# *Ochromonas crenata* Klebs, 1893

**Most likely ID:** n.a.

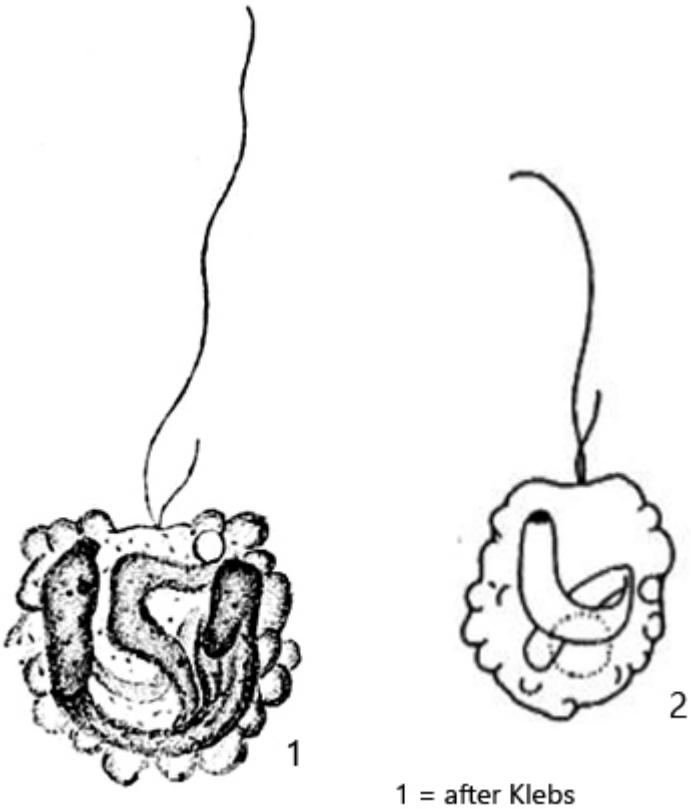
**Synonym:** n.a.

**Sampling location:** **Simmelried**

**Phylogenetic tree:** ***Ochromonas crenata***

**Diagnosis:**

- solitary cells, spherical
- length 12–20 µm
- apical stigma
- two unequal flagella, the longer flagellum twice cell length
- single chloroplast, twisted, brown-yellowish, without pyrenoid
- cell surface with conspicuous blisters (mucocysts)
- nucleus in anterior third




Ochromonas crenata

I have found *Ochromonas crenata* so far only in the Simmelried, mostly associated with *Ochromonas verrucosa*. While *Ochromonas verrucosa* is oval and the cells are mostly longer than 20 µm, *Ochromonas crenata* has a round body shape and is clearly smaller than 20 µm (mostly about 15 µm). In addition, the longer flagellum of *Ochromonas crenata* is proportionally much longer than that of *Ochromonas verrucosa*. The small blisters on the cell surface are mucocysts.

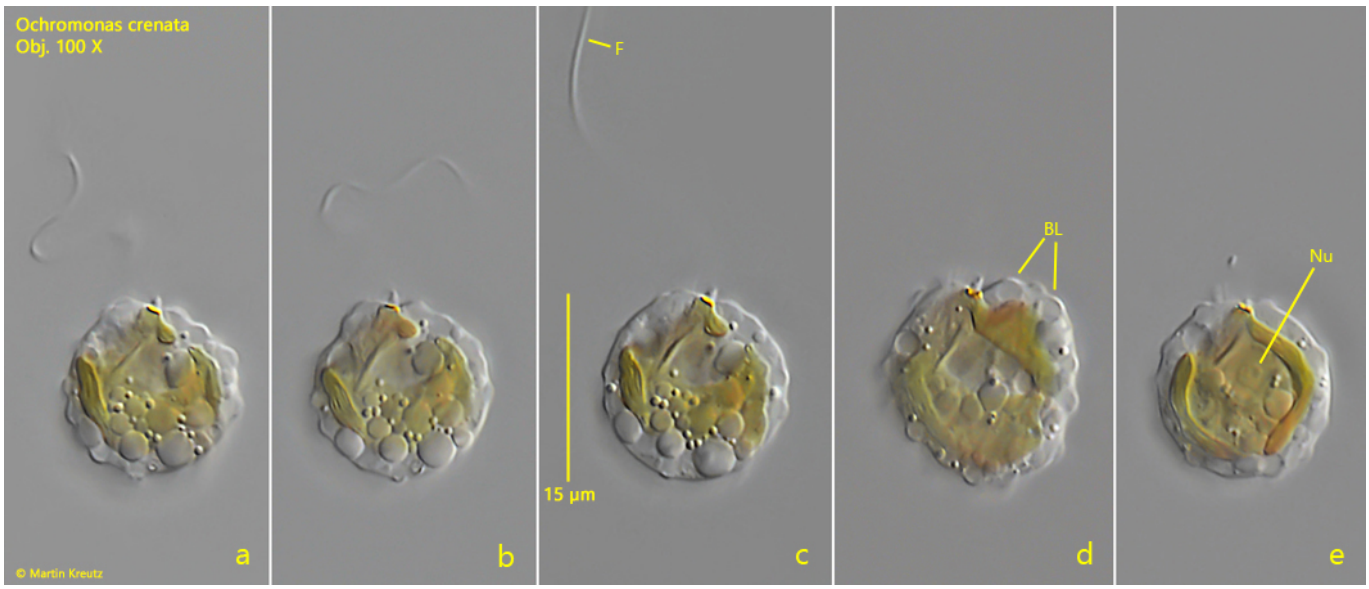



**Fig. 1 a-e:** *Ochromonas crenata*. L = 15 µm. A freely swimming specimen. BL =

blisters (mucocysts), F = flagellum (the longer one), Nu = nucleus. Obj. 100 X.