

SEM Findings

Markus Zimmerl

Paul Kaltenböck

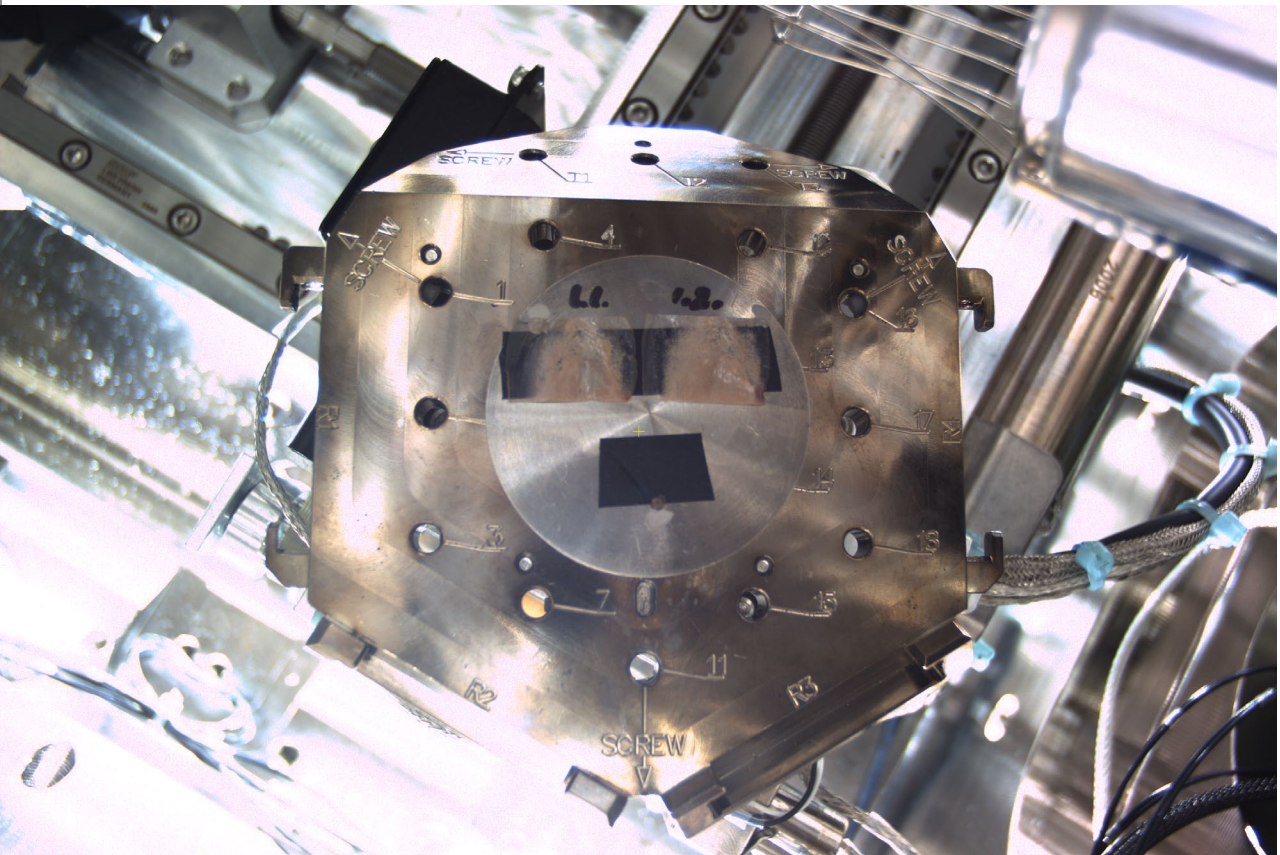
Karin Whitmore

Setup



2/14/2024 2:31:45 PM det CCD x: 6.4761 mm y: -9.0939 mm z: 6.8712 mm tilt 52.0 °

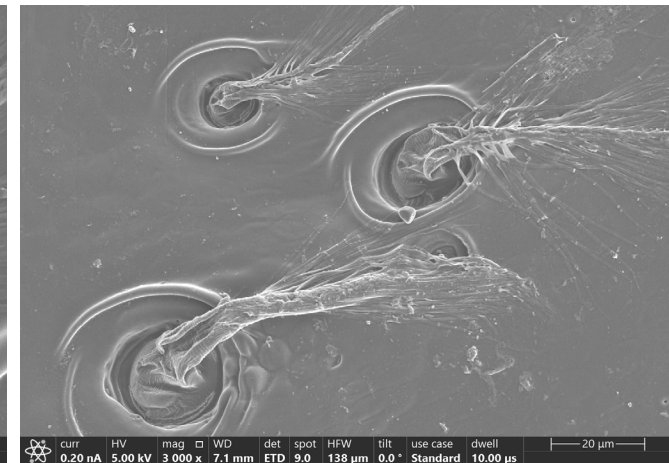
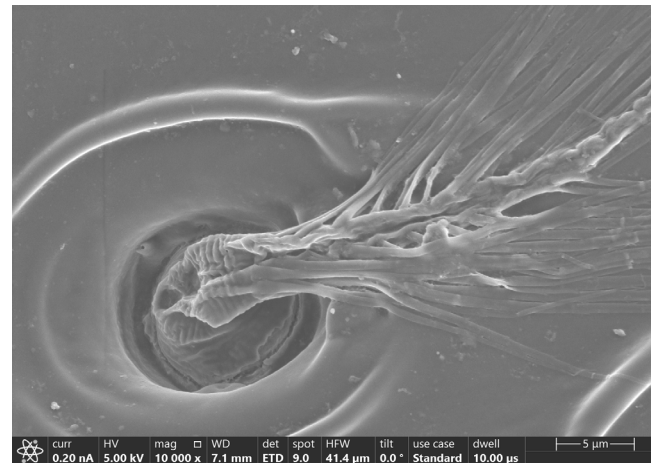
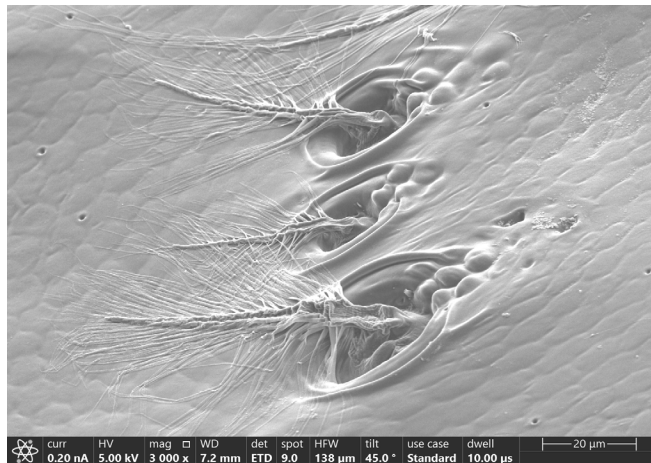
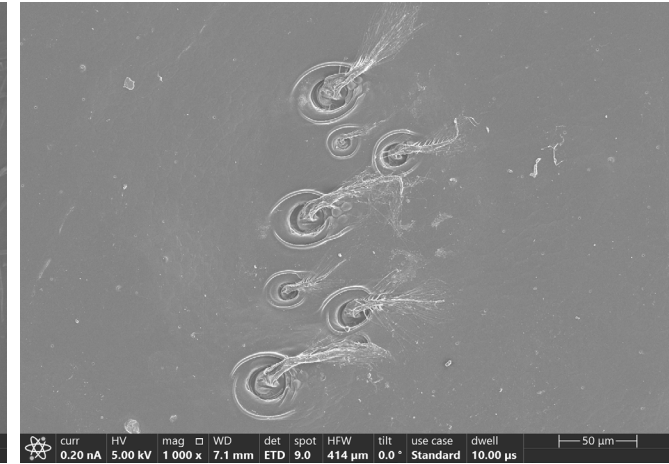
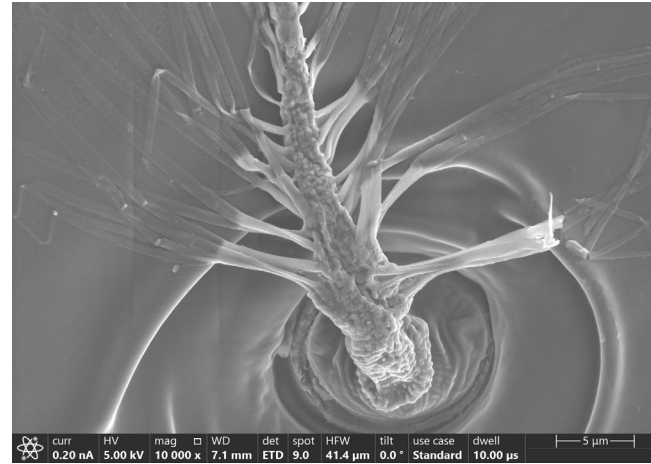
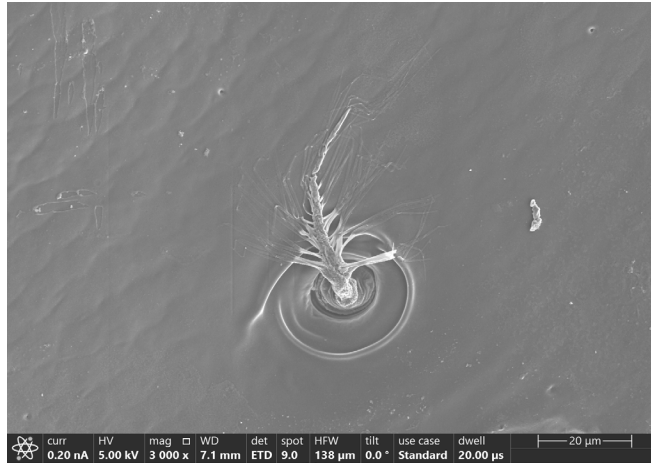
Scios 2



