 401–409
- Pregnancy
blood pressure, *n*-3 fatty acid 289–294
- body mass index (BMI), hypertension 81–86
- Prenatal nutrition
aortic structure, endothelial function 281–287
- Proximal tubular epithelial cell
L-arginine, transport system b^{0,+} 389–399
- Pulmonary capillary wedge pressure
heart failure, Valsalva manoeuvre 153–162

Pulmonary renin–angiotensin system	Stress response	Vascular disease
congestive heart failure, structural remodelling 217–224	intermittent altitude exposure, white blood cell 163–169	apolipoprotein B (apoB), body composition 201–207
Pyrrolidine dithiocarbamate (PDTC)	Structural remodelling	Vascular endothelial growth factor (VEGF)
ischaemia/reperfusion injury, small bowel 373–380	congestive heart failure, pulmonary renin–angiotensin system 217–224	exercise, peripheral arterial disease 401–409
R eactive oxygen species	Superoxide dismutase	Vascular function
cellular homoeostasis, NAPDH oxidase 1–20	endothelium-dependent relaxation, non-esterified fatty acid (free fatty acid) 145–151	coronary artery disease, flavanol-rich cocoa 71–80
Renal cell carcinoma	System b ^{0,+}	Vascular reactivity
adrenomedullin, hypoxia 61–70	L-arginine transport, proximal tubular epithelial cell 389–399	heart failure, testosterone 251–252, 265–274
Renal vascular function	T estosterone	Vascular tone
arachidonic acid metabolite, eicosanoid 21–34	heart failure, vascular reactivity 251–252, 265–274	heart failure, inducible nitric oxide synthase (iNOS) 275–280
Revascularization	Th1/Th2 response	Vasculation
angiogenesis, ischaemic stroke 171–183	bacterial meningitis, non-typeable <i>Haemophilus influenzae</i> 253–263	development, myocardium 35–46
S ignal transduction therapy	Type II diabetes	Vasorelaxation
haematological malignancy, tyrosine kinase 233–249	continuous subcutaneous glucose monitoring, glycaemic control 119–126	coronary artery by-pass graft, natriuretic peptide 225–231
Small bowel	hydration, volume kinetics 127–134	Vasovagal syncope
ischaemia/reperfusion injury, pyrrolidine dithiocarbamate (PDTC) 373–380	metabolic control, ventricular function 53–59	β-blocker, neurally mediated hypotension 189–191, 209–216
Smoking	Tyrosine kinase	Ventricular function
endothelial function, statin 87–91	haematological malignancy, signal transduction therapy 233–249	metabolic control, Type II diabetes, 53–59
Soluble CD40 ligand (sCD40L)	V alsalva manoeuvre	Volume kinetics
cardiovascular risk, cytokine 341–347	heart failure, pulmonary capillary wedge pressure 153–162	hydration, Type II diabetes 127–134
Statin		W hite blood cell
endothelial function, smoking 87–91		intermittent altitude exposure, stress response 163–169
Stimulatory monoclonal antibody		
antitumour therapy, immunotherapy 93–106		