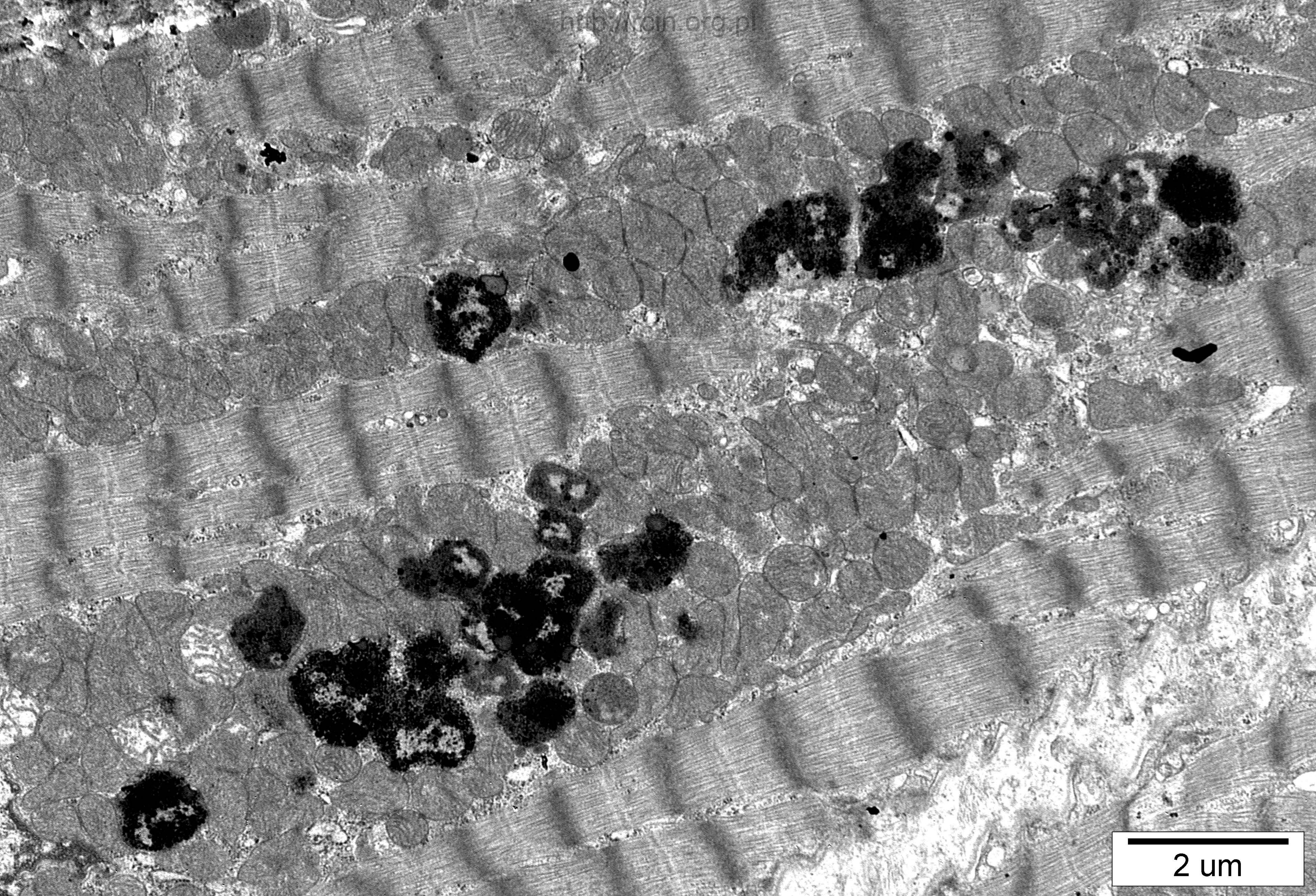
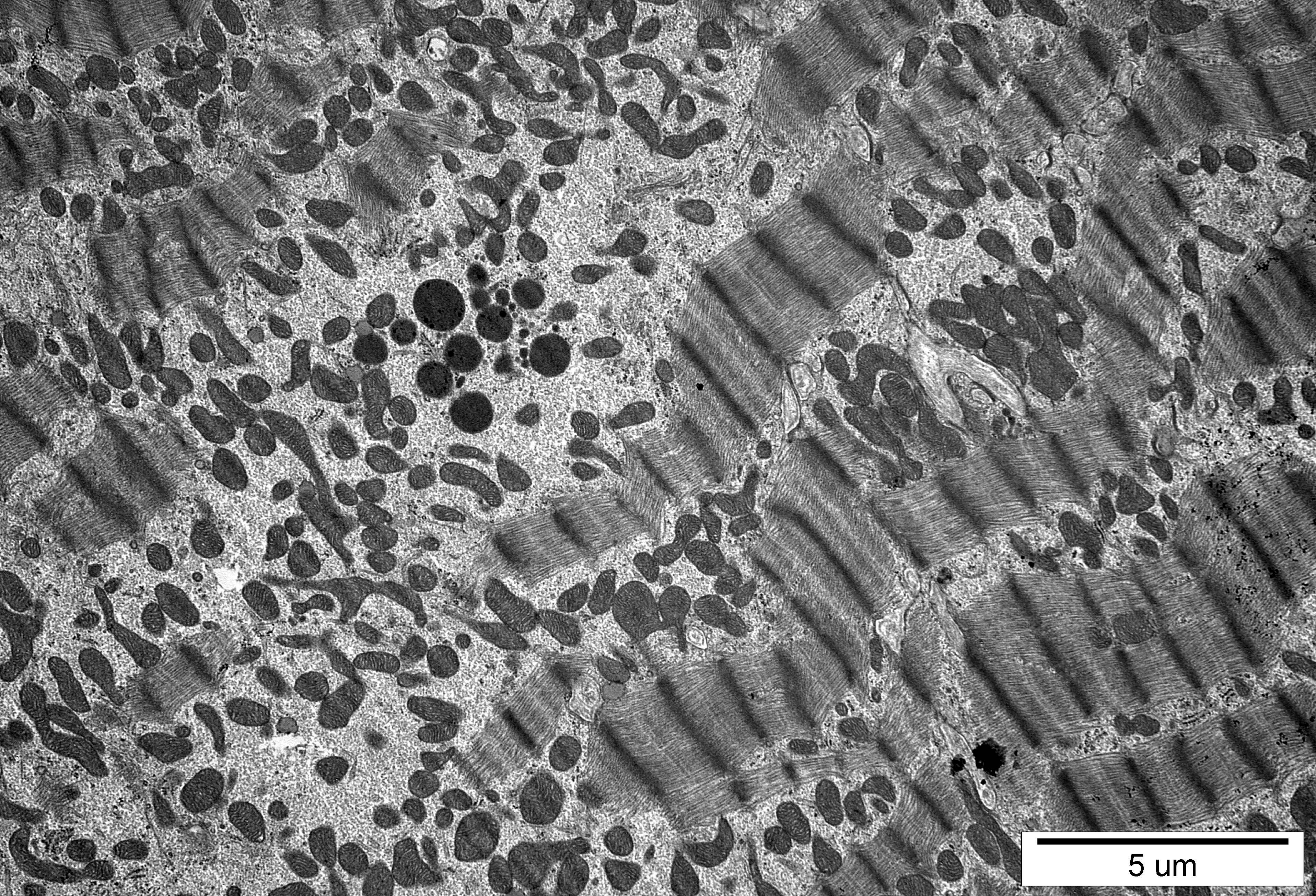


