Supplementary Table 1. Primer sequences for qPCR.

Peptide name	Gene		Sequence
NP system			
Atrial natriuretic peptide (ANP)	*Nppa*	S	GAGCGGACTAGGCTGCAACAG
		AS	GCTCCAGGAGGGTATTCACCA
B-type natriuretic peptide (BNP)	*Nppb*	S	ACAATCCACGATGCAGAAGCT
		AS	GGGCCTTGGTCCTTTGAGA
Cardiac hypertrophy-related genes			
GATA4	*Gata4*	S	AGCAGCAGCAGTGAAGAGA
		AS	TCTGAGTGACAGGAGATGGA
GATA6	*Gata6*	S	CTCTGAAGGCCTCATACCAC
		AS	CTGACAGGAATAGGCCACAC
Ep300	*Ep300*	S	GGGACTAACCAATGGTGGTG
		AS	ATTGGGAGAAGTCAAGCCTG
MEF2c	*Mef2c*	S	ATTGTGTGCTGTTCCACCTC
		AS	CCACCTGTGTTACCTGCACT
Control			
β-actin	*β-actin*	S	GACGTTGACATCCGTAAAGACC
		AS	TAGGAGCCAGGGCAGTAATCT

NP system: natriuretic peptide system

S: sense (forward direction), AS: antisense (reverse direction).

Supplementary Table 2. Primary antibodies used for polychromatic flow cytometry analysis of bone marrow composition.

	Target	Dilution	Fluorophore	Clone	Company	Catalogue Number
Myeloid Panel	His48	1:200	FITC	His48	eBioscience	11-0570-82
	CD11b	1:200	PerCP-ef710	OX42	eBioscience	46-0110-80
	CD45	1:100	APC	OX1	eBioscience	17-0461-82
	Viability	1:1000	Violet	–	Invitrogen	L34963
	CD43	1:100	PE	W3/13	Biolegend	202812
	B220	1:100	PE-Cy7	His24	eBioscience	25-0460-82
Lymphoid Panel	CD8	1:100	FITC	OX8	eBioscience	11-0084-82
	CD3	1:50	PerCP-ef710	eBioG4.18 (G4.18)	eBioscience	46-0030-82
	CD45	1:100	APC	OX1	eBioscience	17-0461-82
	Viability	1:1000	Violet	–	Invitrogen	202812
	CD4	1:50	PE	OX35	eBioscience	12-0040-82
	B220	1:100	PE-Cy7	His24	eBioscience	25-0460-82

Supplementary Table 3. Cardiac function: Hemodynamic parameter, echocardiography data and pulse-wave velocity values at 24 weeks of age.

Cardiac function	Male Control	Male LPS	Female Control	Female LPS
Blood pressure	(N=13)	(N=14)	(N=11)	(N=13)
Mean arterial pressure (mmHg)	103.8 ± 5.3	109.8 ± 4.0	109.4 ± 3.5	110.0 ± 2.2
Systolic pressure (mmHg)	124.9 ± 5.1	130.0 ± 4.0	131.7 ± 3.7	133.9 ± 2.5
Diastolic pressure (mmHg)	93.2 ± 5.6	99.7 ± 4.1	98.2 ± 3.4	98.0 ± 2.2
Pulse pressure (mmHg)	31.8 ± 2.5	30.3 ± 1.2	33.5 ± 1.1	35.9 ± 1.3
Heart rate (bpm)	357 ± 10	333 ± 8.0	359 ± 12	346 ± 17
Echocardiography	(N=12)	(N=12)	(N=10)	(N=12)
Ejection fraction (%)	71.8 ± 1.0	71.9 ± 1.2	78.4 ± 1.5	73.9 ± 1.5
Fractional shortening (%)	42.8 ± 0.8	42.9 ± 1.1	48.4 ± 1.5	44.3 ± 1.4
Cardiac output (ml/min)	93.0 ± 4.5	98.1 ± 4.7	68.8 ± 4.3	70.2 ± 3.7
Mitral E/A index	1.38 ± 0.10	1.37 ± 0.08	1.45 ± 0.14	1.23 ± 0.12
Tei (Myocardial performance) index	0.53 ± 0.02	0.52 ± 0.03	0.53 ± 0.02	0.58 ± 0.01
Pulse-wave velocity	(N=10)	(N=11)	(N=9)	(N=12)
PWV (m/s)	5.39 ± 0.22	5.21 ± 0.21	4.91 ± 0.15	5.13 ± 0.11
β index	0.987 ± 0.067	0.973 ± 0.084	0.760 ± 0.053	0.856 ± 0.042

All values are presented as mean ± SEM

bpm = beats per minute

Mitral E/A index = ratio of the early (E) to late (A) ventricular filling velocities

PWV = pulse-wave velocity

β index=2.11 x (PWV_2/Diastolic pressure)

Supplementary Table 4. Immune composition of bone marrow from F1 offspring.

			% CD45$^+$ Live Cells					
			B cells	**CD4$^+$ T cells**	**CD8$^+$ T cells**	**CD43$^+$ Monocytes**	**CD43$^-$ Monocytes**	**Granulocytes**
Female	12 Weeks	Control	19.89 ± 4.43	0.13 ± 0.05[a]	0.72 ± 0.1[d]	1.81 ± 0.50	29.54 ± 3.1	40.3 ± 6.49
		LPS	24.5 ± 0.75	0.10 ± 0.02[b]	0.6525 ± 0.05[e]	1.80 ± 0.46	27.56 ± 3.03	39.73 ± 5.13
	24 Weeks	Control	20.8 ± 4.13	0.1562 ± 0.03[c]	1.08 ± 0.24[f]	1.63 ± 0.15	23.52 ± 2.05	43.14 ± 4.69
		LPS	22.33 ± 4.61	0.4 ± 0.09 [a,b,c]	2.27 ± 0.09 [d,e,f]	1.78 ± .10	28.23 ± 2.92	35.63 ± 3.95
Male	12 Weeks	Control	21.86 ± 4.0	0.08 ± 0.02	0.59 ± 0.06[g]	2 ± 0.51	28.78 ± 2.99	39.8 ±4.17
		LPS	23.25 ± 2.70	0.04 ± 0.01	0.375 ± 0.07[h,i]	1.27 ± 0.75	30.75 ± 4.91	37.18 ± 3.27
	24 Weeks	Control	25.32 ± 3.95	0.14 ± 0.04	1.15 ± 0.22[i]	1.96 ± 0.53	25.4 ± 1.59	35.54 ± 5.77
		LPS	19.87 ± 5.76	0.11 ± 0.04	1.1725 ± 0.22[g,h]	1.07 ± 0.16	27.175 ± 0.33	44.43 ± 5.54

Data are represented as mean + SEM. N = 4-6 rats per timepoint per treatment group for each sex. Cell phenotyping was performed by flow cytometry using various lineage markers (see Supplementary Figure 1 for gating strategy). Within the data table, cells with the same superscripted letter denote significant differences ($p<0.05$) from each other as determined using 2-way ANOVA followed by Tukey's post hoc test.