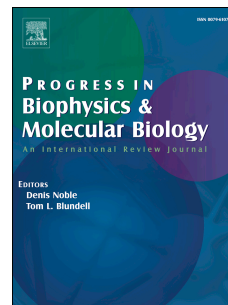


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Load-dependent effects of apelin on murine cardiomyocytes

Remi Peyronnet^{1,2*}✉, Christian Bollensdorff^{2,3*}, Rebecca A. Capel^{4*}, Eva A. Rog-Zielinska^{1,2}, Christopher E. Woods⁵, David N. Charo⁵, Oleg Lookin⁶, Giovanni Fajardo⁵, Michael Ho⁵, Thomas Quertermous⁵, Euan A. Ashley⁵, Peter Kohl^{1,2}

¹ Institute for Experimental Cardiovascular Medicine, University Heart Centre Freiburg · Bad Krozingen, Medical School of the University of Freiburg, Germany

² Imperial College London, NHLI, Heart Science Centre, UK

³ Sidra Medical and Research Center, Qatar Foundation, Qatar

⁴ Department of Pharmacology, University of Oxford, UK

⁵ Stanford University Division of Cardiovascular Medicine, Stanford, USA

⁶ Ural Branch of the Russian Academy of Sciences, Ekaterinburg, Russian Federation,

* These authors contributed equally to the work.

✉ **Corresponding author:** remi.peyronnet@universitaets-herzzentrum.de

Key words:

Carbon fibres, stretch, Frank-Starling Gain, contractility, lusitropy

Abbreviations:

APJ:	apelin receptor
APJ-KO:	apelin receptor knock out
CF:	carbon fibre
EDSLR:	end diastolic stress length relation
ESSLR:	end systolic stress length relation
KO:	knock out
FFT:	Fast Fourier Transform
FSG:	Frank-Starling Gain
FSS:	fractional sarcomere shortening
MABP:	mean arterial blood pressure
NT:	normal Tyrode solution
PK:	protein kinase
RSL:	resting sarcomere length
TAC:	trans-aortic constriction
TTP:	time to peak contraction
TTRel:	time to 90% relaxation
VmaxCon:	maximum velocity of contraction
VmaxRel:	maximum velocity of relaxation
WT:	wild type

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