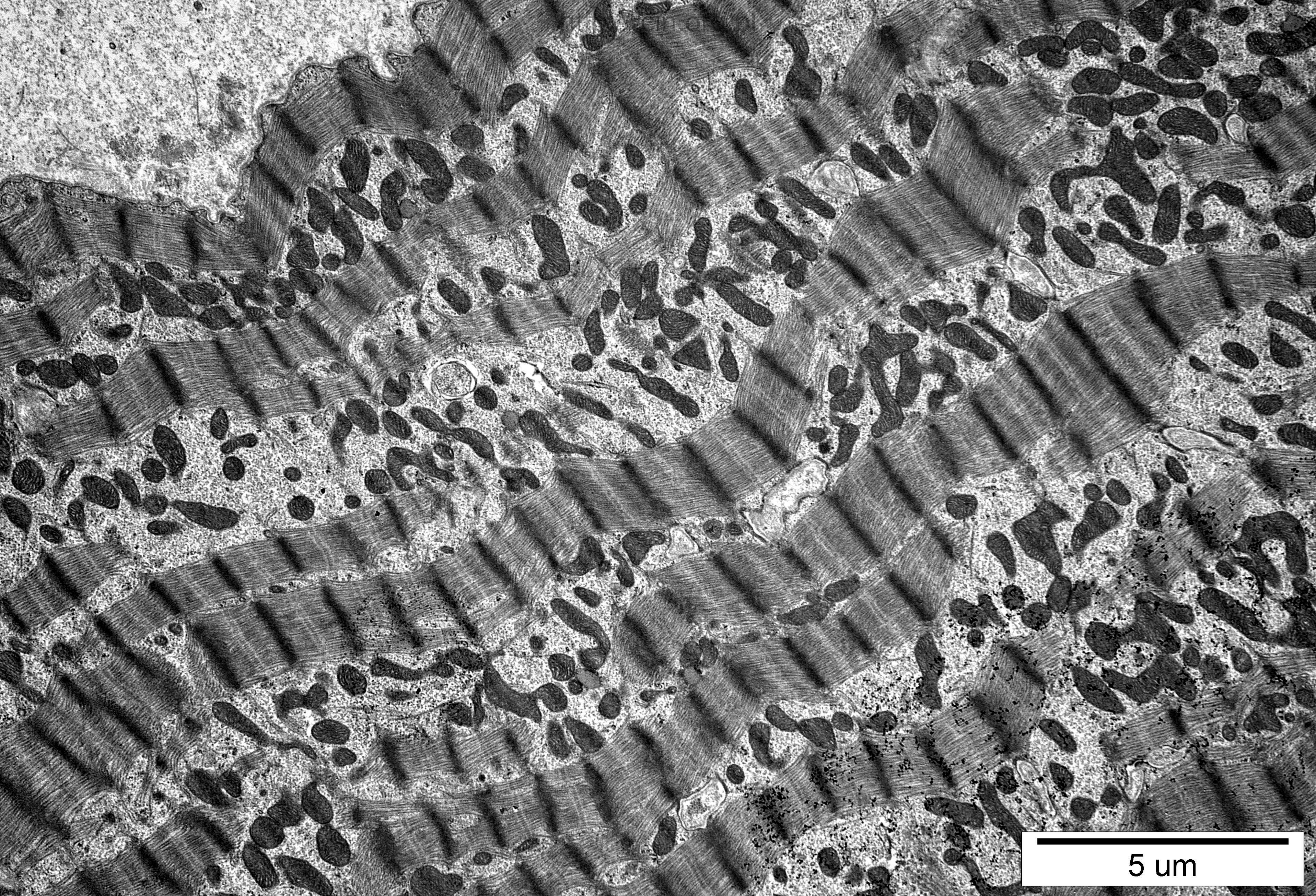
5 um



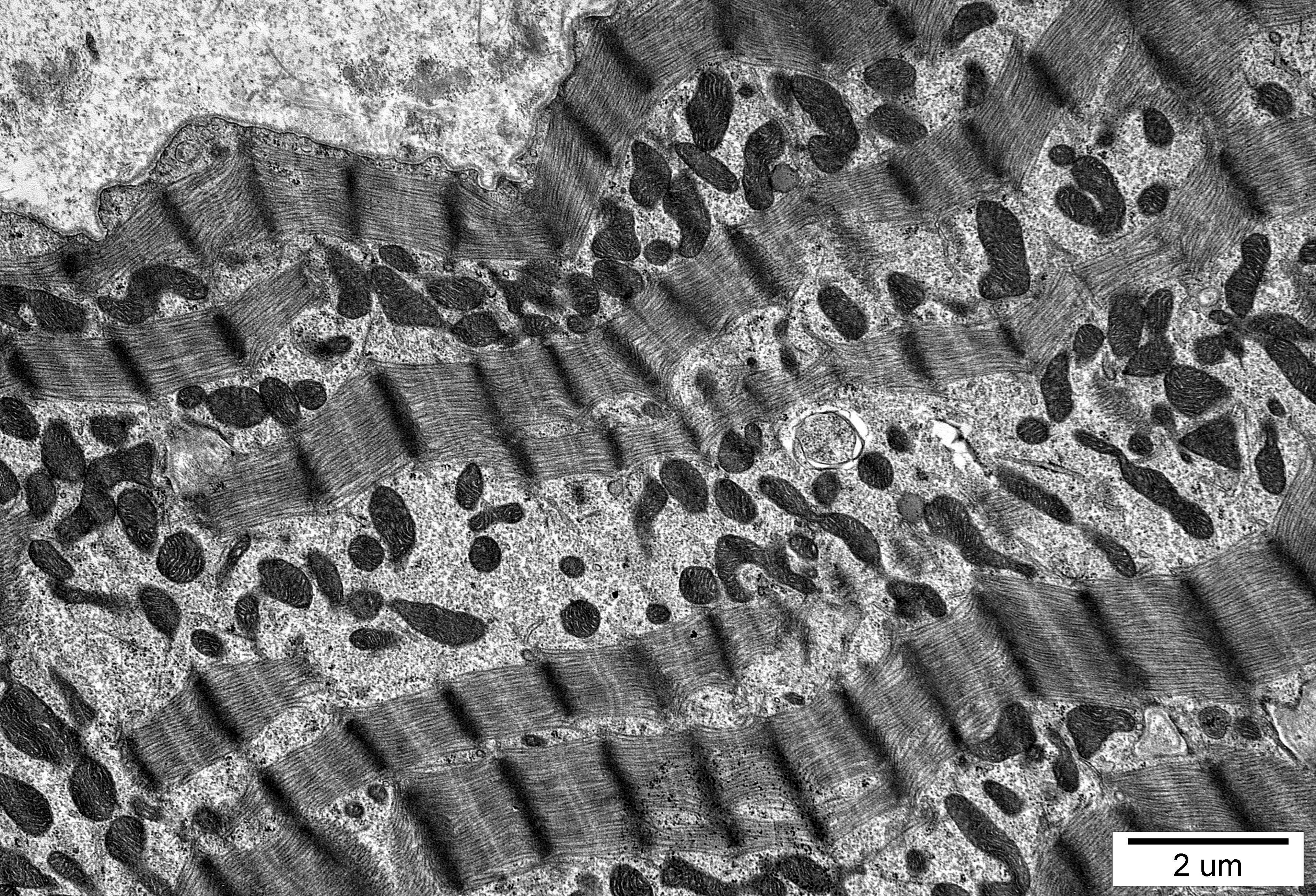