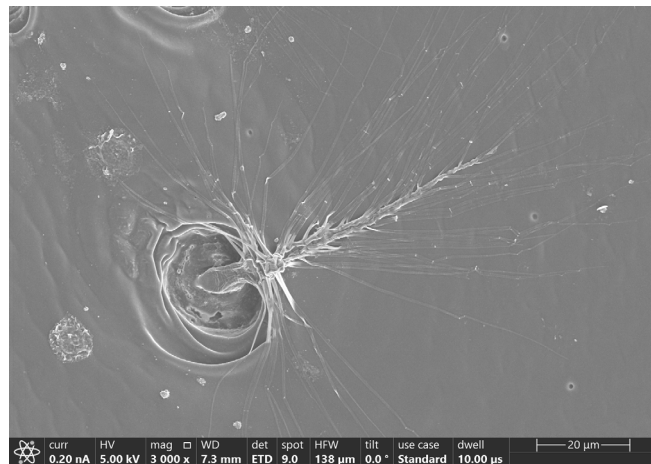
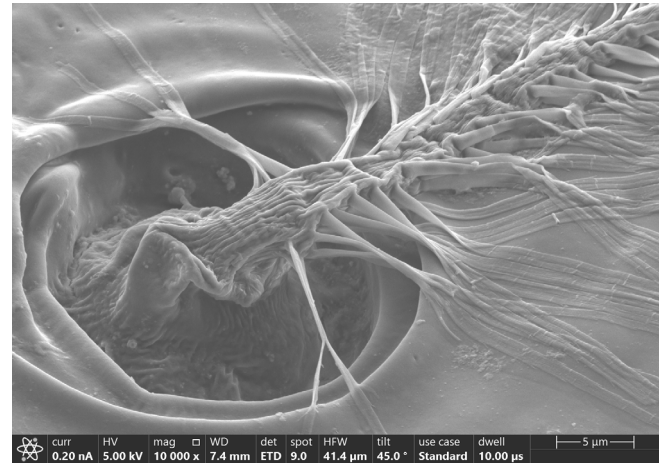
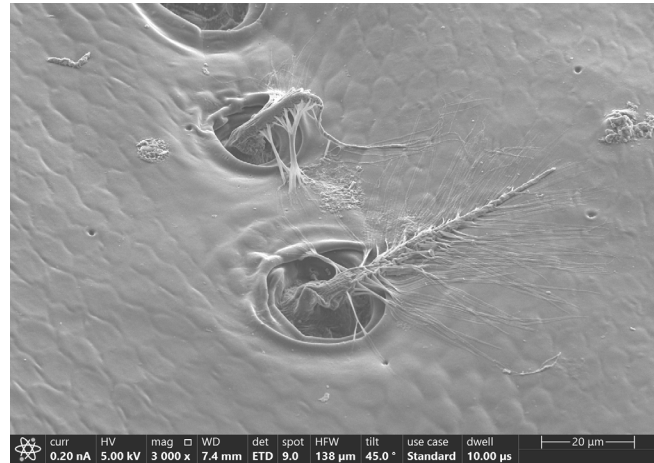
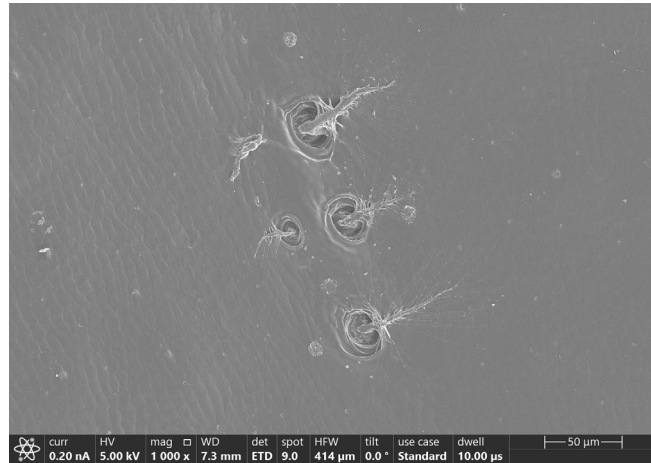
2/14/2024 12:36:09 PM HFW 164 mm det Nav-Cam

Nav-Cam

Shrimpshell – “hairs”



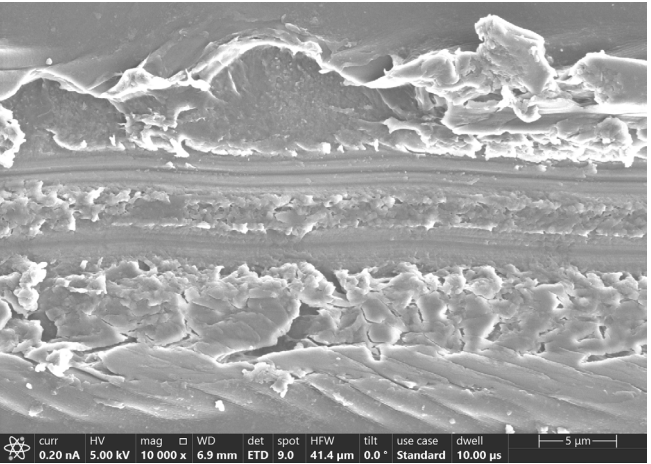
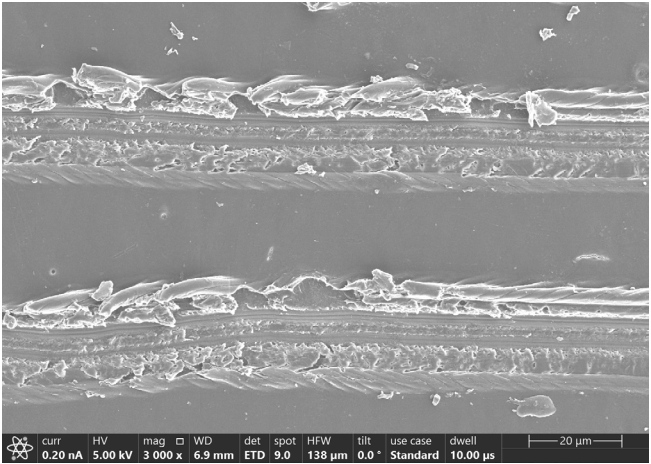
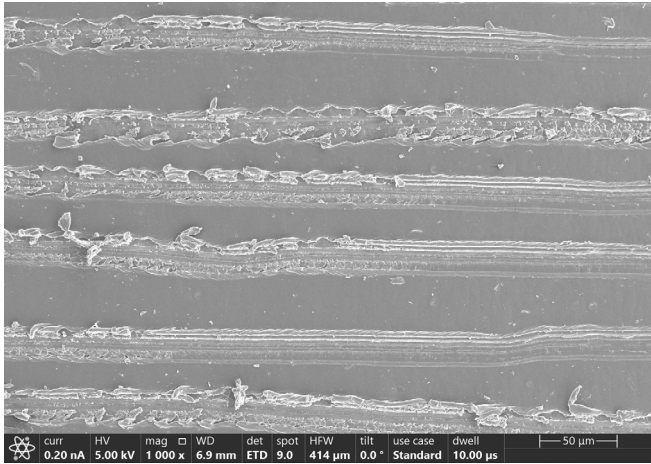
Shrimpshell – “hairs”



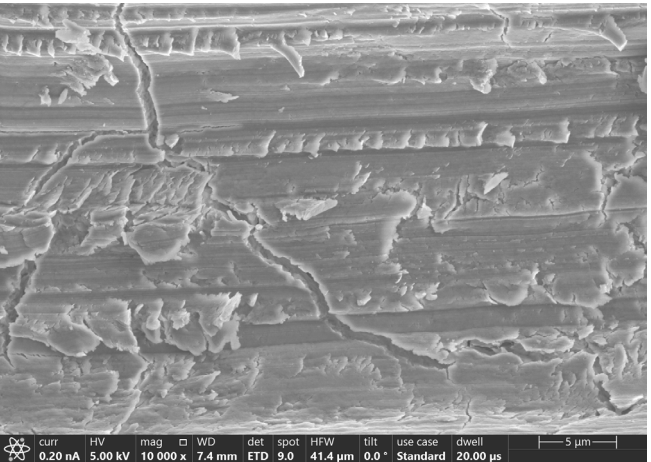
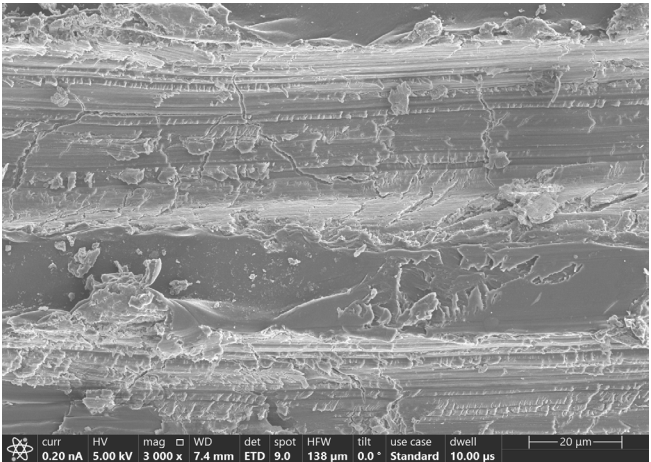
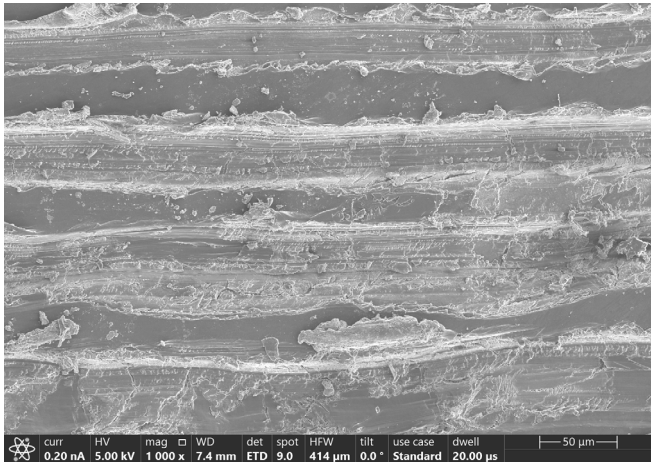
1.2 ohne Klimakammer

