

***Lepidochaetus zelinkai* Grünspan, 1908**

Most likely ID: n.a.

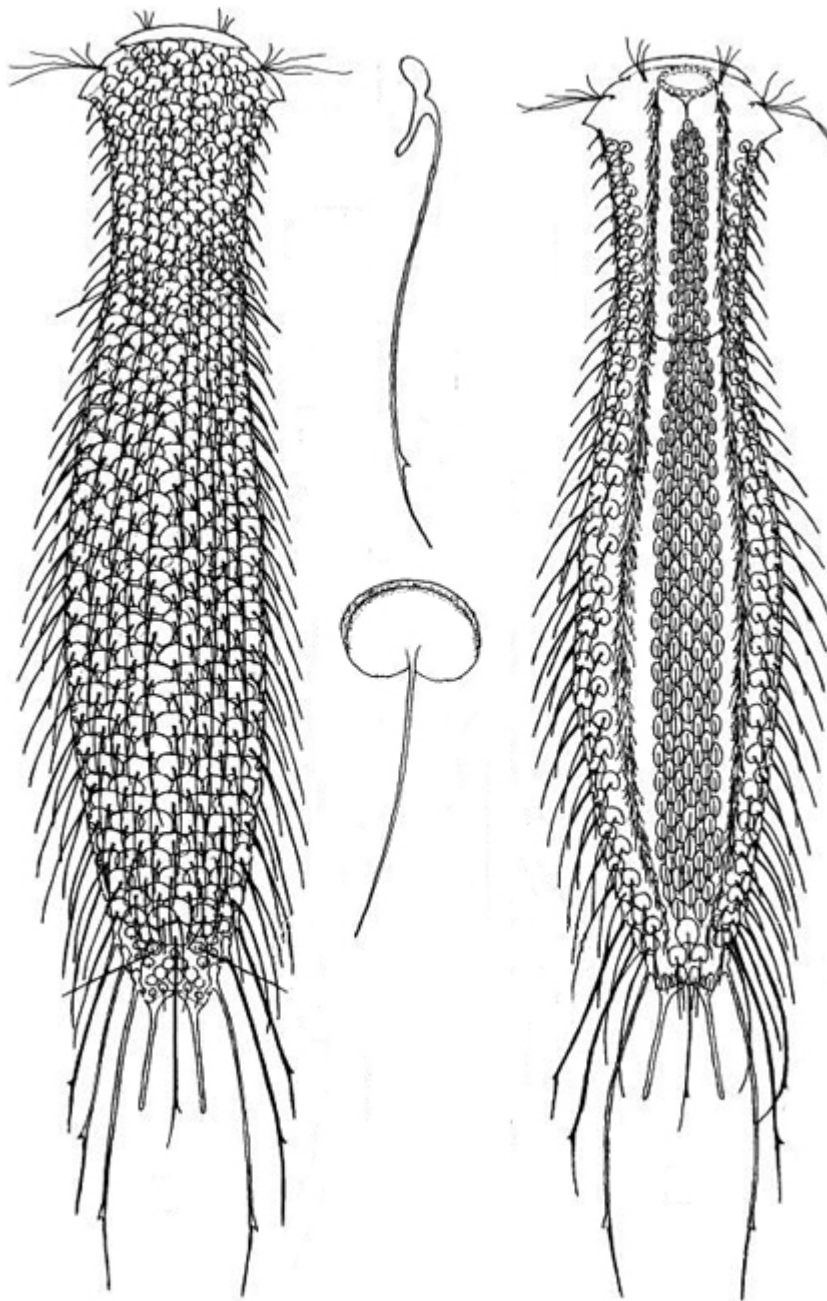
Synonym: *Chaetonotus zelinkai*

Sampling location: [Simmelried](#)

Phylogenetic tree: [Lepidochaetus zelinkai](#)

Diagnosis:

