

## “Supporting Information”

# Confined camphor particles: Active chiral dynamics and boundary accumulation phenomenon.

José-Manuel Cruz, Orlando Díaz-Hernández, Andrés Castañeda-Jonapa, Gustavo Morales-Padrón, Alberto Estudillo, Raúl Salgado-García.

The Electronic Supplementary Information section contains additional videos that are referenced in the main text.

**Video 1. Type1\_Trajectory. Camphor discs reach the Petri dish wall before 2 seconds after released.**

**Video 2. Type2\_Trajectory. Shows the type 2 trajectory. Camphor discs reach the wall within 2 seconds and 60 seconds after released.**

**Video 3. Type3\_Trajectory. Shows the type 3 trajectory. Camphor discs reach the wall in 60 seconds or more after released.**

**Video 4. Type4\_Trajectory. Shows the type 4 trajectory. Camphor discs does not reach the wall during the experiment (5 minutes).**

**Video 5. Experiment. Shows an experiment.**

**Table 1. Shows the time span for estimating mean angular velocity and mean linear speed.**

**Table S1**

Time span for estimating mean angular velocity and mean linear speed. (No estimation is achieved if the experimental time span is lower than 50 s)			
Experimental run	Time span (s)	Experimental run	Time span (s)
1	-	51	-
2	-	52	-
3	-	53	-
4	-	54	-
5	-	55	-
6	-	56	-
7	76.65	57	-
8	-	58	-
9	-	59	145.66
10	-	60	-
11	-	61	-
12	-	62	-
13	94.00	63	-
14	-	64	-
15	-	65	-
16	59.73	66	-
17	-	67	-
18	-	68	-
19	52.00	69	-
20	-	70	-
21	-	71	-
22	-	72	55.33
23	52.33	73	-
24	-	74	-
25	-	75	60.00
26	-	76	-
27	93.25	77	-
28	141.66	78	-
29	-	79	57.16
30	76.83	80	-
31	-	81	102.50
32	140.33	82	-
33	-	83	-
34	-	84	-
35	-	85	-
36	-		
37	-		
38	-		
39	189.70		
40	150.83		
41	-		
42	-		
43	-		
44	-		
45	-		
46	-		
47	-		
48	-		
49	123.16		
50	72.66		

Table 2. Shows the time span for estimating sliding dynamics.

Table S2

Time spans for estimating sliding dynamics			
Experimental run	Time span (s)	Experimental run	Time span (s)
1	72.67	50	236.33
2	298.55	51	282.05
3	259.62	52	296.67
4	290.33	53	7.75
5	309.08	54	309.58
6	67.83	55	325.08
7	0.00	56	289.25
8	282.37	57	301.58
9	287.20	58	1.42
10	301.02	59	13.52
11	299.17	60	0.00
12	256.00	61	79.67
13	175.33	62	309.87
14	281.40	63	38.80
15	269.58	64	0.00
16	0.00	65	313.50
17	14.33	66	290.70
18	284.13	67	356.17
19	11.63	68	243.17
20	300.63	69	366.83
21	117.17	70	38.08
22	308.33	71	325.00
23	284.28	72	20.30
24	279.05	73	269.17
25	313.80	74	47.45
26	309.25	75	165.00
27	201.10	76	237.62
28	0.00	77	259.70
29	275.58	78	302.92
30	196.78	79	255.83
31	39.58	80	225.80
32	222.75	81	206.17
33	248.55	82	266.67
34	169.50	83	185.17
35	250.08	84	271.08
36	309.90	85	45.75
37	290.67		
38	268.25	<b>Mean time span for sliding motion (s)</b>	
39	79.53	208.03	
40	151.50		
41	109.40		
42	245.33		
43	266.03		
44	277.37		
45	223.97		
46	202.42		
47	305.33		
48	307.10		
49	185.25		