Shrimpshell – scratches

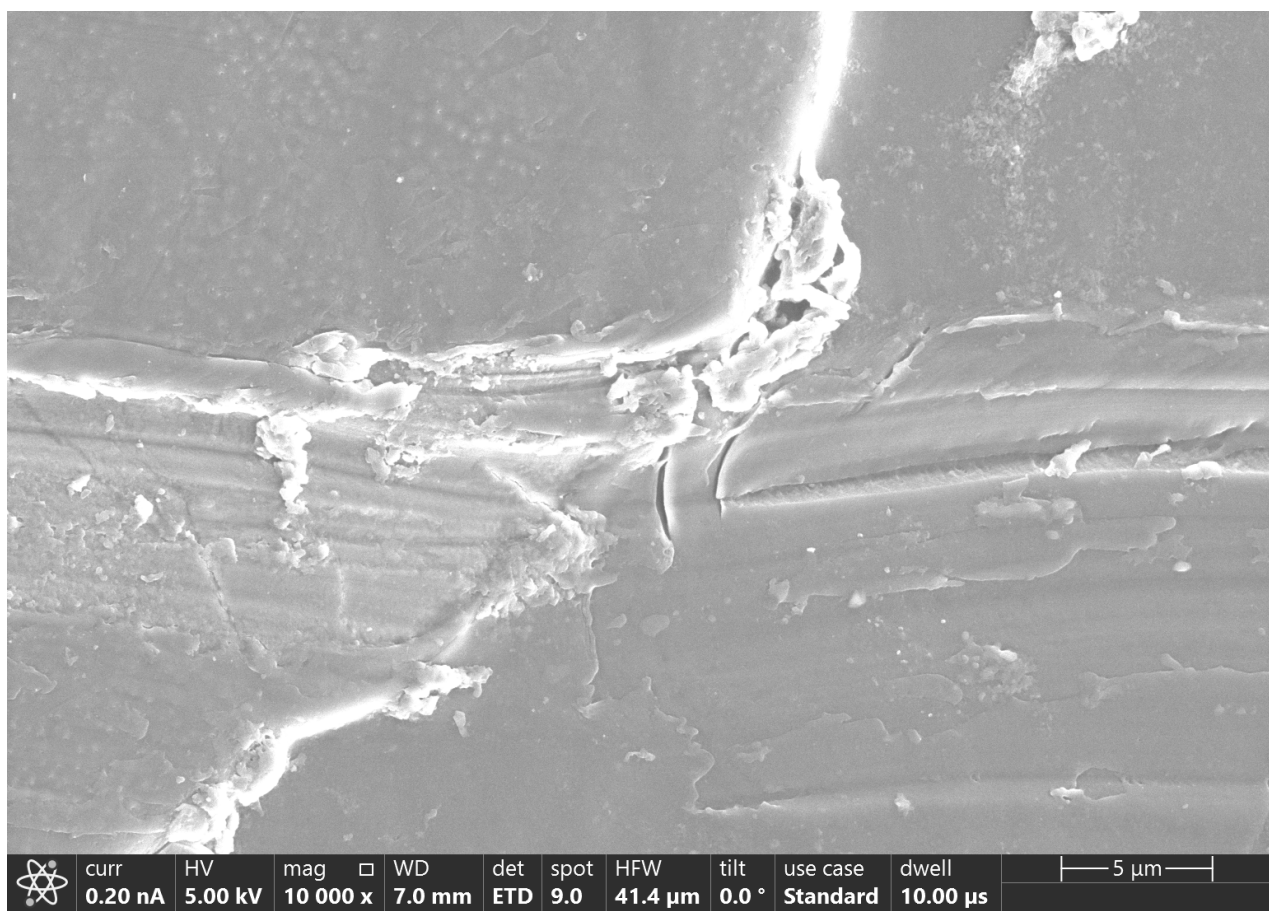
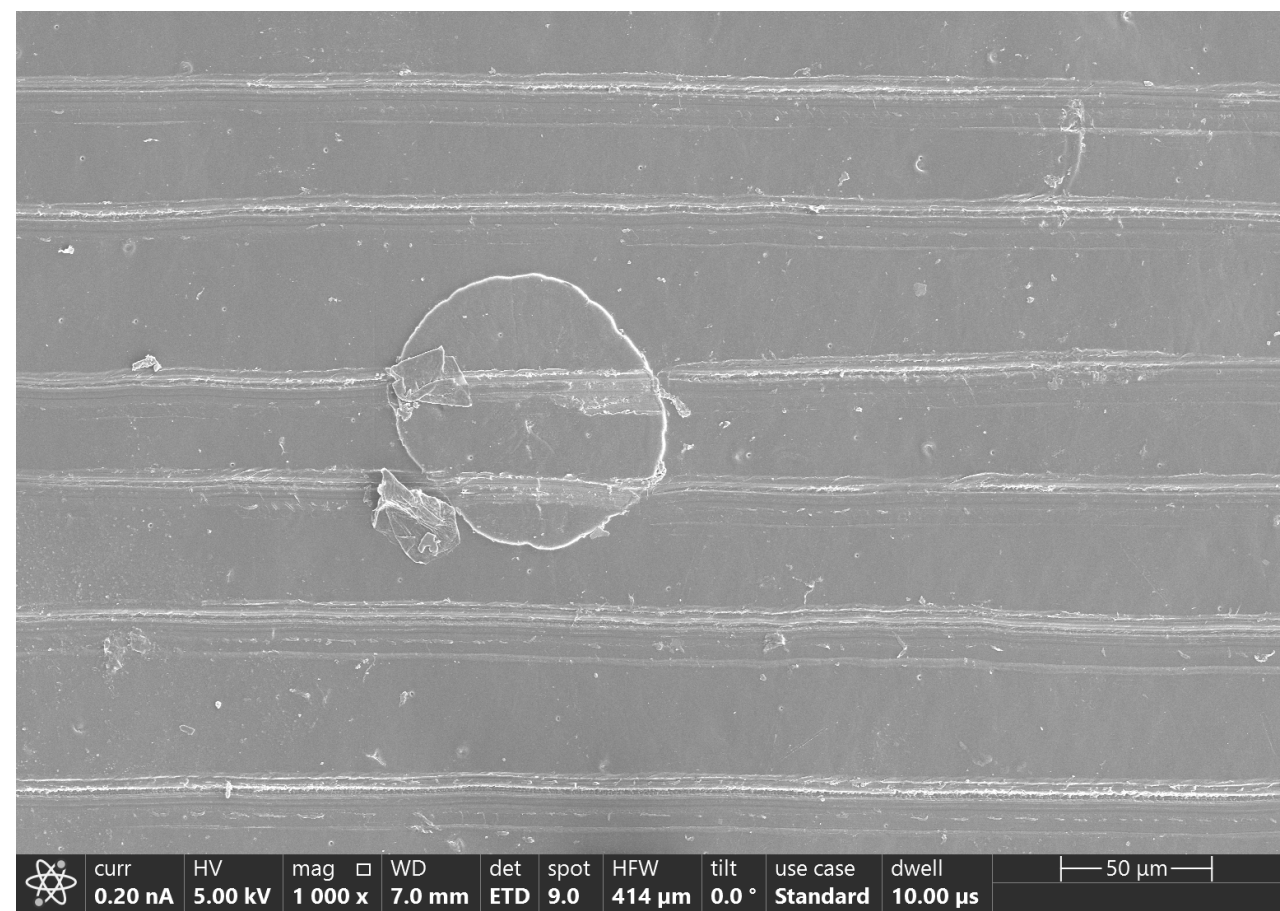
1.1



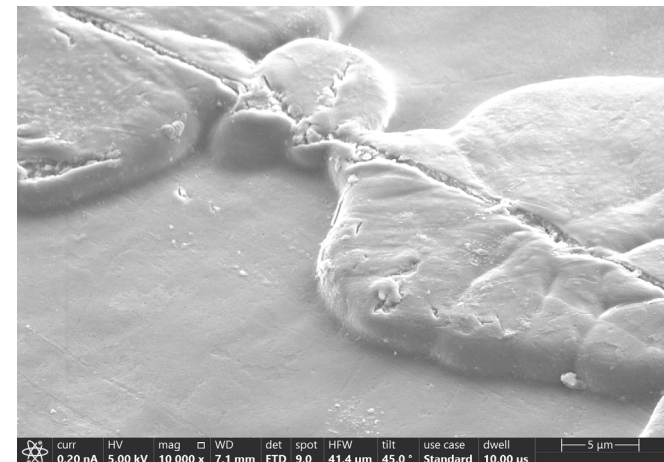
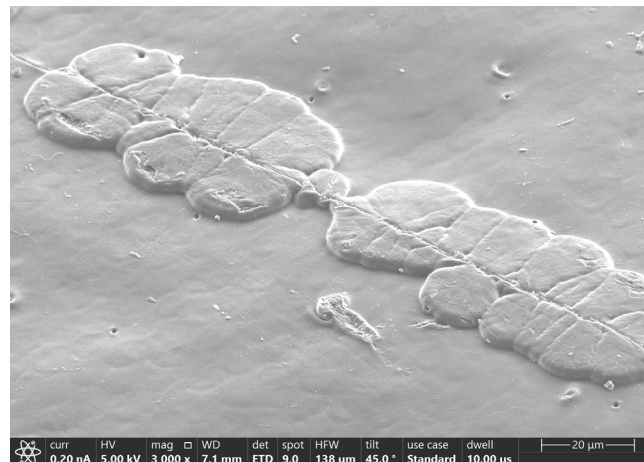
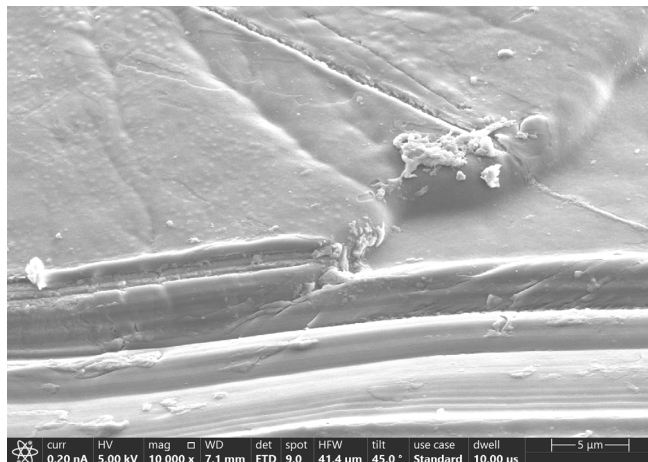
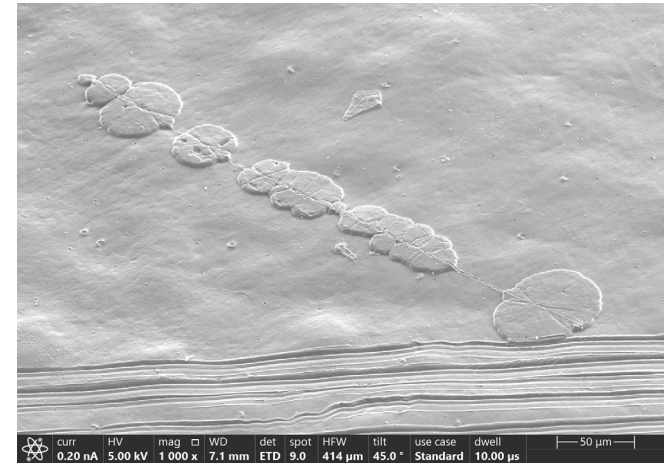
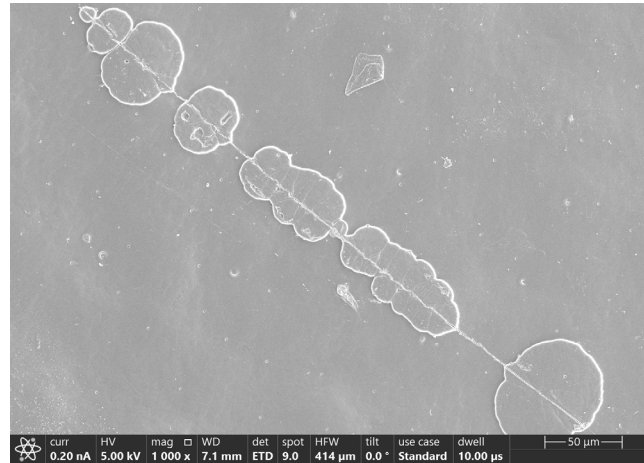
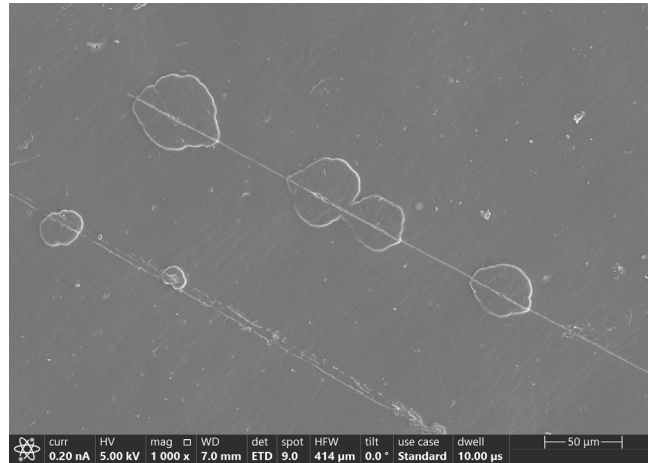
1.2



