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CALCINEURIN IN SKIN: RISING STAR OR FALLEN ANGEL?

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Ne quid nimis

- *Terentius*

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LIST OF ABBREVIATIONS

AD	Alzheimer ' s disease	MALDI	matrix-assisted laser desorption/ionization
AI	autoinhibitory	MAPK	mitogen-activated protein kinase
AKAP	A-kinase anchor protein	MCP-1	monocyte chemotactic protein
AP-1	activator protein 1	MnTMPyP	manganese(III) tetrakis(1 -methyl-4- pyridyl)porphyrin
ARE	antioxidant response element	MOP	methoxypsoralen
AUC	area under curve	MS	mass spectrometry
BBH	calcineurin B binding helix	MS/MS	tandem mass spectrometry
CAM	carbamidomethyl	mTOR	mammalian target of rapamycin
CaM	calmodulin	NDP	3,3 ' -(1,4-naphthylidene)dipropionate
CD	circular dichroism	NFAT	nuclear factor of activated T cells
CDK4	cyclin-dependent kinase 4	NF- κ B	nuclear factor kappa B
CDKN2A	cyclin-dependent kinase inhibitor 2A	NMSC	non-melanoma skin cancer
CHP	calcineurin homologous protein	Nrf-2	NF-E2-related factor 2
Cn	calcineurin	PBMC	peripheral blood mononuclear cell
CnI	calcineurin inhibitor(s)	PBS	phosphate buffered saline
COX-2	cyclooxygenase-2	PD	Parkinson ' s disease
CsA	cyclosporin A	PD	photodynamic
CSF	cerebrospinal fluid	PHA	phytohemagglutinin
Cyp	cyclophilin	PIP ₂	phosphatidylinositol 4,5-bisphosphate
DMEM	Dulbecco ' s modified Eagle ' s medium	PKC	protein kinase C
DPI	diphenylene iodonium	PMA	>> zie TPA
DTT	dithiothreitol	<i>p</i> NP	<i>para</i> -nitrophenylphosphate
DYRK1A	dual specificity tyrosine-phosphorylation- regulated kinase 1A	PP	protein phosphatase
ECM	extracellular matrix	PRL	pimecrolimus
EGF	epidermal growth factor	PUVA	psoralen plus UVA
EGTA	ethylene glycol tetraacetic acid	RCAN1	regulator of calcineurin 1
Elk-1	Ets-like protein 1	ROS	reactive oxygen species
EPR	electron paramagnetic resonance	RPMI	Roswell Park Memorial Institute medium
ESI	electrospray ionization	RT	room temperature
FCS	fetal calf serum	SD	standard deviation
FKBP	FK binding protein	SE	standard error
FRET	Foerster resonance energy transfer	SLE	systemic lupus erythematoses
FT-ICR	Fourier transform ion cyclotron resonance	SNP	single nucleotide polymorphism
GSH	glutathione	SOD	superoxide dismutase
GSK-3 β	glycogen synthase kinase 3beta	TCEP	tris(2-carboxyethyl)phosphine
HBSS	Hank ' s balanced salt solution	TFA	trifluoroacetic acid
HD	Huntington ' s disease	TGF- β	transforming growth factor beta
HO-1	heme oxygenase 1	TNF- α	tumor necrosis factor alpha
HRP	horseradish peroxidase	ToF	time-of-flight
Hsp	heat shock protein	TPA	12- <i>O</i> -tetradecanoylphorbol-13-acetate
IFN- γ	interferon gamma	Tris	tris(hydroxymethyl)aminomethane
IL	interleukin	TRL	tacrolimus
IP ₃	inositol 1,4,5-trisphosphate	TRPC	transient receptor potential channel
I κ B	inhibitor of kappa B	UVA	ultraviolet A
KD-SFM	keratinocyte defined serum-free medium	UVB	ultraviolet B
LDH	lactate dehydrogenase	VEGF	vascular endothelial growth factor