2 um



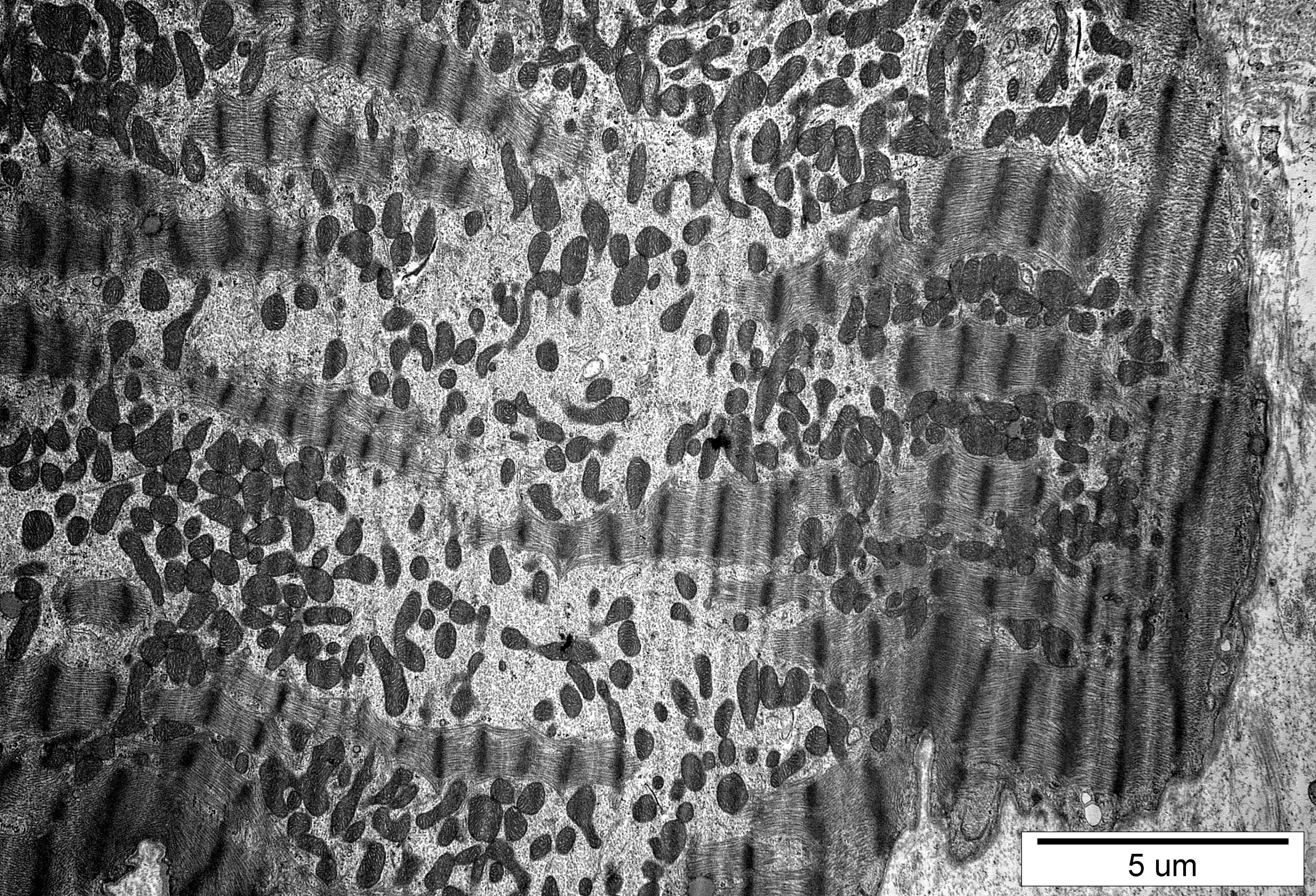
5 μm