- body slender, elongated, posterior end narrowed
- length 200–310 µm
- head hammer-shaped, five-lobed
- cephalion present
 - two pairs of dorsal setolae, posterior ones on special oval scales
- toes 30–39 µm long with thin adhesive tubes (20–33 µm)
- dorsal 11–13 longitudinal rows of oval or elliptically scales with a bulged anterior margin
- dorsal scales with simple spines, 30–35 µm long
- ventral 7 longitudinal rows of oval scales with short, simple spines
- at posterior end 7 elongated spines each with a secondary spine, 30–85 µm long
- dorsal anal region covered with roundish, spineless scales



after Schwank

Lepidochaetus zelinkai

So far I have only found *Lepidochaetus zelinkai* in the uppermost mud layer in the [Simmelried](#). *Lepidochaetus zelinkai* can be recognized even at low magnification by the 7 elongated terminal spines (s. fig. 9). Three pairs arise laterally and one spine arises dorsally in the middle of the anal region. The dorsal scales have a raised anterior margin and a distal indentation, which can only be recognized on isolated scales (s. fig. 6). The ventral scales are smaller versions of the dorsal scales (s. figs. 7 a-b and 8). However, the simple spines are shorter here.

Lepidochaetus zelinkai
Obj. 40 X



Fig. 1 a-c: *Lepidochaetus zelinkai*. L = 204 μ m (without terminal spines). A freely swimming specimen from dorsal (a, b) and from right (c). Obj. 40 X.