Shrimpshell – scratches



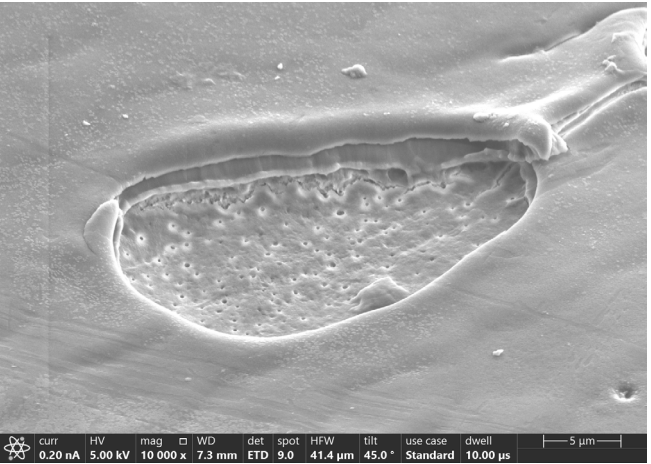
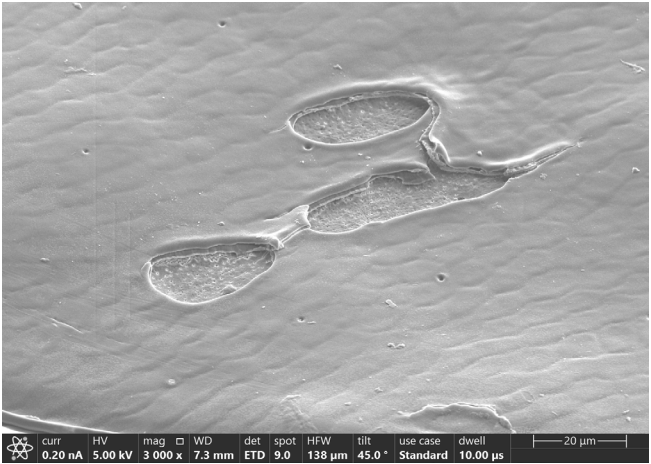
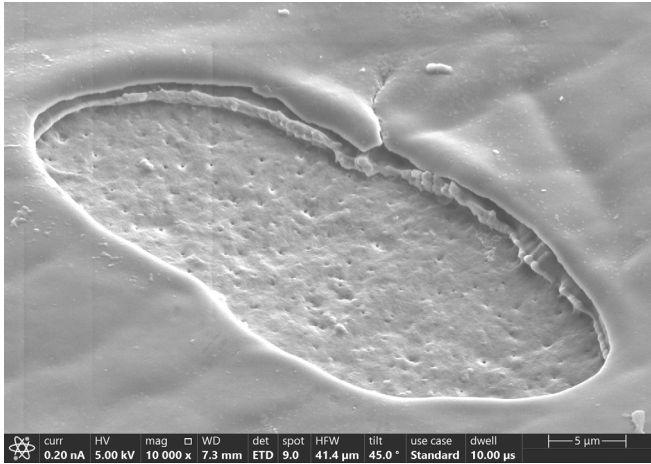
Shrimpshell – deposits



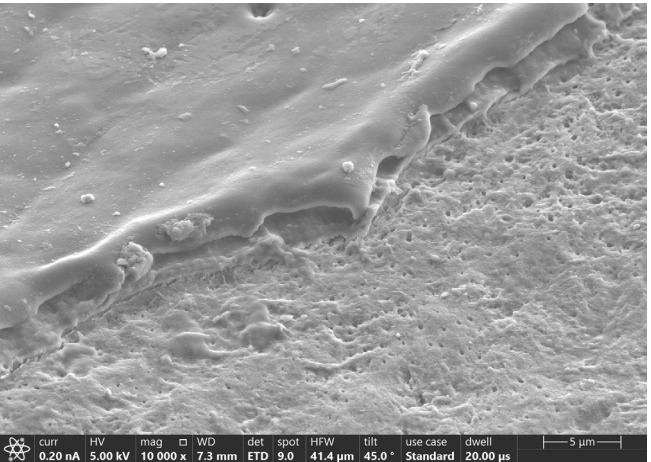
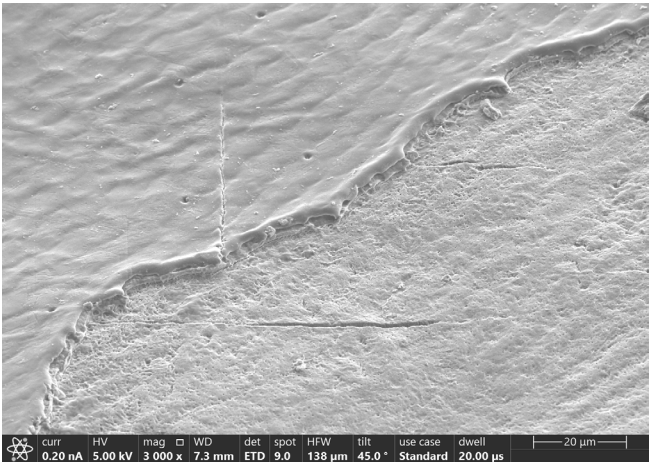
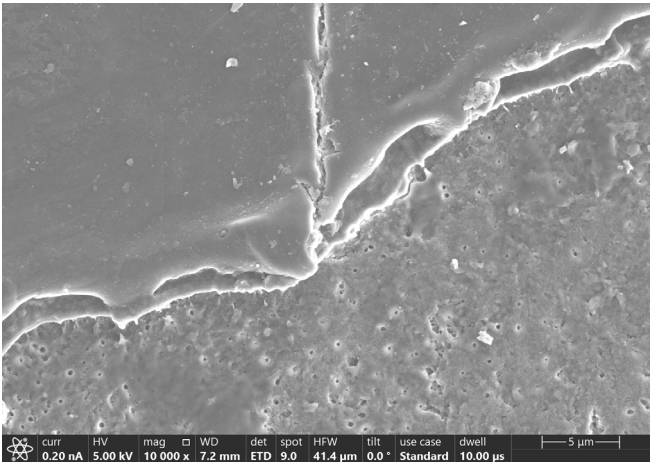
Ablagerungen wurden nur am Sample 1.1 (Klimakammer) beobachtet

Shrimpshell – layers

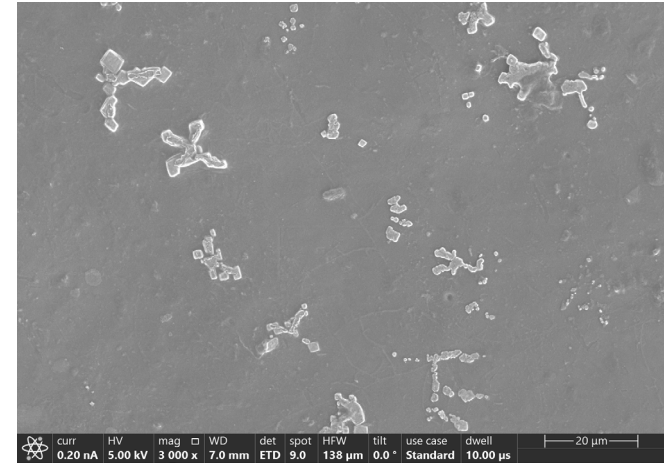
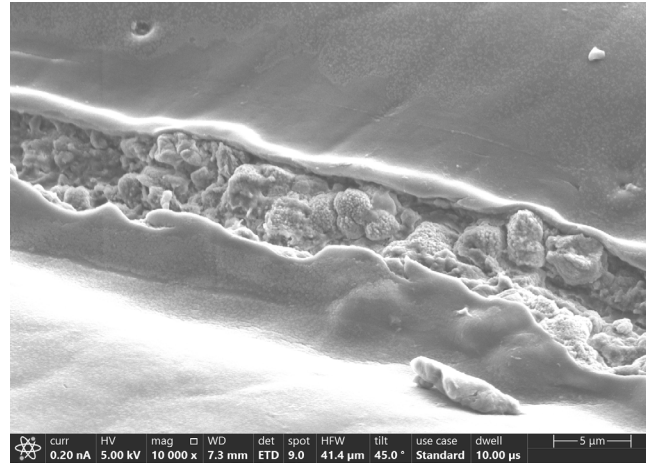
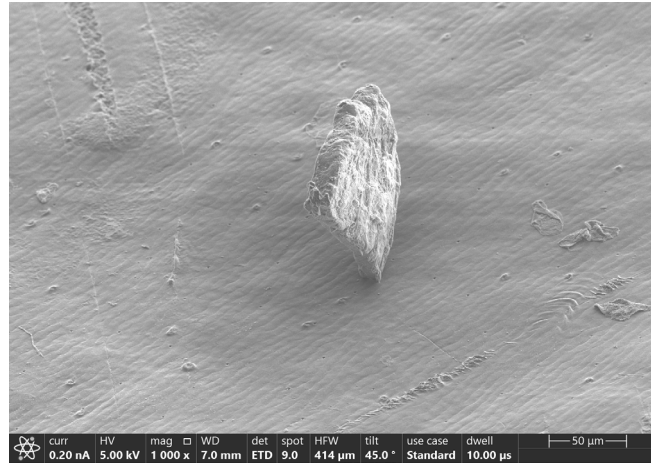
1.1