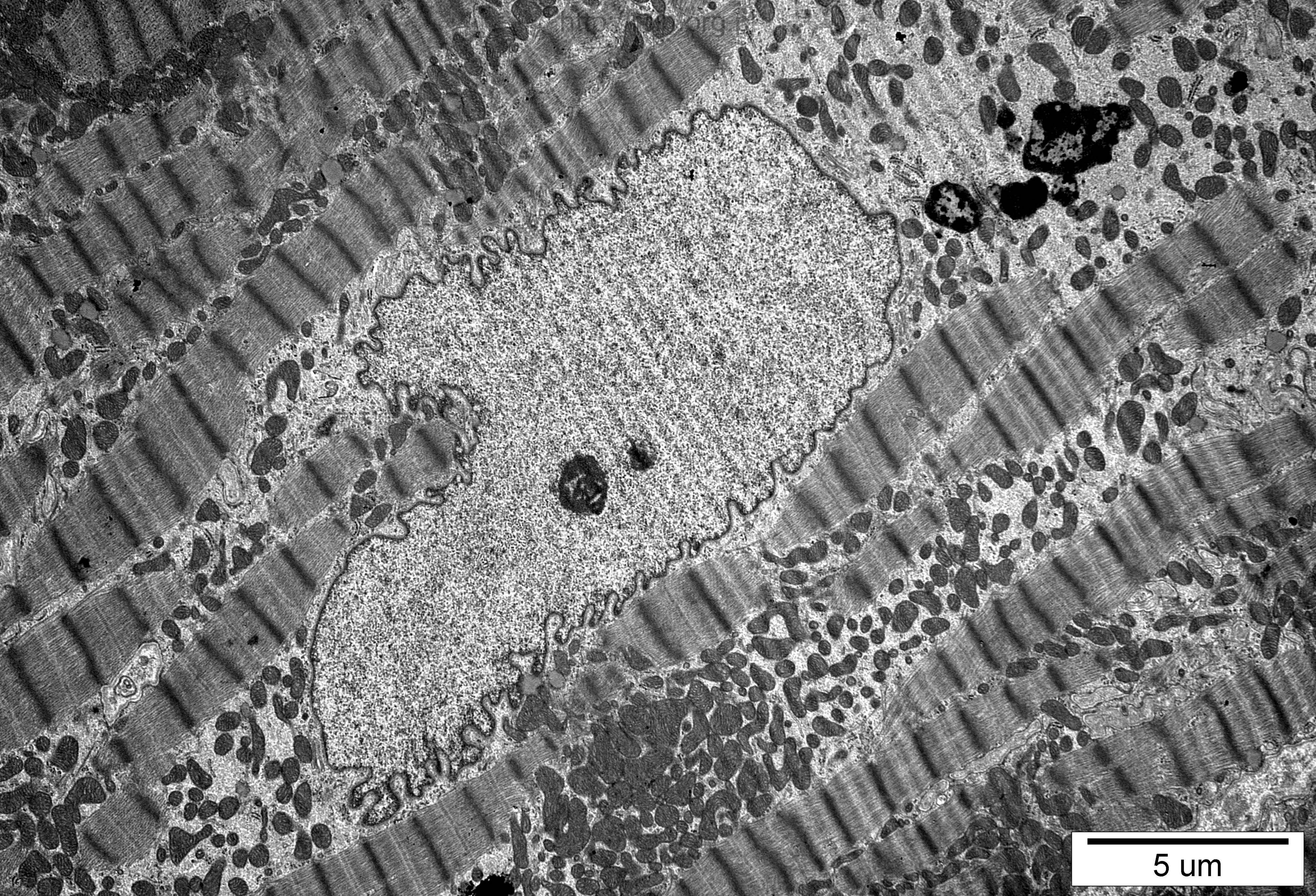
5 μm



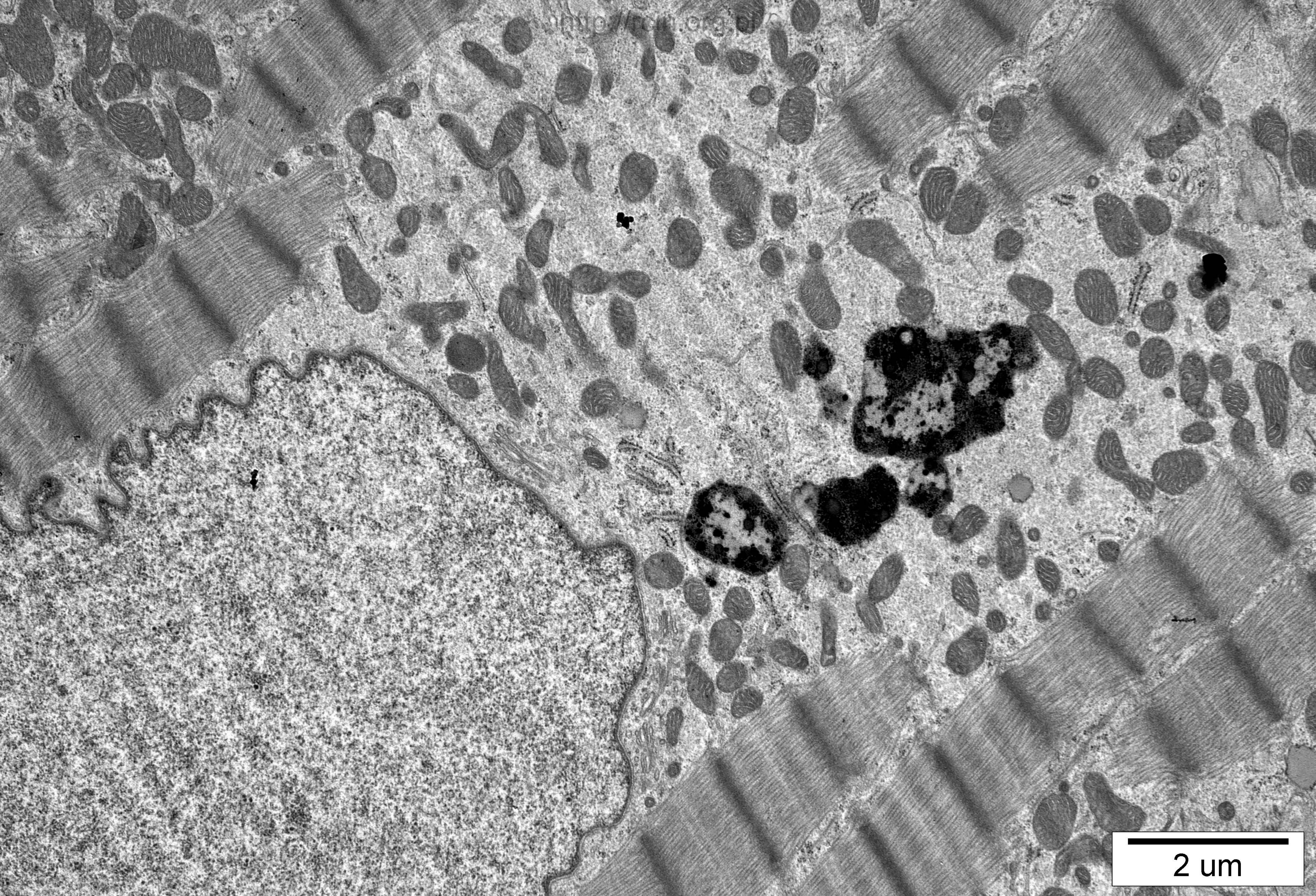
