(a)

Supracellular arrangement

Outcome probability

1.0 0.9 0.8 0.7 0.6 0.5 0.4 0.3 0.2

Rho binding | Rac binding | Rac unbinding | Rho unbinding

Cell 2

Rho binding 1000 10 0 | Rac binding 10 1000 | Rac unbinding 1000 10 0 | Rho unbinding 10 1000

0	0.22	0.24	0.33	0.92	0	0	0.24	0.64	0.84
	0.33	0.29	0.31	0.69		0.14	0.21	0.29	0.55	0.68
		0.33	0.34	0.71		0.17	0.2	0.33	0.44	0.6
			0.38	0.59		0.26	0.22	0.34	0.5	0.59
				0.15		0.75	0.82	0.71	0.23	0.11

0					0				
0.19	0.19				0	0			
0.21	0.22	0.25			0.18	0.19	0.25		
0.33	0.2	0.13	0.18		0.52	0.54	0.22	0	
0.87	0.35	0.19	0.19	0	0.74	0.65	0.19	0	0

0	0	0.17	0.57	0.8	0	0.12	0.18	0.23	0.72
	0	0.2	0.68	0.83	0	0.27	0.19	0.23	0.67
		0.33	0.44	0.6	0.21	0.22	0.25	0.13	0.19
			0.24	0.17	0.61	0.19	0.22	0.21	0
				0.03	0.79	0.25	0.19	0.23	0

Rac binding | Rac unbinding | Rho unbinding | Rho binding

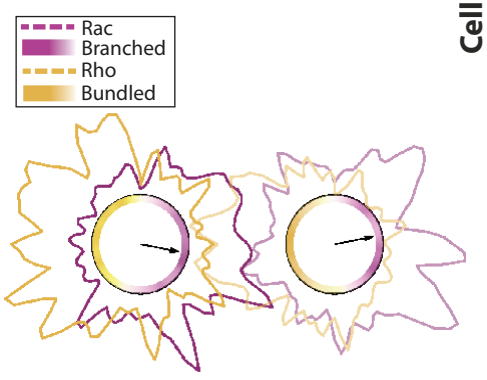
1000 10 0 10 1000 Rho binding | Rac binding

1000 10 0 10 1000 Rac unbinding | Rho unbinding

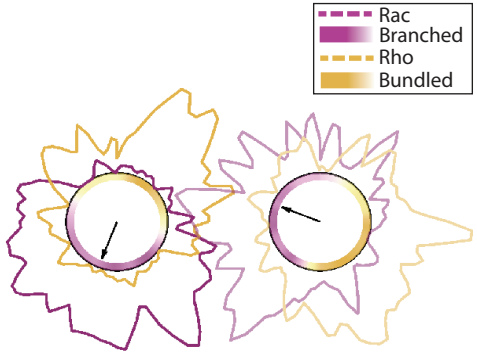
Co-alignment arrangement

Cell 1

1. Co-alignment outcome



2. Supracellular outcome



(b) Favorable intercellular Rho GTPases interactions