Rhodobacteria 13

Most likely ID: n.a.

Synonym: n.a

Sampling location: **Simmelried**

Phylogenetic tree: n.a.

Diagnosis:

- the cells are ovoid, slightly irregularly shaped
- length 4.3–4.9 µm, width 3.7–4.0 µm
- colorless or very slightly yellowish
- sphere shaped colonies of about 50–200 µm in diameter
- cells in the colonies are tightly packed but separated from each other
- gelatinuous sheath present with a clear margin
- many visible division stages in the colonies
- granules in the cells are scattered homogeneously

No drawings from previous authors available.

Rhodobacteria 13 forms approximately spherical, compact colonies with a clear margin of the gelatinuous sheat. The cells are broadly oval. Young cells approximately spherical. This species is similar to *Rhodobacteria 10*, but the cells of *Rhodobacteria 13* do not have the distinct refractive spherules in the cells. In addition, the cells of *Rhodobacteria 13* are nearly colorless and more densely packed in the colonies. I have found *Rhodobacteria 13* so far exclusively in the Simmelried.

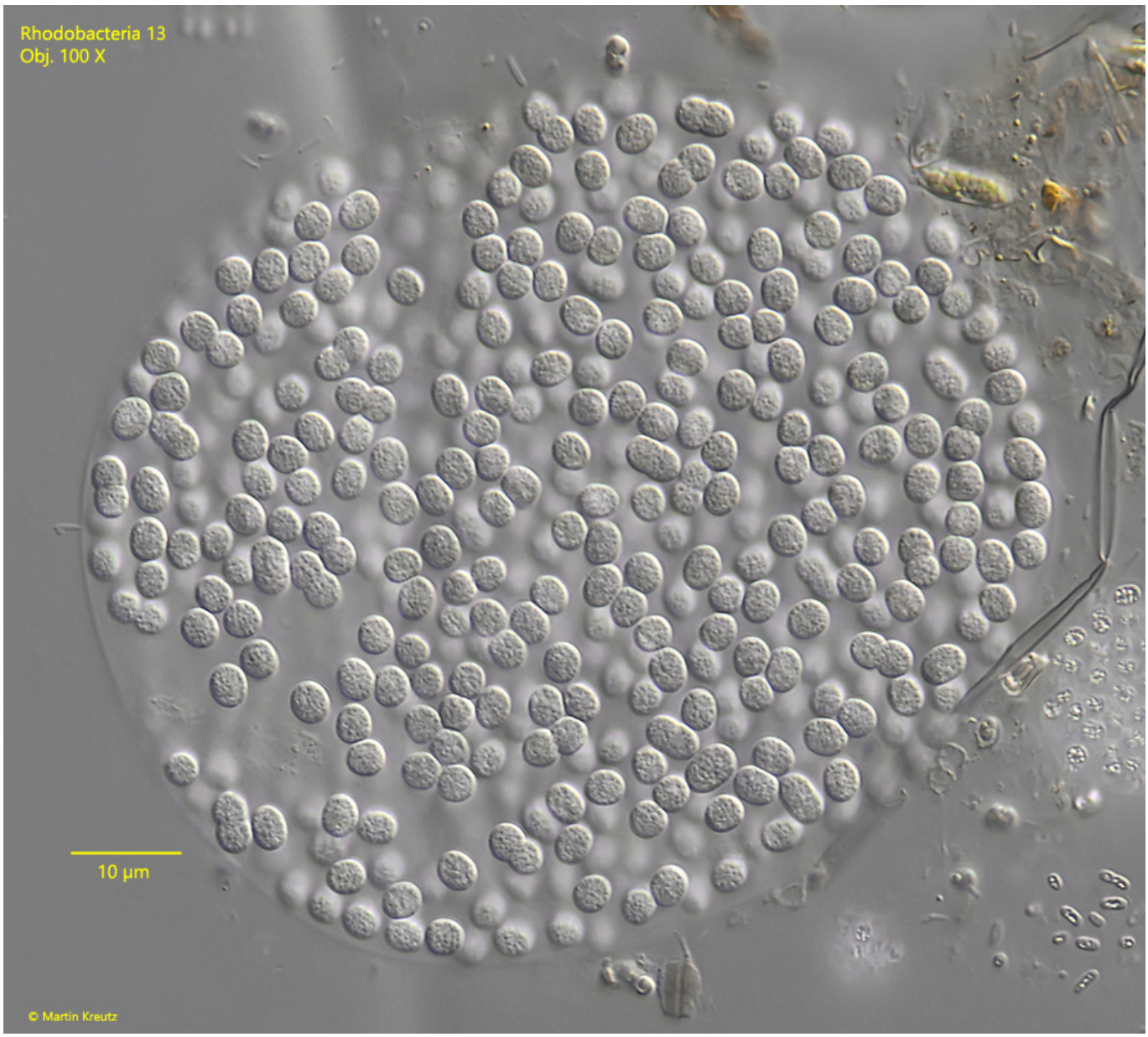

Fig. 1: *Rhodobacteria 13.* L = 3.9–4.8 µm. A slightly squashed, spherical colony with a clearly visible gelatinous sheath and a diameter of 100 µm. The cells are tightly packed but separated from each other. All cells are homogeneously filled with granules. Obj. 100 X.