2 um



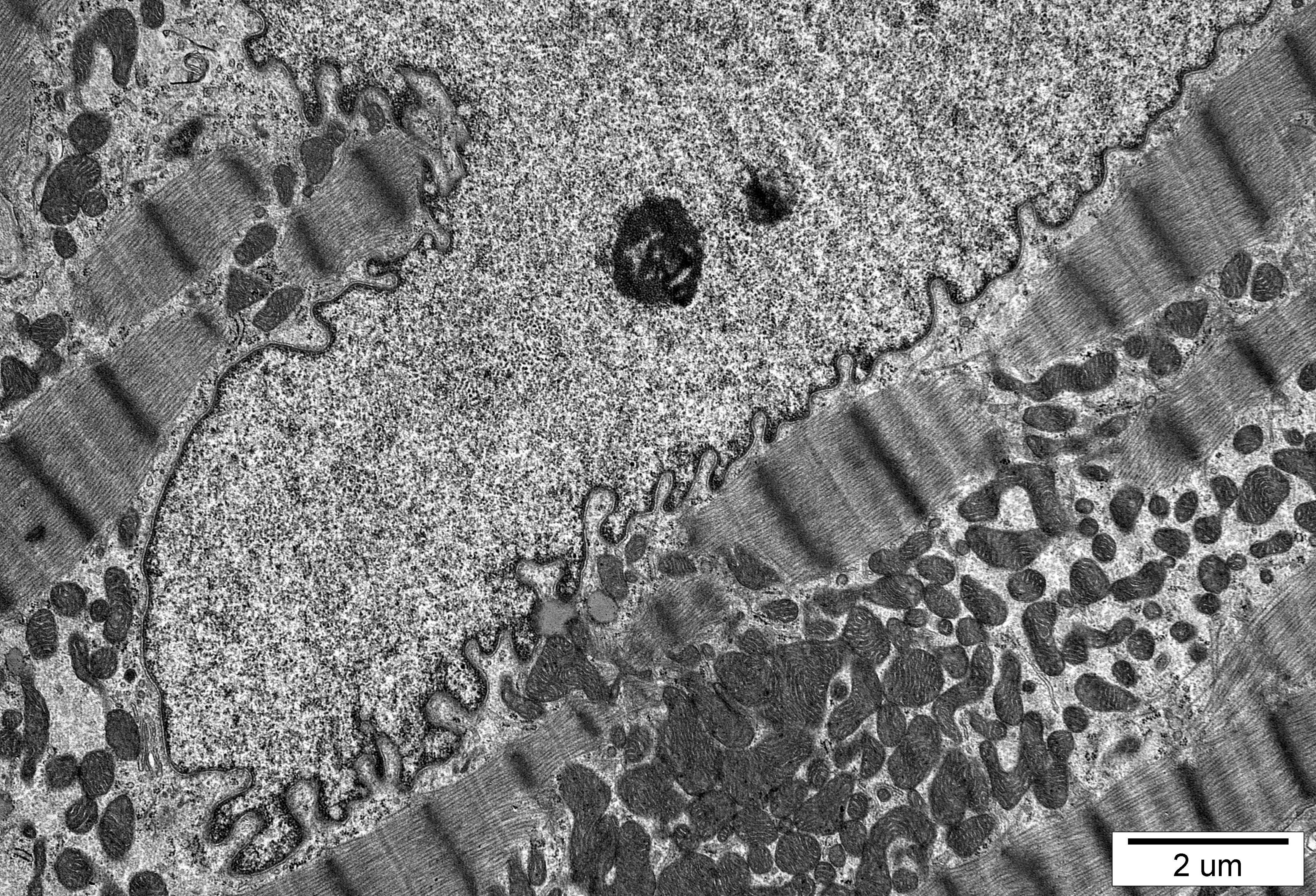
5 um