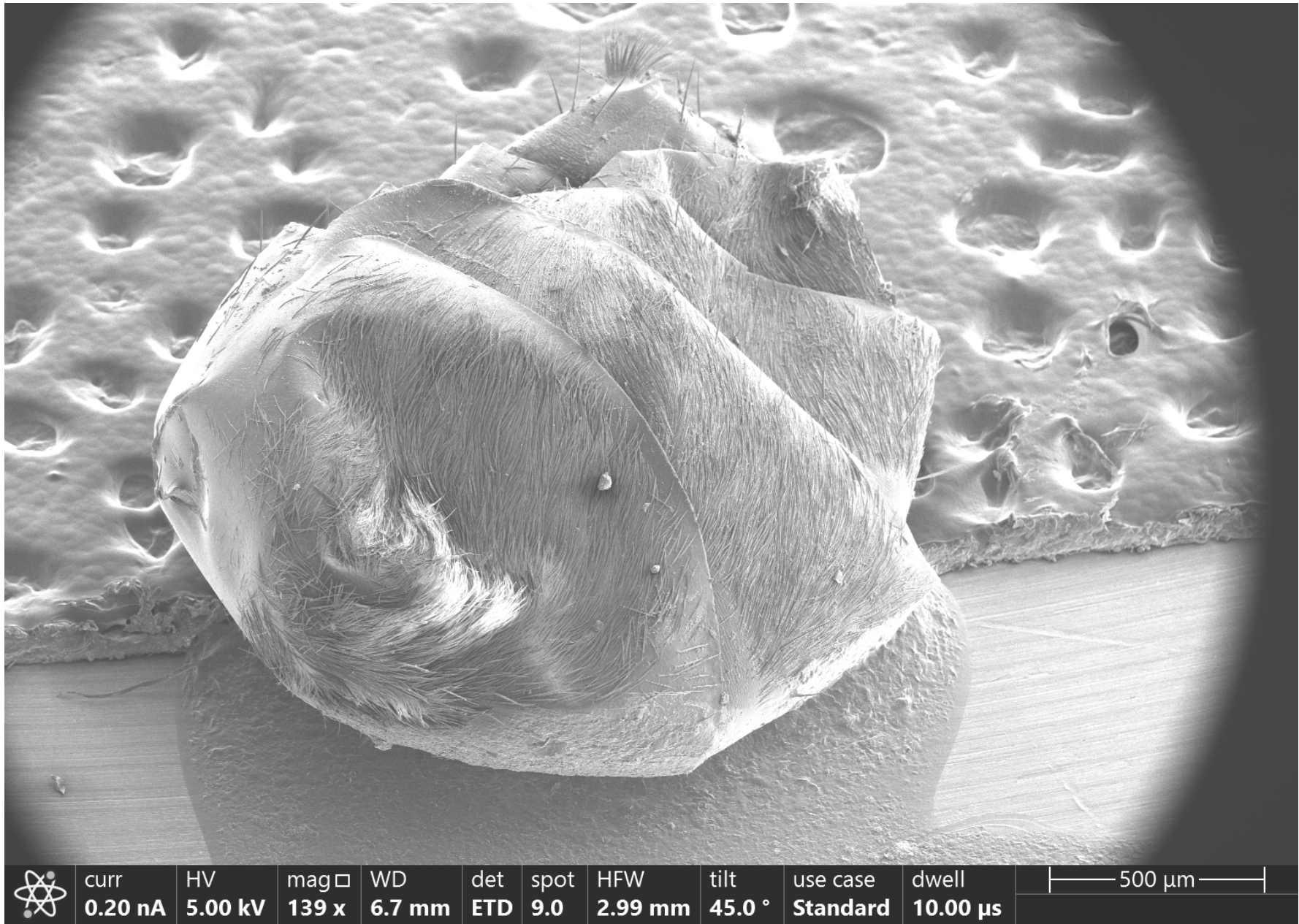
1.2

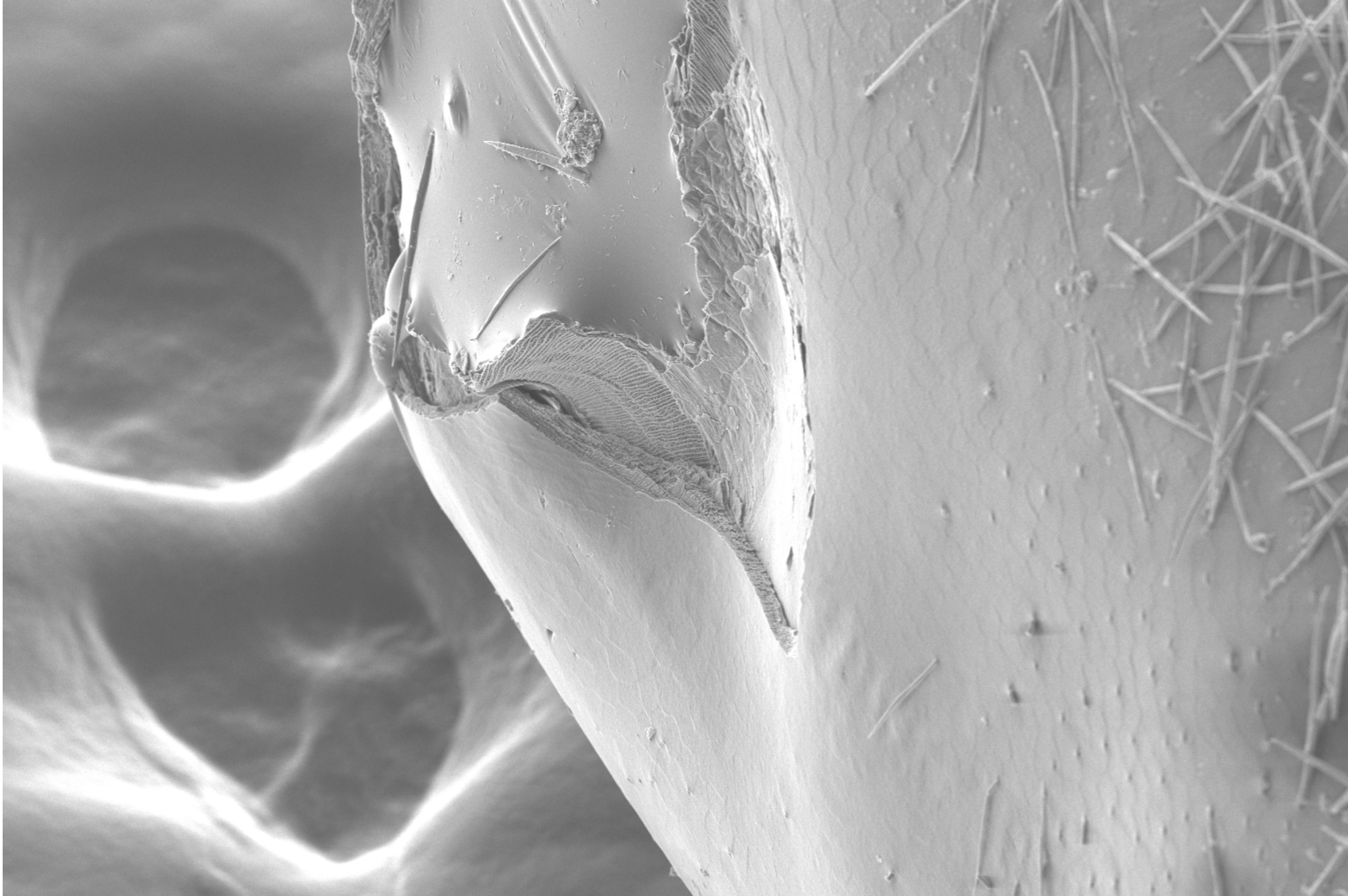


Shrimpshell – interesting structures

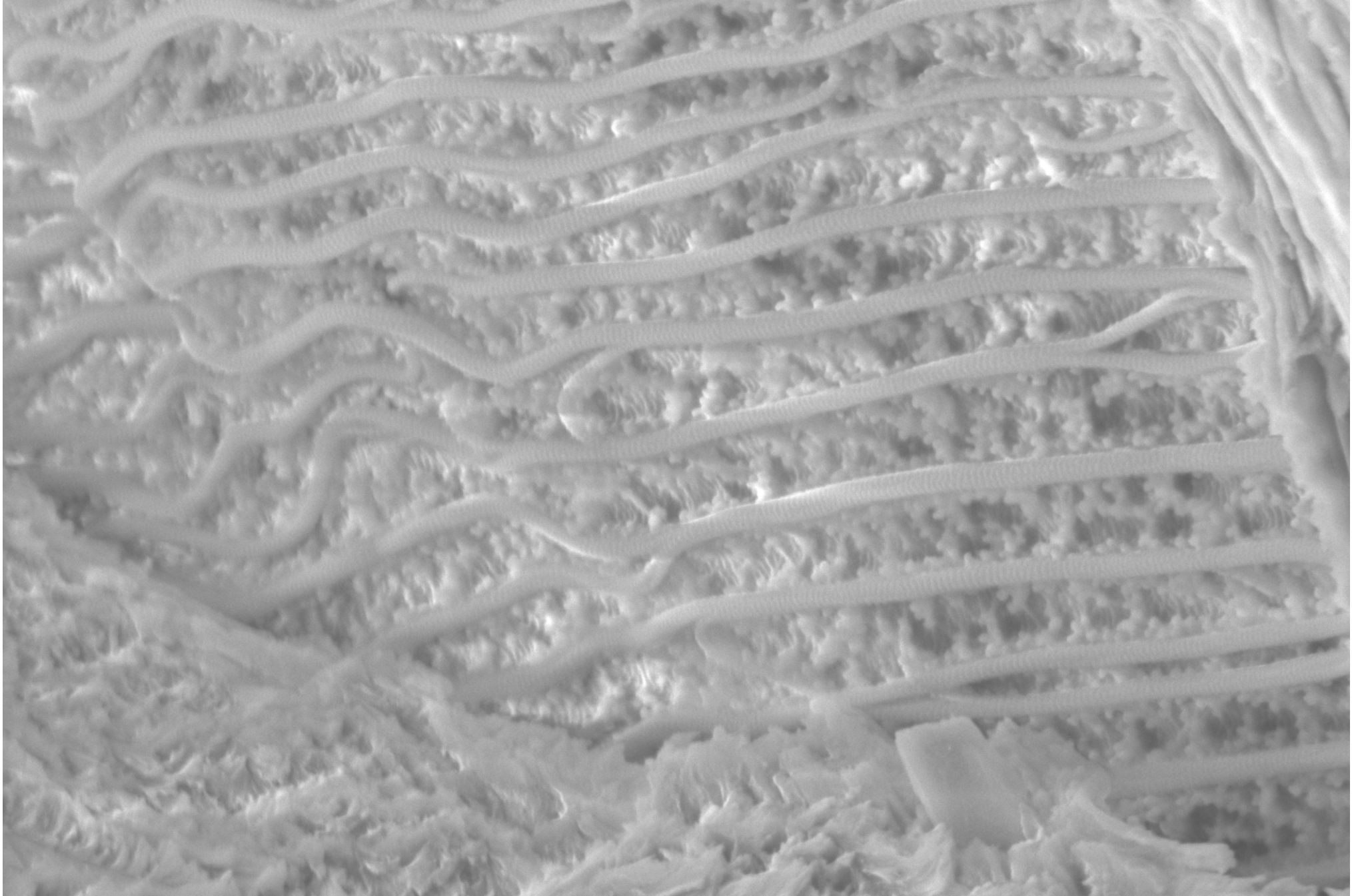


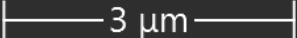
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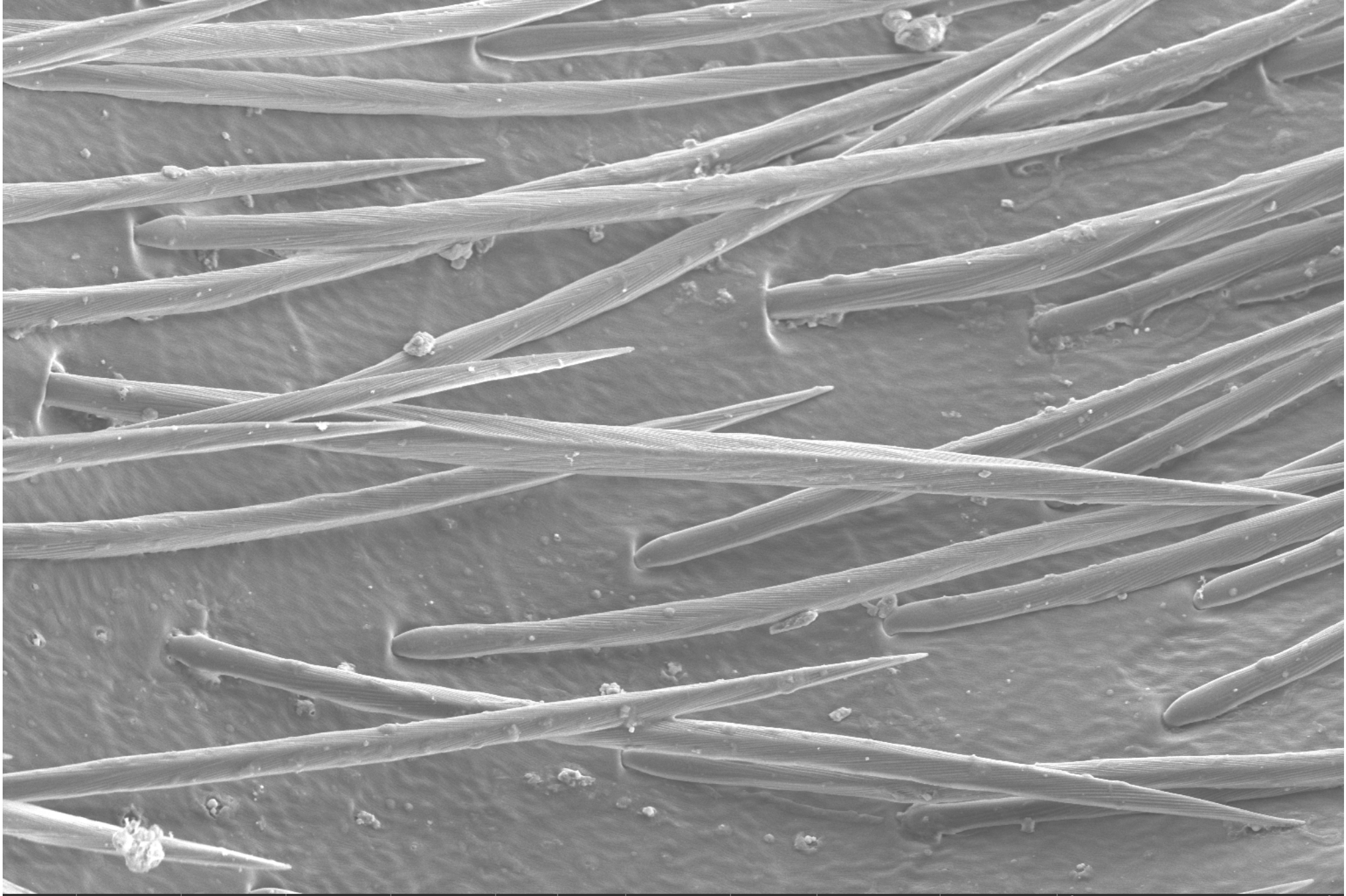


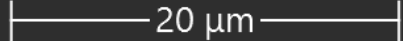


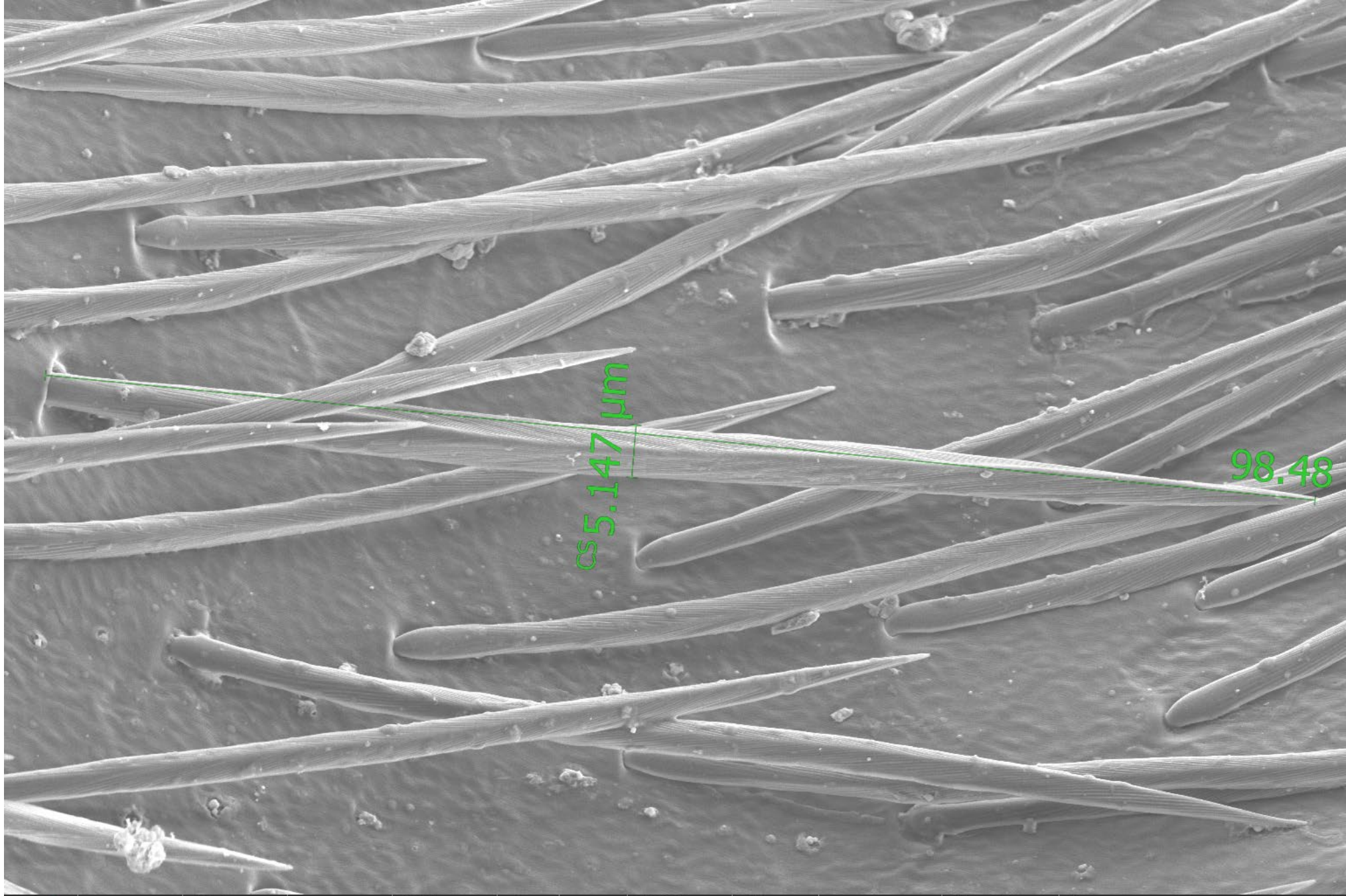
