

CORRECTION

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Correction: Stretching of fibroblast cells on micropatterned gelatin on silicone elastomer

Stefan Müller,^{ab} Motoki Ueda,^{ac} Takashi Isoshima,^c Takashi Ushida^b and Yoshihiro Ito^{*ac}

Correction for 'Stretching of fibroblast cells on micropatterned gelatin on silicone elastomer' by Stefan Müller *et al.*, *J. Mater. Chem. B*, 2020, 8, 416–425, DOI: 10.1039/C9TB02203A.

The authors have noticed an error in Fig. 1 and the values of Table 1 and 2 in this article. The chemical structures depicting AA-gelatin and AB-gelatin in part A of Fig. 1 are incorrect. It was found that the values for the Azidophenyl group in gelatin (μmol) and the subsequent values for the yield in Table 1 are out by a factor of 10, and as such this affected the calculated values in Table 2. The corrected figure and tables are as below. The authors confirm that these corrections do not affect the overall conclusions of this work.

^a Emergent Bioengineering Materials Research Team, RIKEN Center for Emergent Matter Science, 2-1 Hirosawa, Wako, Saitama, 351-0198, Japan. E-mail: y-ito@riken.jp

^b Graduate School of Medicine, The University of Tokyo, 7-3-1 Hongo, Bunkyo, Tokyo, 113-0033, Japan

^c Nano Medical Engineering Laboratory, RIKEN Cluster for Pioneering Research, 2-1 Hirosawa, Wako, Saitama, 351-0198, Japan



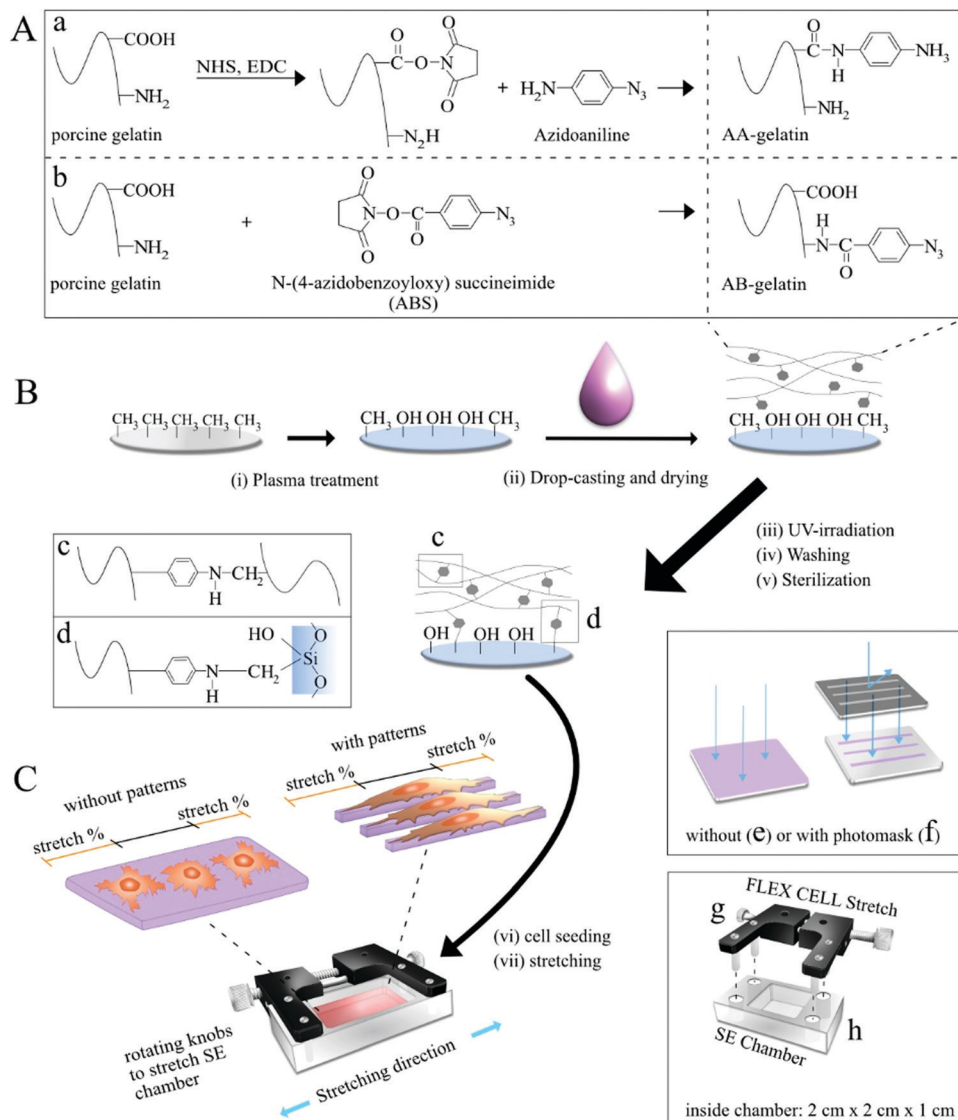


Fig. 1 (A) Synthetic scheme and chemical structures of (a) AA- and (b) AB-gelatin. (B) Schematic illustration of the photo-immobilization procedure on the SE film: (i) plasma treatment of the SE film, (ii) drop-casting and drying of the photo-reactive gelatin solution, (iii) two types of UV-irradiation methods without (e) and with a photomask (f), (iv) washing to remove free gelatin, and (v) sterilization. Gelatin–gelatin (c) and gelatin–SE surface (d) crosslinking are illustrated. (C) Schematic illustration of the stretching experiment. (vi) Cell seeding for 24 h in the immobilized SE chamber without stretching. (vii) Additional 24 h cell culturing under the stretching conditions by manually rotating the knobs to expand the membrane. Pinching of the stretching device (g) to the SE chamber (h).

Table 1 Feed compositions and product contents

Sample	Feed				Product		
	COOH in gelatin (μmol)	4-Azidoaniline (μmol)	NH ₂ in gelatin (μmol)	ABS (μmol)	Ratio azidophenyl group vs target site	Azidophenyl group in gelatin	Yield (%)
AA-gelatin 1	80	352			4.5	4.1	5.1
AA-gelatin 2	80	117			1.5	1.3	1.6
AB-gelatin3			40	95	2.4	1.4	3.5
AB-gelatin4			40	190	4.8	2.9	7.3



Table 2 Zeta potentials and calculated compositions of the modified gelatins

Sample	Zeta-potential (mV)	Calculation		
		Excess amount of cationic groups (A–B) (μmol)	A: cationic amino acids in gelatin (μmol)	B: anionic amino acids in gelatin (μmol)
AA-gelatin 1	+13.48	44.9	120	75.9
AA-gelatin 2	+9.78	41.3	120	78.7
AB-gelatin 3	+3.82	38.6	118.6	80
AB-gelatin 4	+2.40	37.1	117.1	80

The Royal Society of Chemistry apologises for these errors and any consequent inconvenience to authors and readers.