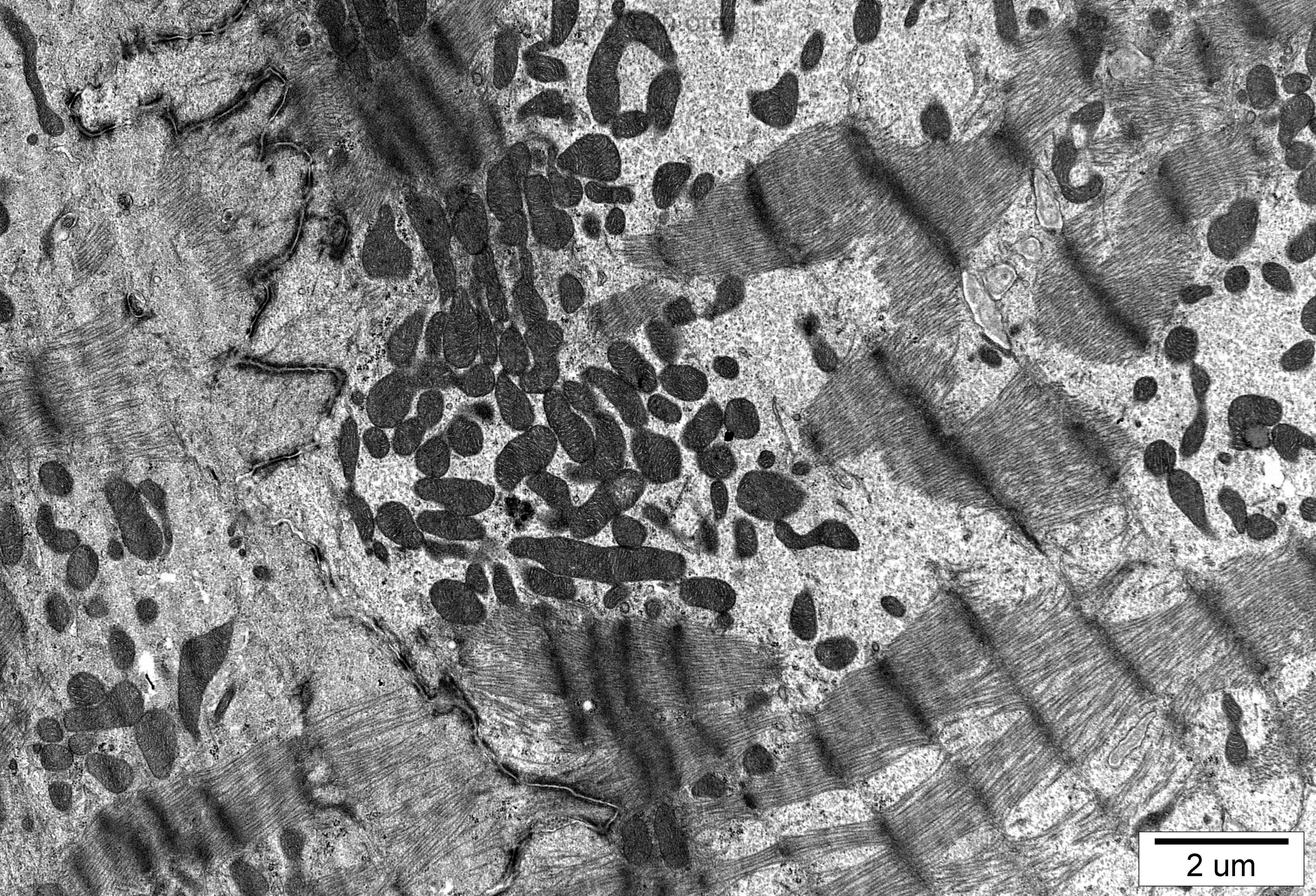
5 um



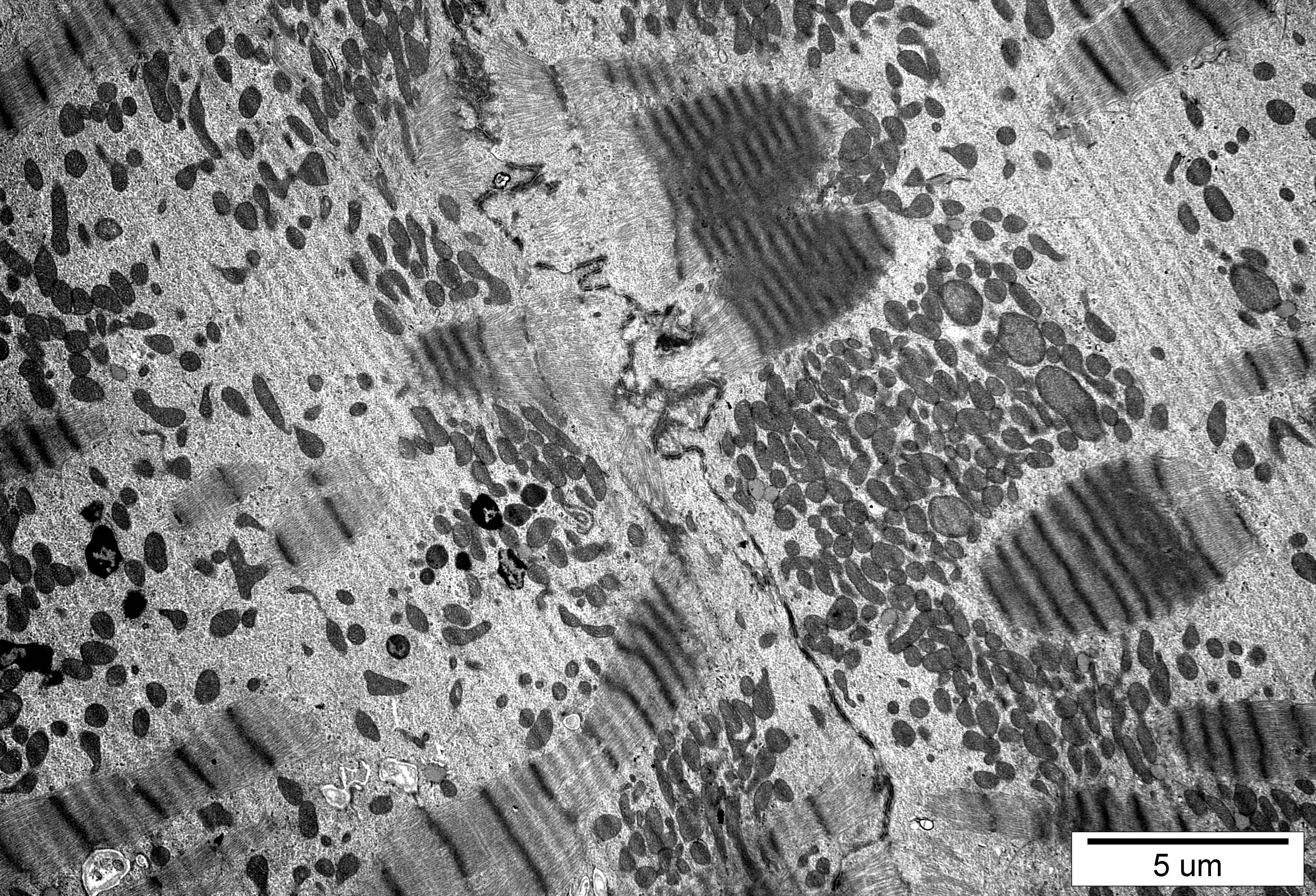