	curr	HV	mag	☐	WD	det	spot	HFW	tilt	use case	dwell	50 μm	
	0.20 nA	5.00 kV	1 000 x		6.9 mm	ETD	9.0	414 μm	45.0 °	Standard	20.00 μs		

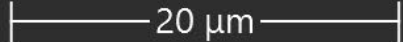


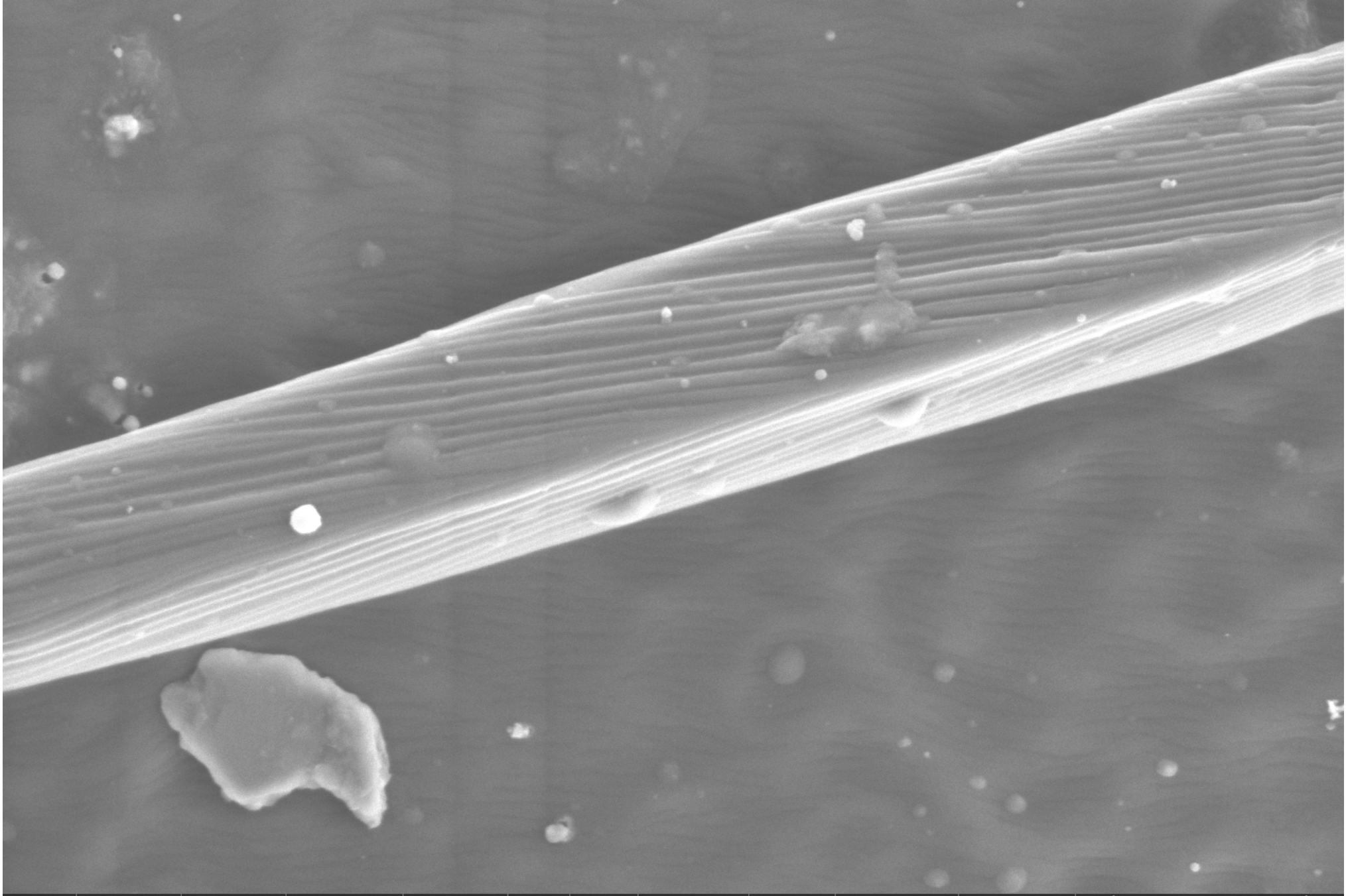
	curr	HV	mag	☐	WD	det	spot	HFW	tilt	use case	dwell	 3 μm
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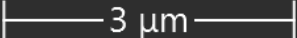


