

Supplementary Table 1

The primers of gene sequences list			
Name	Gene ID	PCR primer	Product Length(bp)
HSP90AA1	3320	F 5'- AGGAGGTTGAGACGTTTCGC -3'	223
		R 5'- AGAGTTCGATCTTGTGGTTTCGG -3'	
HSP90AB1	3326	F 5'- GGATGACAGCGGTAAGGATAAG -3'	245
		R 5'- GAGCCCGACGAGGAATAAATAG -3'	
ACTB	60	F 5'- GCCATGTACGTTGCTATCCA -3'	112
		R 5'- CCTCGTAGATGGGCACAGT -3'	

Annealing Temperatures: 60°C

Supplementary Table 2

Collinearity diagnosis of independent variables							
Variable	Unstandardized		Standardized	t	p	Collinearity Statistics	
	Coefficients	Std.Error	Coefficients			Tolerance	VIF
	B		β				
Constant	0.008	1.069		0.007	0.994		
Age	0.023	0.007	0.401	3.150	0.003	0.653	1.533
BMI	-0.009	0.026	-0.050	-0.367	0.715	0.568	1.761
2hFBG	-0.005	0.017	-0.034	-0.281	0.780	0.725	1.379
GLU	0.009	0.013	0.088	0.706	0.483	0.680	1.471
HbA1c	0.015	0.035	0.064	0.445	0.658	0.517	1.933
CRP	0.002	0.002	0.135	0.714	0.479	0.297	3.363
TG	0.094	0.062	0.526	1.518	0.135	0.088	11.318
CHOL	-0.229	0.159	-0.601	-1.441	0.155	0.061	16.405
HDL	0.248	0.366	0.115	0.667	0.501	0.367	2.722
LDL	0.279	0.186	0.399	1.500	0.139	0.150	6.684
WBC	-0.008	0.029	-0.046	-0.286	0.776	0.400	2.503
Hb	-0.001	0.004	-0.037	-0.286	0.776	0.635	1.575
Hsp90 α	0.001	0.001	0.283	2.303	0.025	0.699	1.431
Hsp90 β	0.002	0.001	0.236	1.994	0.051	0.758	1.319
MDA	-0.007	0.043	-0.022	-0.173	0.863	0.629	1.590

Supplementary Table 3

Univariate logistic regression analysis: Comparing patients with DLEAD and DM

Variable	B	Std.Error	p value	OR	95%CI
Gender					
Male	Ref	Ref	Ref	Ref	Ref
Female	-0.368	0.490	0.453	0.692	0.265-1.807
Age	0.110	0.029	<0.001	1.117	1.055-1.182
BMI	0.147	0.092	0.111	1.159	0.967-1.388
Course					
<5 years	Ref	Ref	Ref	Ref	Ref
5-10 years	2.132	0.837	0.011	8.433	1.634-43.521
>10 years	2.625	0.816	0.001	13.800	2.789-68.293
Smoking	0.324	0.540	0.549	1.382	0.480-3.985
Hypertension	0.736	0.533	0.167	2.088	0.735-5.933
Hyperlipidemia	1.297	0.551	0.018	3.659	1.244-10.767
Family history	1.766	0.683	0.010	5.846	1.534-22.284
2h PBG	0.062	0.065	0.341	1.064	0.937-1.208
GLU	-0.034	0.038	0.363	0.966	0.898-1.040
HbA1c	-0.018	0.092	0.844	0.982	0.820-1.177
CRP	0.022	0.017	0.188	1.022	0.989-1.056
TG	0.125	0.138	0.365	1.133	0.864-1.486
CHOL	-0.122	0.144	0.397	0.885	0.668-1.174
HDL	-0.806	0.643	0.210	0.447	0.127-1.576
LDL	-0.455	0.263	0.083	0.635	0.379-1.062
WBC	0.168	0.097	0.082	1.183	0.979-1.431
Hb	-0.025	0.013	0.059	0.975	0.950-1.001
Hsp90 α	0.004	0.002	0.071	1.004	1.000-1.009
Hsp90 β	0.004	0.003	0.150	1.004	0.999-1.009
MDA	0.046	0.136	0.738	1.047	0.801-1.367

Supplementary Table 4

Univariate logistic regression analysis: Comparing patients with DCLI and DM

Variable	B	Std.Error	P value	OR	95%CI
Gender					
Male	Ref	Ref	Ref	Ref	Ref
Female	-0.059	0.531	0.911	0.942	0.333-2.670
Age	0.181	0.036	<0.001	1.199	1.116-1.287
BMI	0.114	0.102	0.265	1.121	0.917-1.370
Course					
<5 years	Ref	Ref	Ref	Ref	Ref
5-10 years	1.749	0.958	0.068	5.750	0.879-37.622
>10 years	3.196	0.853	<0.001	24.437	4.593-130.010
Smoking	-0.249	0.636	0.695	0.779	0.224-2.712
Hypertension	1.638	0.590	0.006	5.143	1.617-16.355
Hyperlipidemia	1.179	0.602	0.050	3.250	0.998-10.580
Family history	0.553	0.786	0.482	1.739	0.372-8.172
2h PBG	-0.042	0.073	0.567	0.959	0.831-1.107
GLU	0.025	0.036	0.491	1.025	0.955-1.099
HbA1c	-0.185	0.111	0.097	0.831	0.668-1.034
CRP	0.030	0.017	0.074	1.030	0.997-1.064
TG	0.077	0.150	0.607	1.081	0.805-1.451
CHOL	-0.449	0.207	0.030	0.639	0.425-0.958
HDL	-0.569	0.686	0.407	0.566	0.147-2.173
LDL	-0.736	0.310	0.017	0.479	0.261-0.879
WBC	0.257	0.102	0.012	1.293	1.058-1.580
Hb	-0.061	0.015	<0.001	0.941	0.913-0.969
Hsp90 α	0.011	0.003	<0.001	1.011	1.005-1.016
Hsp90 β	0.010	0.003	0.001	1.010	1.004-1.016
MDA	0.433	0.158	0.006	1.542	1.132-2.099

Supplementary Fig. S1. Model of extracellular Hsp90 α promotes inflammatory

damage to trigger atherosclerosis.

Hsp90 is abundantly expressed in the serum of diabetic atherosclerosis patients and

the expression area of Hsp90 α was consistent with the area of inflammatory

infiltration in human atherosclerosis. A hallmark of early atherosclerosis is the

chemotaxis of monocytes. We found that under oxidative stress conditions, endothelial cells can release a large amount of extracellular Hsp90, and eHsp90 α can effectively promote monocytes migration by upregulation of LRP1. For this reason, strategies aimed at reducing circulating Hsp90a production may limit the progression of atherosclerosis by inhibiting monocytes migration.