2 μ m



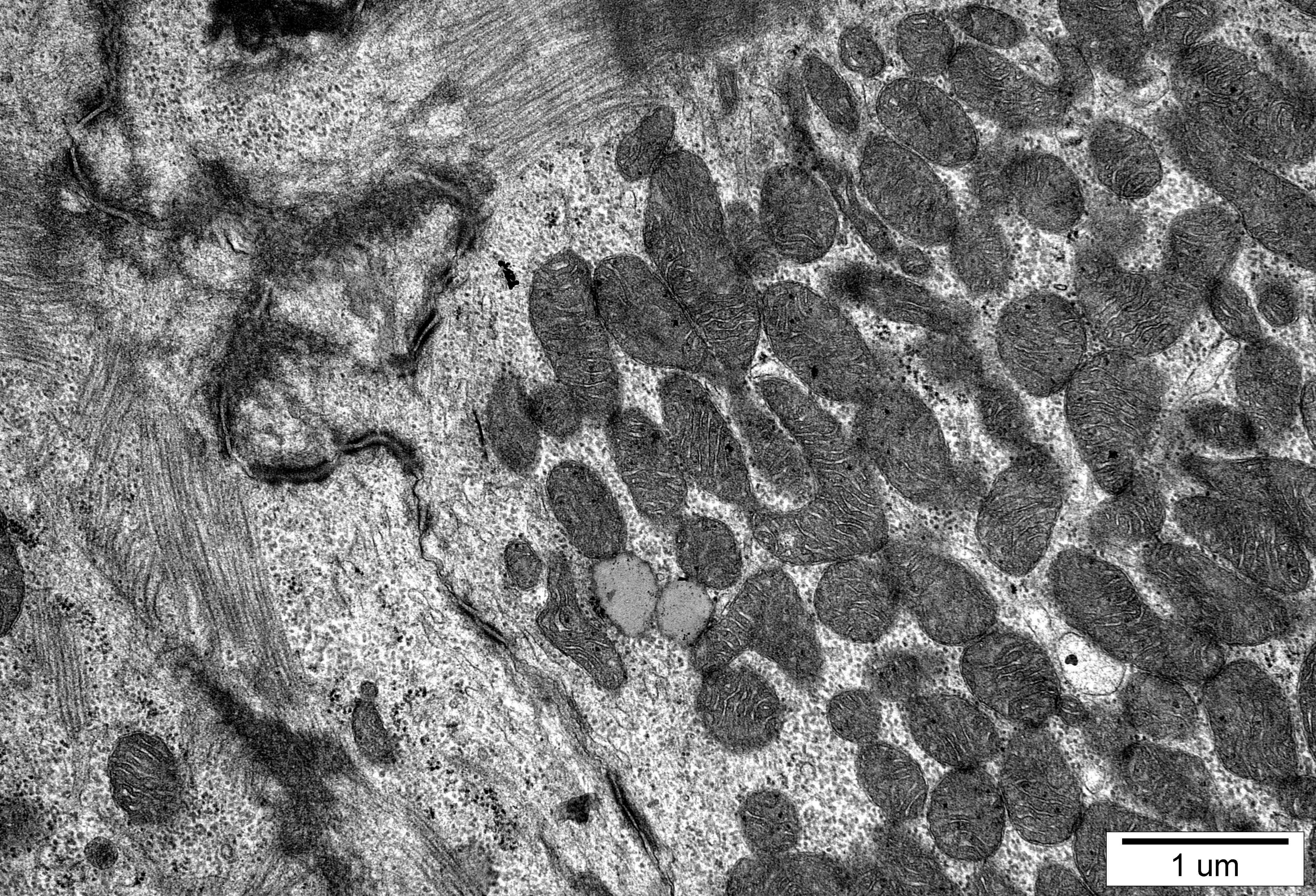
2 um