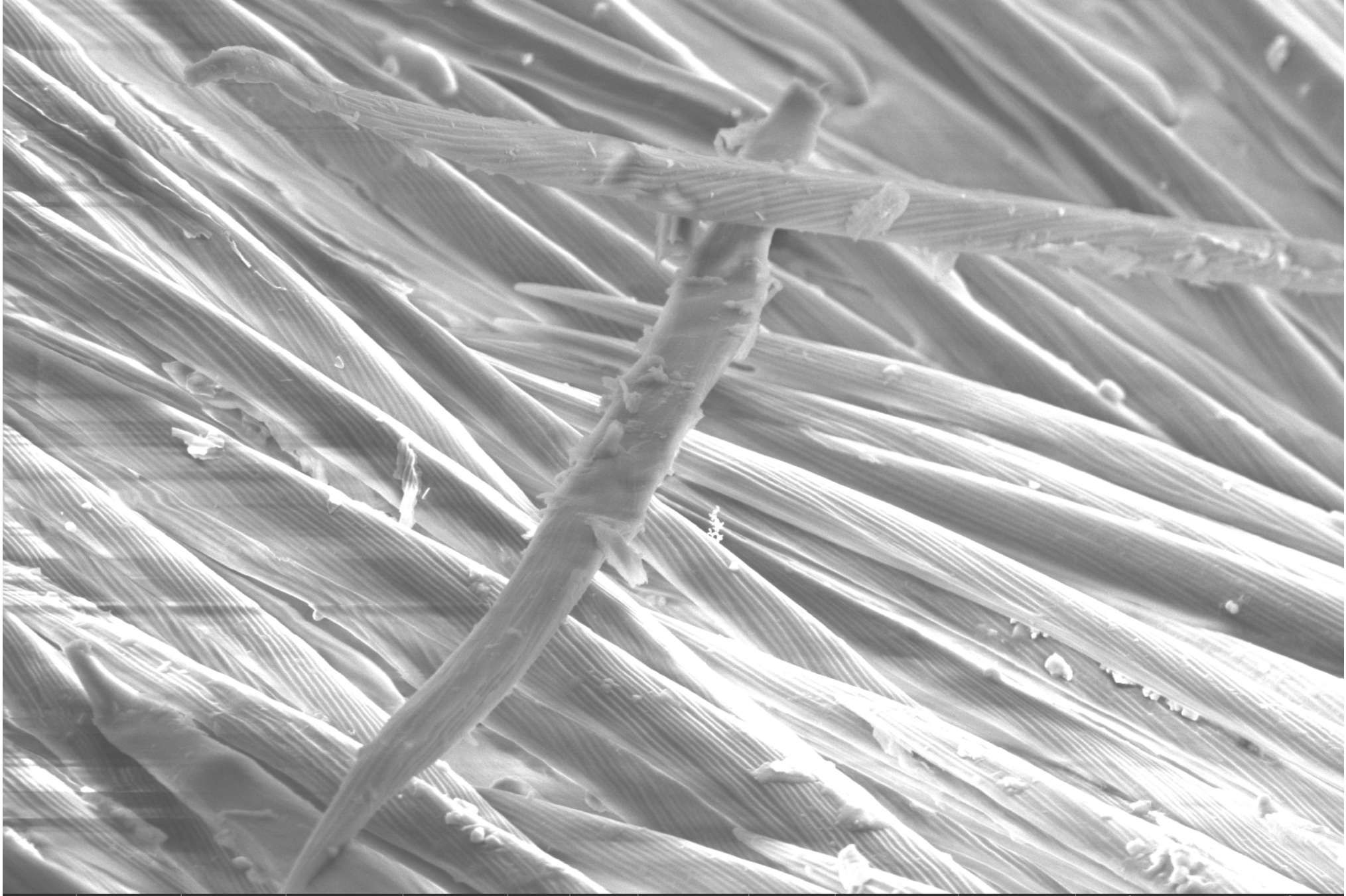
	curr	HV	mag	WD	det	spot	HFW	tilt	use case	dwell	 20 μm	
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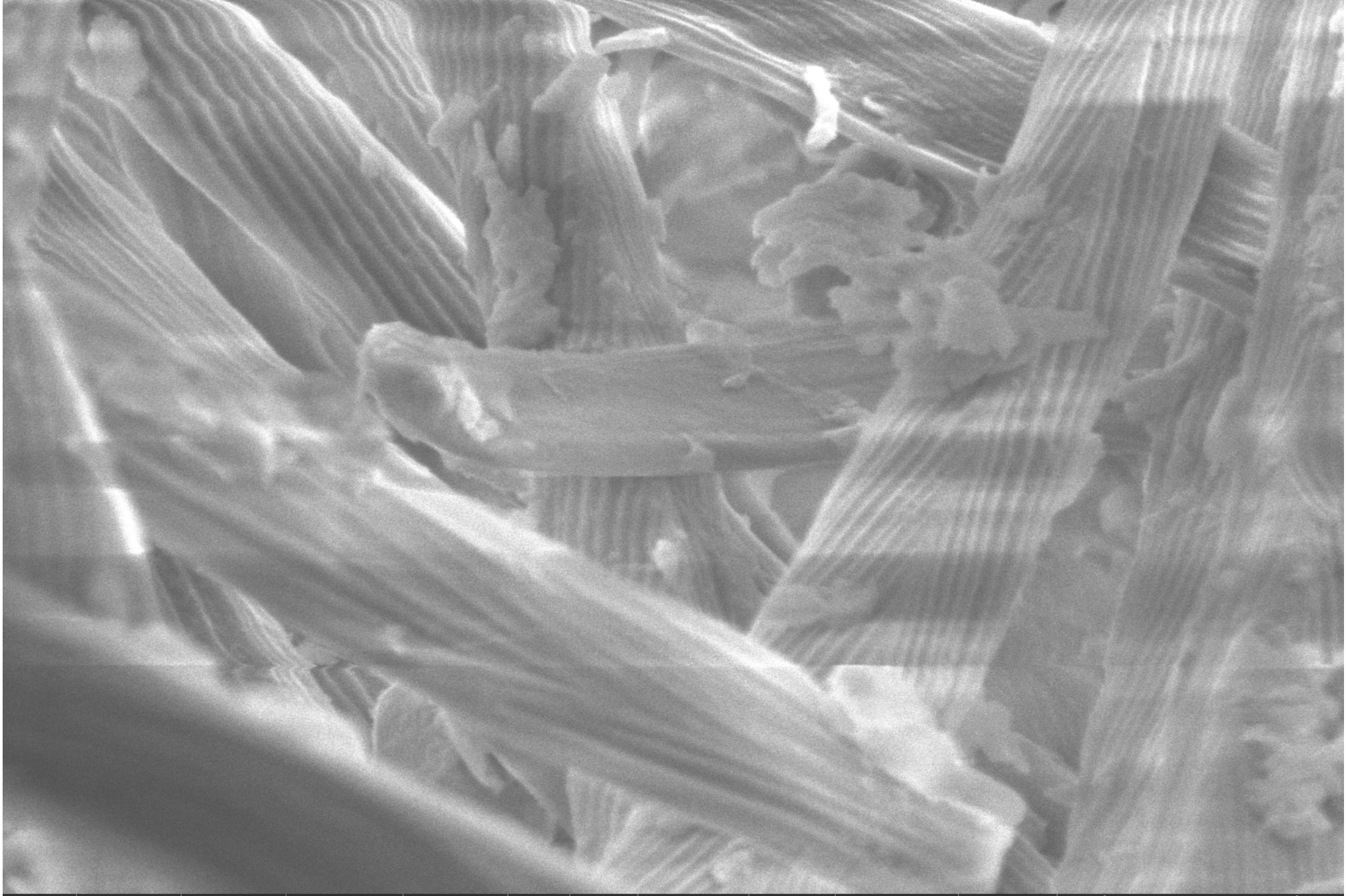
	curr	HV	mag	WD	det	spot	HFW	tilt	use case	dwell	
	0.20 nA	5.00 kV	4 000 x	7.0 mm	ETD	9.0	104 μm	45.0 °	Standard	10.00 μs	



