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قسم الأحياء الجنائية

دور الخلايا الجذعية (DBMSCs) في تحديد المسار الجزيئي الناتج عن التهاب الخلايا

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## LIST OF ABBREVIATIONS

No	Abbreviation	Full description
1	ACE	Angiotensin I converting enzyme (peptidyl-dipeptidase A) 1
2	APOB	Apolipoprotein B (including Ag(x) antigen)
3	ABCA1	ATP-binding cassette, sub-family A (ABC1), member 1
4	APOA1	Apolipoprotein A-1
5	APOE	Apolipoprotein E
6	BIRC3	Baculoviral IAP repeat containing 3
7	BAX	BCL2-associated X protein
8	BCL2	B-cell CLL/lymphoma 2
9	BCL2A1	BCL2-related protein A1
10	BCL2L1	BCL2-like
11	BID	BH3 interacting domain death agonist
12	CCL2	Chemokine (C-C motif) ligand 2
13	CCL5	Chemokine (C-C motif) ligand 5
14	CCR1	Chemokine (C-C motif) receptor 1
15	CCR2	Chemokine (C-C motif) receptor 2
16	CD44	CD44 molecule (Indian blood group)
17	CDH5	Cadherin 5, type 2 (vascular endothelium)
18	COL3A1	Collagen, type III, alpha 1
19	CSF1	Colony stimulating factor 1 (macrophage)

20	<b>CSF2</b>	<b>Colony stimulating factor 2 (granulocyte-macrophage)</b>
21	<b>CTGF</b>	<b>Connective tissue growth factor</b>
22	<b>CFLAR</b>	<b>CASP8 and FADD-like apoptosis regulator</b>
23	<b>DBMSCs</b>	<i>decidua basalis</i> Mesenchymal stem cells
24	<b>EGR A</b>	<b>Early growth response A</b>
25	<b>ENG</b>	<b>Endoglin</b>
26	<b>FABP3</b>	<b>Fatty acid binding protein 3, muscle and heart (mammary-derived growth inhibitor)</b>
27	<b>FN1</b>	<b>Fibronectin 1</b>
28	<b>FAS</b>	<b>Fas (TNF receptor superfamily, member 6)</b>
29	<b>FGA</b>	<b>Fibrinogen alpha chain</b>
30	<b>FGF2</b>	<b>Fibroblast growth factor 2 (basic)</b>
31	<b>HBEGF</b>	<b>Heparin-binding EGF-like growth factor</b>
32	<b>HUVEC</b>	<b>Human umbilical vein endothelial cells</b>
33	<b>ICAM1</b>	<b>Intercellular adhesion molecule 1</b>
34	<b>IL2</b>	<b>Interleukin 2</b>
35	<b>IL5</b>	<b>Interleukin 5</b>
36	<b>IL3</b>	<b>Interleukin 3</b>
37	<b>IFNG</b>	<b>Interferon, gamma</b>
38	<b>IL1A</b>	<b>Interleukin 1, alpha</b>
39	<b>IL4</b>	<b>Interleukin 4</b>
40	<b>ITGA2</b>	<b>Integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2 receptor)</b>
41	<b>ITGB2</b>	<b>Integrin, beta 2</b>

