# Magnetogigantoglobus gen. nov.

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**Table 1:** Complete list of names proposed in the current register list.

| Proposed Taxon | Etymology | Description | Parent Taxon | Type | Registry URL |
|---|---|---|---|---|---|
| Genus *Magnetogigantoglobus* | [Mag.ne.to.gi.gan.to.glo'bus] **Gr. masc. n.** *Magnês*, a magnet; **Gr. masc. n.** *gigas*, giant; **L. masc. n.** *globus*, a sphere; **N.L. masc. n.** *Magnetogigantoglobus*, giant magnetic sphere | *Magnetogigantoglobus mediterraneus* represents a novel genus of uncultivated multicellular magnetotactic prokaryotes (MMP) observed in marine sediments of the Mediterranean sea. This pluricellular prokaryotes represent a complex cellular architecture comprising 130 on average, each measuring 5.99 µm ± 0.95 in length and each connected to the acellular central compartment 4.21 ± 1.35 µm wide. Organisms are spherical, 16.2 µm ± 0.99 in diameter representing an average volume of 2221.22 µm³ which is more voluminous than that of smaller MMP previously characterized. This feature makes *Magnetogigantoglobus mediterraneus* the biggest magnetotactic bacteria described to date, hence its designation as a “giant”. | *Magnetomoraceae* | *Magnetogigantoglobus mediterraneus*[Ts] | seqco.de/i:51038 |
| | | *Magnetogigantoglobus mediterraneus* represents a species of uncultivated multicellular magnetotactic prokaryotes (MMP) observed in marine sediments of the Mediterranean sea. This | | | |

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|---|---|---|---|---|---|
| Species *Magnetogigantoglobus mediterraneus*[Ts] | [me.di.ter.ra'ne.us] **L. masc. adj.** *mediterraneus*, belonging to the Mediterranean Sea | pluricellular prokaryotes represent a complex cellular architecture comprising 130 on average, each measuring 5.99 µm ± 0.95 in length and each connected to the acellular central compartment 4.21 ± 1.35 µm wide. Organisms are spherical, 16.2 µm ± 0.99 in diameter representing an average volume of 2221.22 µm³ which is more voluminous than that of smaller MMP previously characterized. This feature makes *Magnetogigantoglobus mediterraneus* the biggest magnetotactic bacteria described to date, hence its designation as a “giant”. | *Magnetogigantoglobus* | NCBI Assembly: GCA_965250335.1 [Ts] | seqco.de/i:51035 |