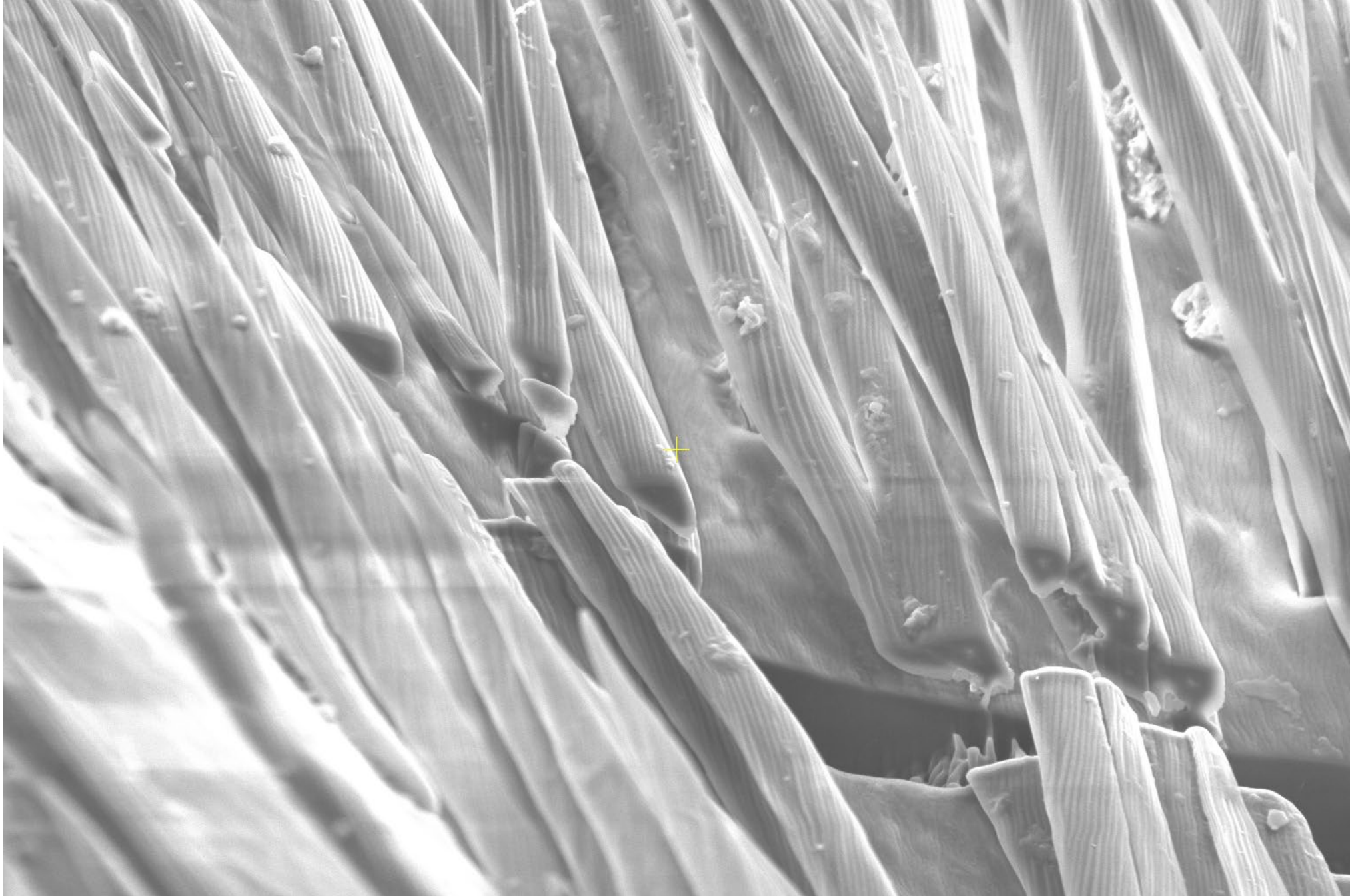
	curr	HV	mag	☐	WD	det	spot	HFW	tilt	use case	dwell	 3 μm
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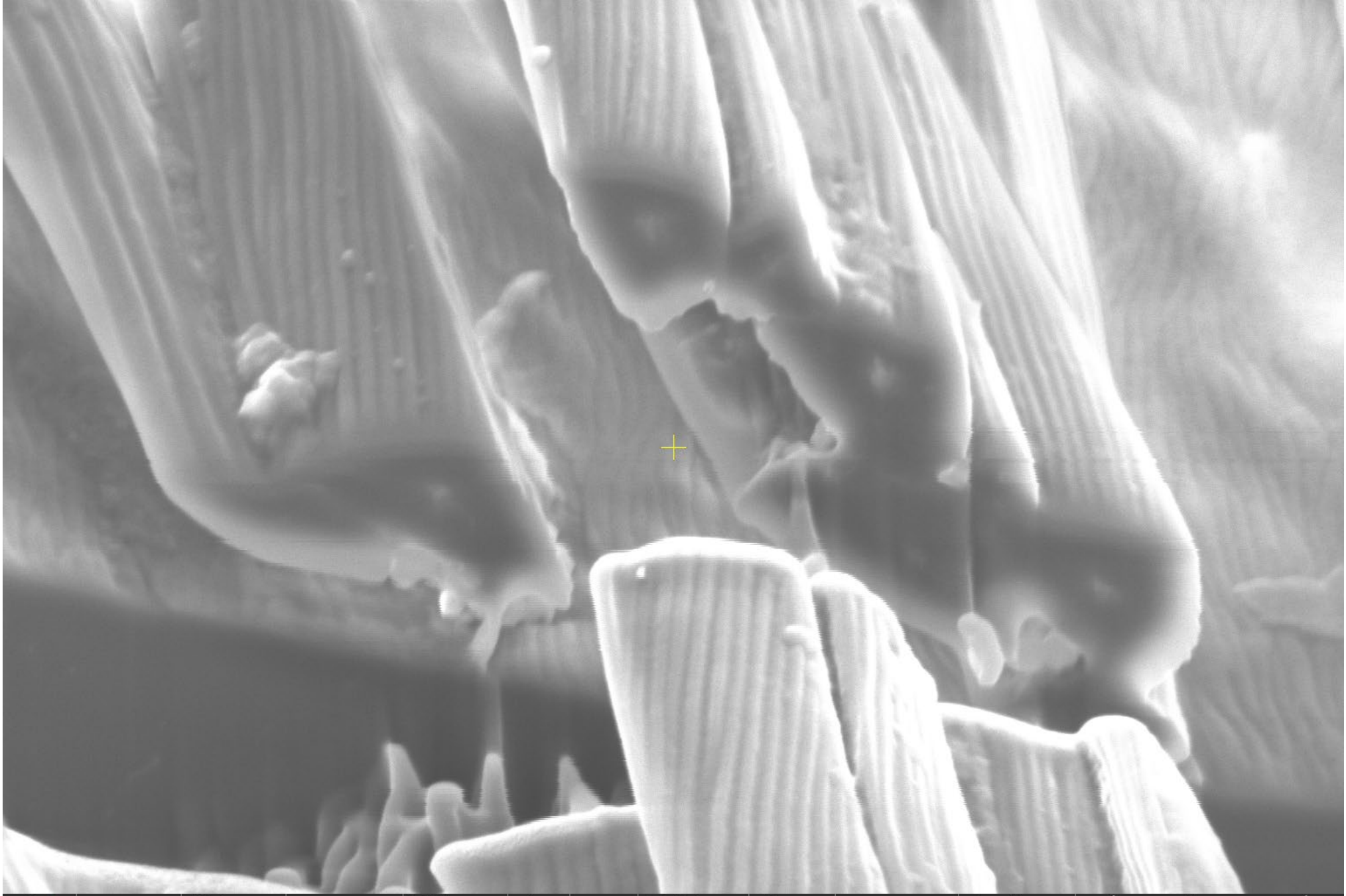
	curr	HV	mag	WD	det	spot	HFW	tilt	use case	dwell	 5 μm	
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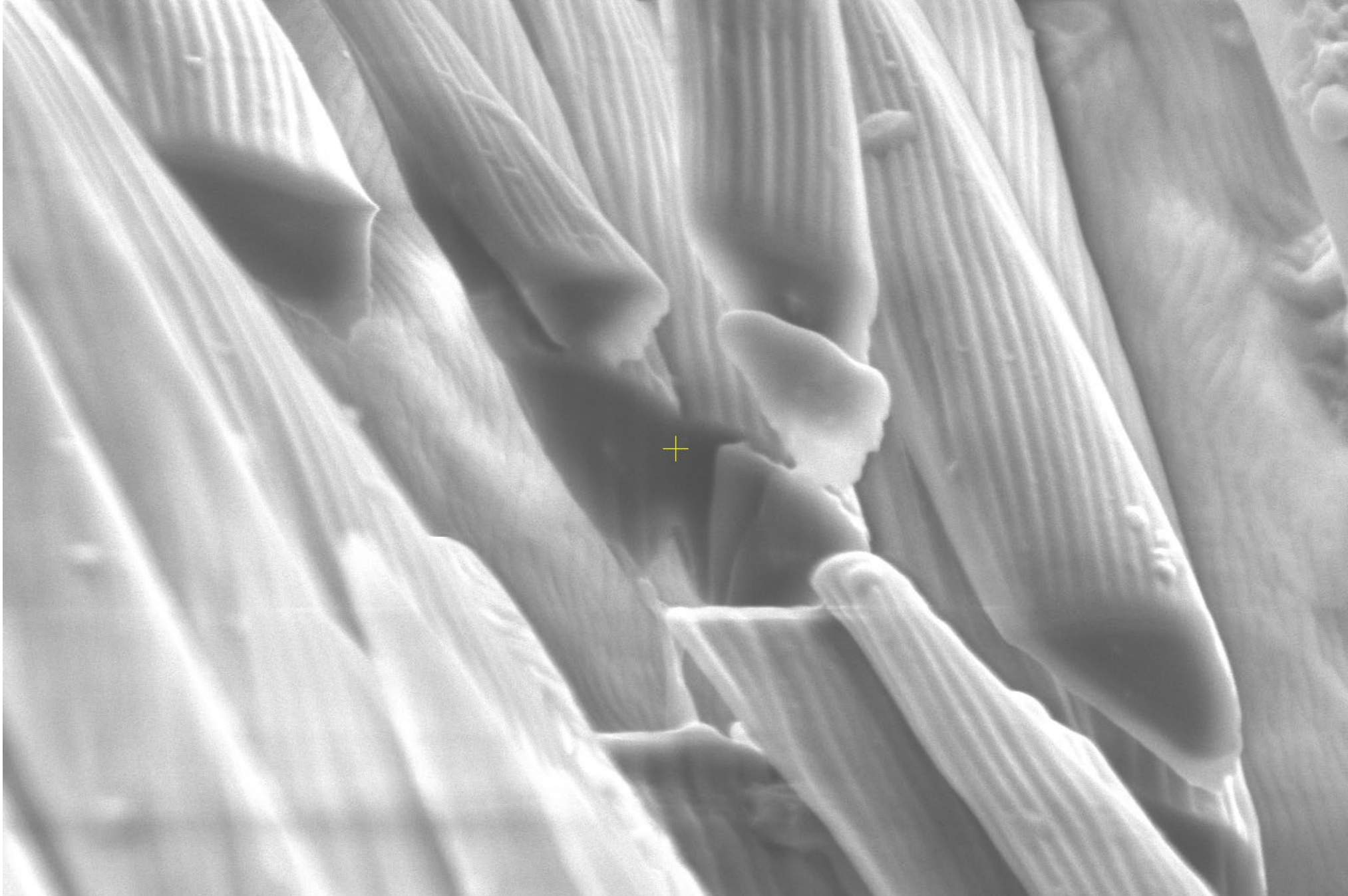
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	curr	HV	mag	☐	WD	det	spot	HFW	tilt	use case	dwell	 5 μm
	0.20 nA	5.00 kV	10 000 x		7.0 mm	ETD	9.0	41.4 μm	52.0 °	Standard	10.00 μs	



	curr	HV	mag	☐	WD	det	spot	HFW	tilt	use case	dwell	 2 μm
	0.20 nA	5.00 kV	30 000 x		7.0 mm	ETD	9.0	13.8 μm	52.0 °	Standard	10.00 μs	



	curr	HV	mag	☐	WD	det	spot	HFW	tilt	use case	dwell	 2 μm
	0.20 nA	5.00 kV	30 000 x		7.0 mm	ETD	9.0	13.8 μm	52.0 °	Standard	5.00 μs	