EDITORIALS

Mapping monocyte subsets to identify cardiovascular risk
M. Angelo and L. Giuseppe 989

Cardiomyocyte-specific Gq signalling and arrhythmias: novel insights from DREADD technology
C. Ferrantini, R. Coppini, and L. Sacconi 992

Tumour necrosis factor α sets area postrema on fire in renovascular hypertension
J. Liu and J. Wu 995

Is IL-12 pro-inflammatory or anti-inflammatory? Depends on the blood pressure
D. Balasubramanian, B. L. Goodlett, and B. M. Mitchell 998

REVIEWS

Pivotal role of membrane substrate transporters on the metabolic alterations in the pressure-overloaded heart
I. M. E. Geraets, J. F. C. Glatz, J. J. F. P. Luiken, and M. Nabben 1000

The epicardial adipose tissue and the coronary arteries: dangerous liaisons
R. Madonna, M. Massaro, E. Scoditti, I. Pescetelli, and R. De Caterina 1013

RESEARCH LETTER

Fibrin biofilm can be detected on intracoronary thrombi aspirated from patients with acute myocardial infarction
M. Za ˛bczyk, J. Natorska, J. Zalewski, and A. Undas 1026

ORIGINAL ARTICLES

Atherosclerosis and lipid biology
Loss of CXCR4 on non-classical monocytes in participants of the Women’s Interagency HIV Study (WIHS) with subclinical atherosclerosis

Humoral factors secreted from adipose tissue-derived mesenchymal stem cells ameliorate atherosclerosis in Ldlr−/− mice
Y. Takafuji, M. Hori, T. Mizuno, and M. Harada-Shiba 1041

Cardiac electrophysiology and arrhythmia
DREADD technology reveals major impact of Gq signalling on cardiac electrophysiology

Cardiac remodelling and heart failure
C1q-tumour necrosis factor-related protein-3 exacerbates cardiac hypertrophy in mice
Z.-G. Ma, Y.-P. Yuan, X. Zhang, S.-C. Xu, C.-Y. Kong, P. Song, N. Li, and Q.-Z. Tang 1067

Structural evidence for a new elaborate 3D-organization of the cardiomyocyte lateral membrane in adult mammalian cardiac tissues

For information about purchasing a copy of this issue and for the current issue price, please go to: https://academic.oup.com/cardiovascres/subscribe
Renal biology
In renovascular hypertension, TNF-α type-1 receptors in the area postrema mediate increases in cardiac and renal sympathetic nerve activity and blood pressure
W. S. Korim, K. Elsaafien, J. R. Basser, A. Setiadi, C. N. May, and S. T. Yao

Vascular pathophysiology
Interleukin-12p35 knockout promotes macrophage differentiation, aggravates vascular dysfunction, and elevates blood pressure in angiotensin II-infused mice

Cardiovascular Research Onlife

Spotted by the Scientists of Tomorrow
Nanobiologics: a real game changer for targeted immunotherapy
A. J. Iqbal

Clinical Commentaries
Reduced hospitalization for heart failure using anti-diabetic drug dapagliflozin: implications of DECLARE-TIMI 58 for the basic science community
H. Kondo and N. Takahashi

Omega-3 polyunsaturated fatty acids: is their future VITALized or REDUCEd?
G. Grzegorz

Leaders in Cardiovascular Research
Leaders in Cardiovascular Research: Peter Libby
T. J. Guzik and P. Libby

Invited Onlife Commentary
Importance of quality control in ‘big data’: implications for statistical inference of electronic health records in clinical cardiology
G. P. Martin and M. A. Mamas

Conference Report
Cardiovascular Research at the American College of Cardiology Scientific Sessions 2019: the meeting’s highlights
A. K. Dey

For the Onlife content associated with this issue, please visit https://academic.oup.com/cardiovascres/issue