42	<b>ITGA5</b>	<b>Integrin, alpha 5</b>
43	<b>ITGA1</b>	<b>Integrin, alpha 1</b>
44	<b>IL1R1</b>	<b>interleukin 1 receptor type 1</b>
45	<b>IL1R2</b>	<b>interleukin 1 receptor type 2</b>
46	<b>KLF2</b>	<b>Kruppel-like factor 2 (lung)</b>
47	<b>KDR</b>	<b>Kinase insert domain receptor</b>
48	<b>LDL</b>	<b>Low density lipoprotein</b>
49	<b>LDLR</b>	<b>Low density lipoprotein receptor</b>
50	<b>LPA</b>	<b>Lipoprotein, Lp(a)</b>
51	<b>LPL</b>	<b>Lipoprotein lipase</b>
52	<b>LIF</b>	<b>Leukemia inhibitory factor</b>
53	<b>LAMA1</b>	<b>Laminin, alpha 1</b>
54	<b>MMP1</b>	<b>Matrix metalloproteinase 1 (interstitial collagenase)</b>
55	<b>MMP3</b>	<b>Matrix metalloproteinase 3 (stromelysin 1, progelatinase)</b>
56	<b>MSR1</b>	<b>Macrophage scavenger receptor 1</b>
57	<b>MSCs</b>	<b>Mesenchymal stem cells</b>
58	<b>MMPs</b>	<b>matrix metalloproteinase's</b>
59	<b>NFKB1</b>	<b>Nuclear factor of kappa light polypeptide gene enhancer in B-cells 1</b>
60	<b>NOS3</b>	<b>Nitric oxide synthase 3 (endothelial cell)</b>
61	<b>NR1H3</b>	<b>Nuclear receptor subfamily 1, group H, member 3</b>
62	<b>NPY</b>	<b>Neuropeptide Y</b>
63	<b>oxLDL</b>	<b>oxidized low-density lipoprotein</b>

64	<b>PBS</b>	<b>phosphate buffered saline</b>
65	<b>PDGFA</b>	<b>Platelet-derived growth factor alpha polypeptide</b>
66	<b>PDGFB</b>	<b>Platelet-derived growth factor beta polypeptide</b>
67	<b>PDGFRB</b>	<b>Platelet-derived growth factor receptor, beta polypeptide</b>
68	<b>PPARA</b>	<b>Peroxisome proliferator-activated receptor alpha</b>
69	<b>PPARG</b>	<b>Peroxisome proliferator-activated receptor gamma</b>
70	<b>PLIN2</b>	<b>Perilipin 2</b>
71	<b>PTGS1</b>	<b>Prostaglandin-endoperoxide synthase 1</b>
72	<b>PPARD</b>	<b>Peroxisome proliferator-activated receptor delta</b>
73	<b>RXRA</b>	<b>Retinoid X receptor, alpha</b>
74	<b>SOD1</b>	<b>superoxide dismutase1</b>
75	<b>SPP1</b>	<b>Secreted phosphoprotein 1</b>
76	<b>SELE</b>	<b>Selectin E</b>
77	<b>SELL</b>	<b>Selectin L</b>
78	<b>SELPLG</b>	<b>Selectin P ligand</b>
79	<b>SERPINB2</b>	<b>Serpin peptidase inhibitor, clade B (ovalbumin), member 2</b>
80	<b>SERPINE1</b>	<b>Serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1</b>
81	<b>THBS4</b>	<b>Thrombospondin 4</b>
82	<b>TNC</b>	<b>Tenascin C</b>
83	<b>TNF</b>	<b>Tumor necrosis factor</b>
84	<b>TNFAIP3</b>	<b>Tumor necrosis factor, alpha-induced protein 3</b>
85	<b>TNF-<math>\alpha</math></b>	<b>tumor necrosis factor-<math>\alpha</math></b>

<b>86</b>	<b>TGFB1</b>	<b>Transforming growth factor, beta 1</b>
<b>87</b>	<b>TGFB2</b>	<b>Transforming growth factor, beta 2</b>
<b>88</b>	<b>Th1</b>	<b>T-helper 1 cells</b>
<b>89</b>	<b>Th2</b>	<b>T-helper 2 cells</b>
<b>90</b>	<b>Th17</b>	<b>T-helper 17 cells</b>
<b>91</b>	<b>VEGFA</b>	<b>Vascular endothelial growth factor A</b>
<b>92</b>	<b>VCAM1</b>	<b>Vascular cell adhesion molecule 1</b>
<b>93</b>	<b>VWF</b>	<b>Von Willebrand factor</b>