Lepidochaetus zelinkai
Obj. 40 X

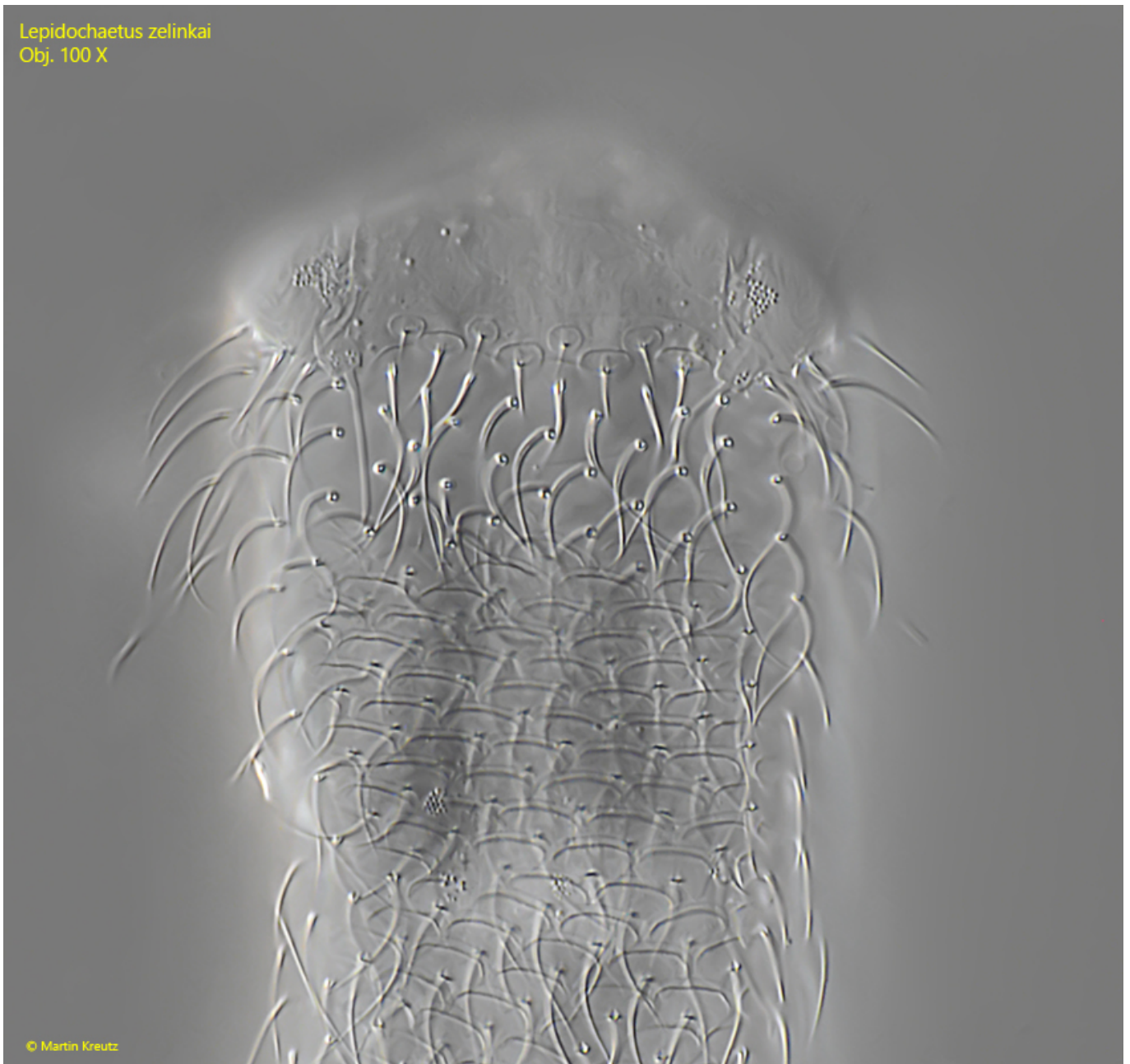


Fig. 2 a-b: *Lepidochaetus zelinkai*. L = 215 μ m (without terminal spines). A second freely swimming specimen from dorsal. Obj. 40 X.



Fig. 3 a-c: *Lepidochaetus zelinkai*. L = 238 μm (without terminal spines). A third freely swimming specimen from dorsal. Obj. 40 X.

Lepidochaetus zelinkai
Obj. 100 X



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Fig. 4: *Lepidochaetus zelinkai*. The dorsal scales covering the head in detail. Obj. 100 X.

