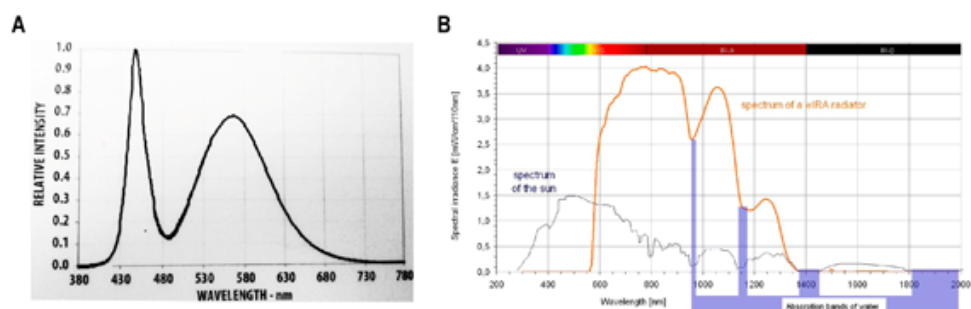


## SUPPLEMENTARY MATERIAL



**Figure S1. Spectra of light sources.** Power and wavelength range of VIS (A) and wIRA (B) sources.

Antigen	Origin	Source	Dilution
Matrix metalloproteinase 1 (MMP-1)	Rabbit (monoclonal)	Abcam®	1:100
Cathepsin k	Rabbit (polyclonal)	Sigma®	1:100
Fibrillin 2	Mouse (monoclonal)	Novus biologicals®	1:100
Mouse IgG -Alexa 488	Goat (polyclonal)	Invitrogen®	1:250
Rabbit IgG-Alexa 546	Goat (monoclonal)	Invitrogen®	1:250

**Table S1. Antibodies used for immunofluorescence.** Antigen, origin, source and working dilution of primary and secondary antibodies used to perform IF assays.

Gen	Species	Forward	Reverse
MMP-1	Human	CATGAAAGGTGGACCAACAATTT	CCAAGAGAATGGCCGAGTTC
Cathepsin k	Human	CTTTGCTCTGTACCCTGAGGAGAT	TGTTATATTGCTTCTCTGTGGG TCT T
Fibrillin 1	Human	TGACTGGCCACACGTGCATAG	TGACATTGACCCCTTGTGACAGGA
Fibrillin 2	Human	GGACATTGACGGATGTGA	GATGCCGTTTCCAATCCA
Elastin	Human	CTAAATACGGTGCTGCTGGC	CATGGGATGGGGTTACAAAG

**Table S2. Sequences of primers used for mRNA analysis.** Gen, species and forward/reverse sequences.