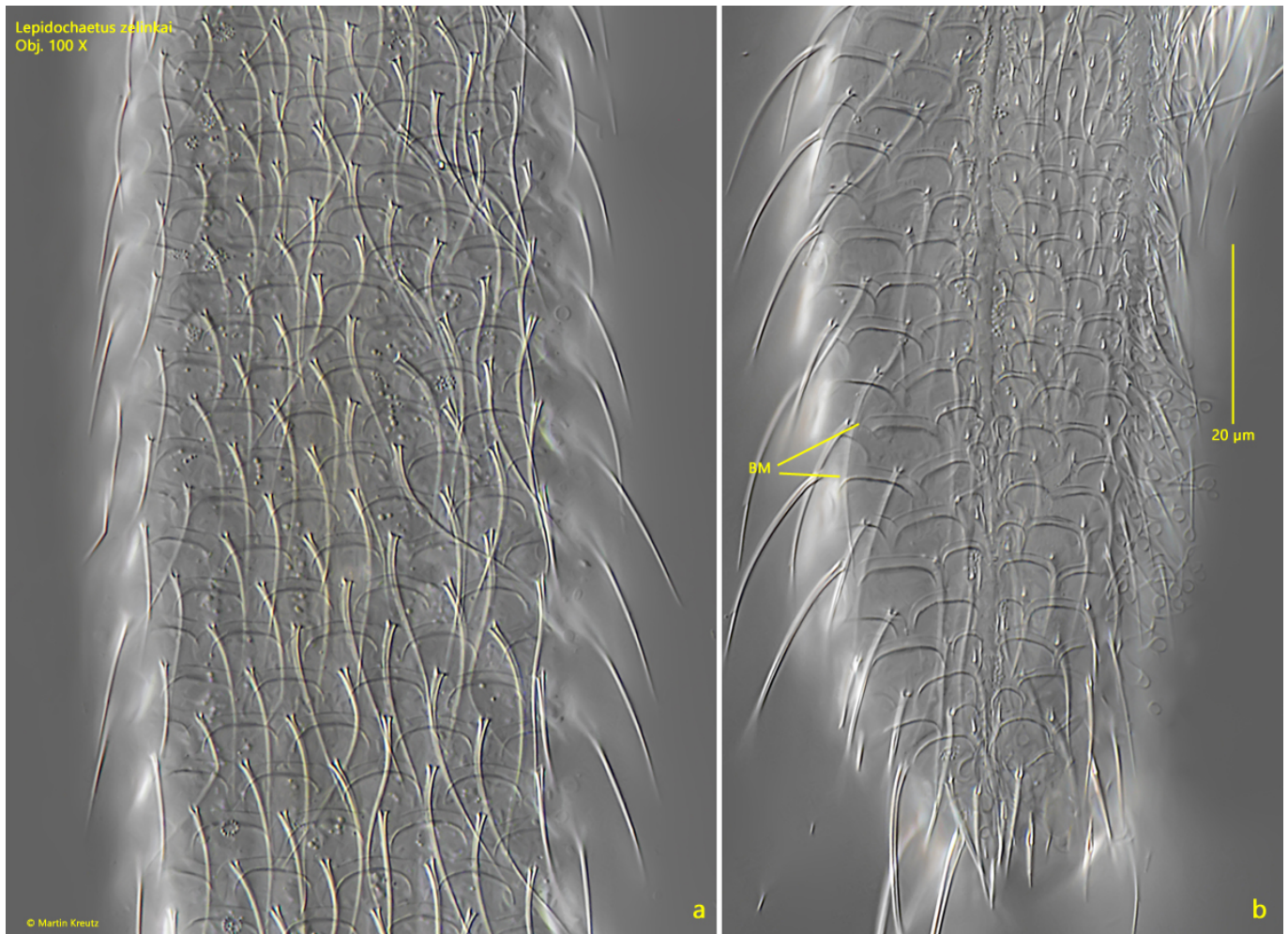
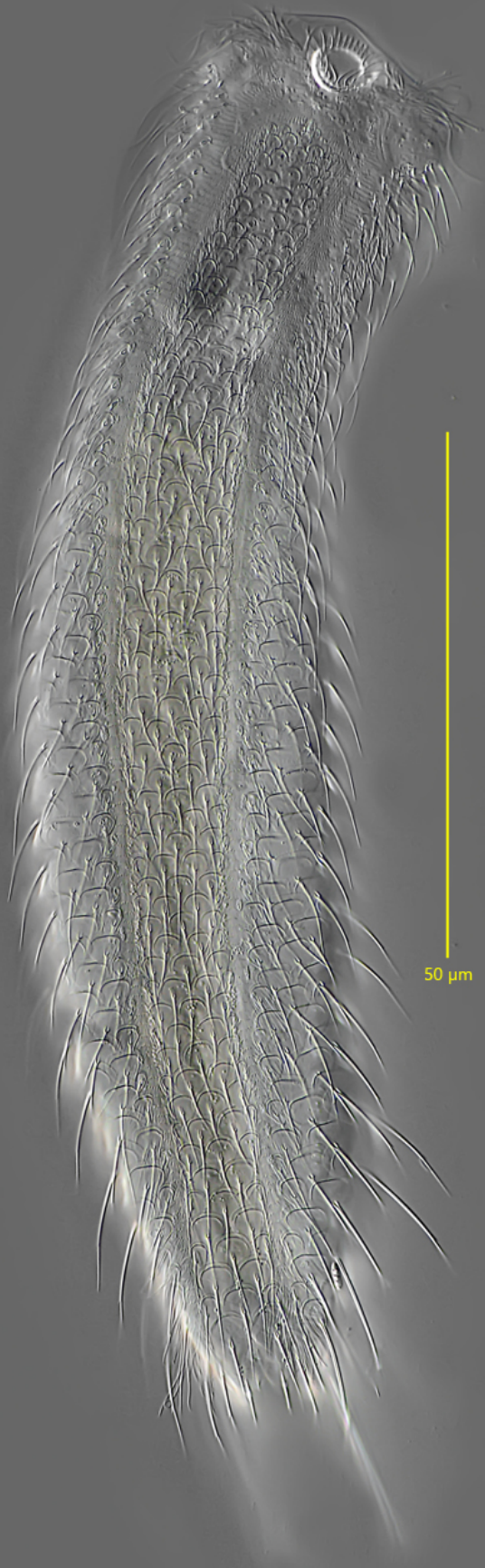


Fig. 5 a-b: *Lepidochaetus zelinkai*. The dorsal scales of a slightly squashed (a) and squashed specimen (b). Note the bulged anterior margin of the scales (BM). Obj. 100 X.



Fig. 6: *Lepidochaetus zelinkai*. A detached dorsal scale. Obj. 100 X.

Lepidochaetus zelinka
Obj. 60 X



a

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b

Fig. 7 a-b: *Lepidochaetus zelinkai*. L = 304 μm (without terminal spines). Two focal planes from ventral. Obj. 100 X.



Fig. 8: *Lepidochaetus zelinkai*. The ventral scales in detail. Obj. 100 X.



Fig. 9: *Lepidochaetus zelinkai*. The elongated, terminal spines, each with a small secondary spine (arrows). Obj. 100 X.