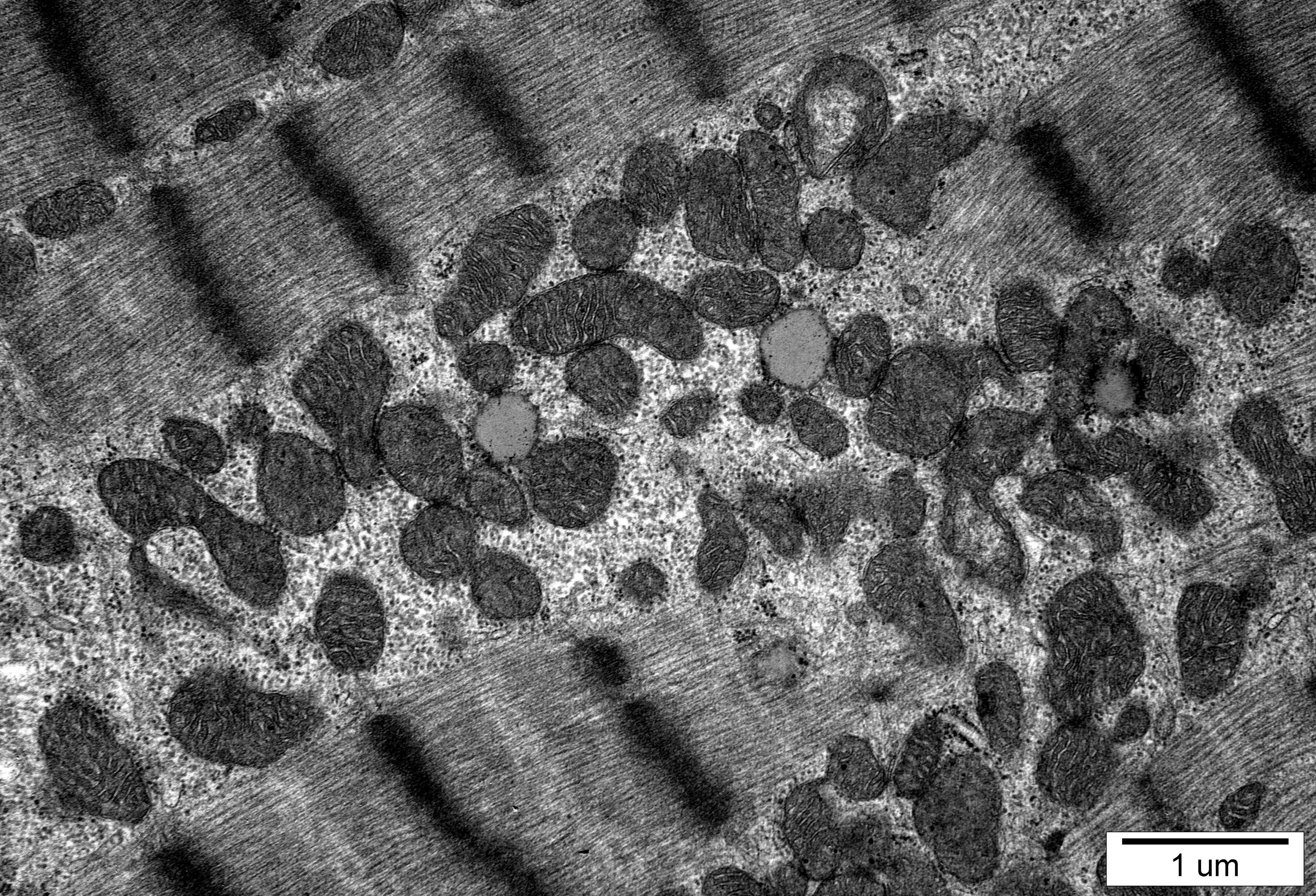
2 um



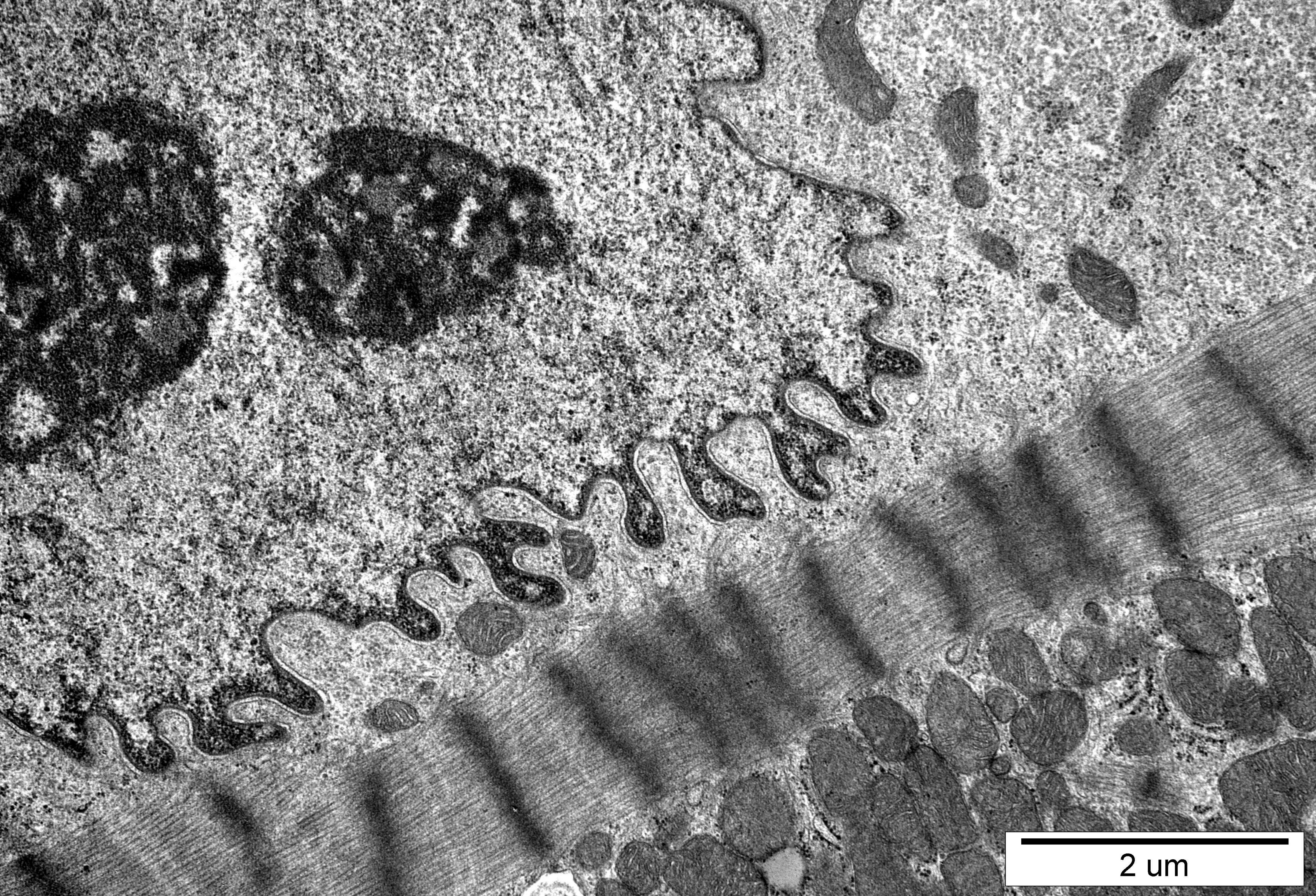
5 um



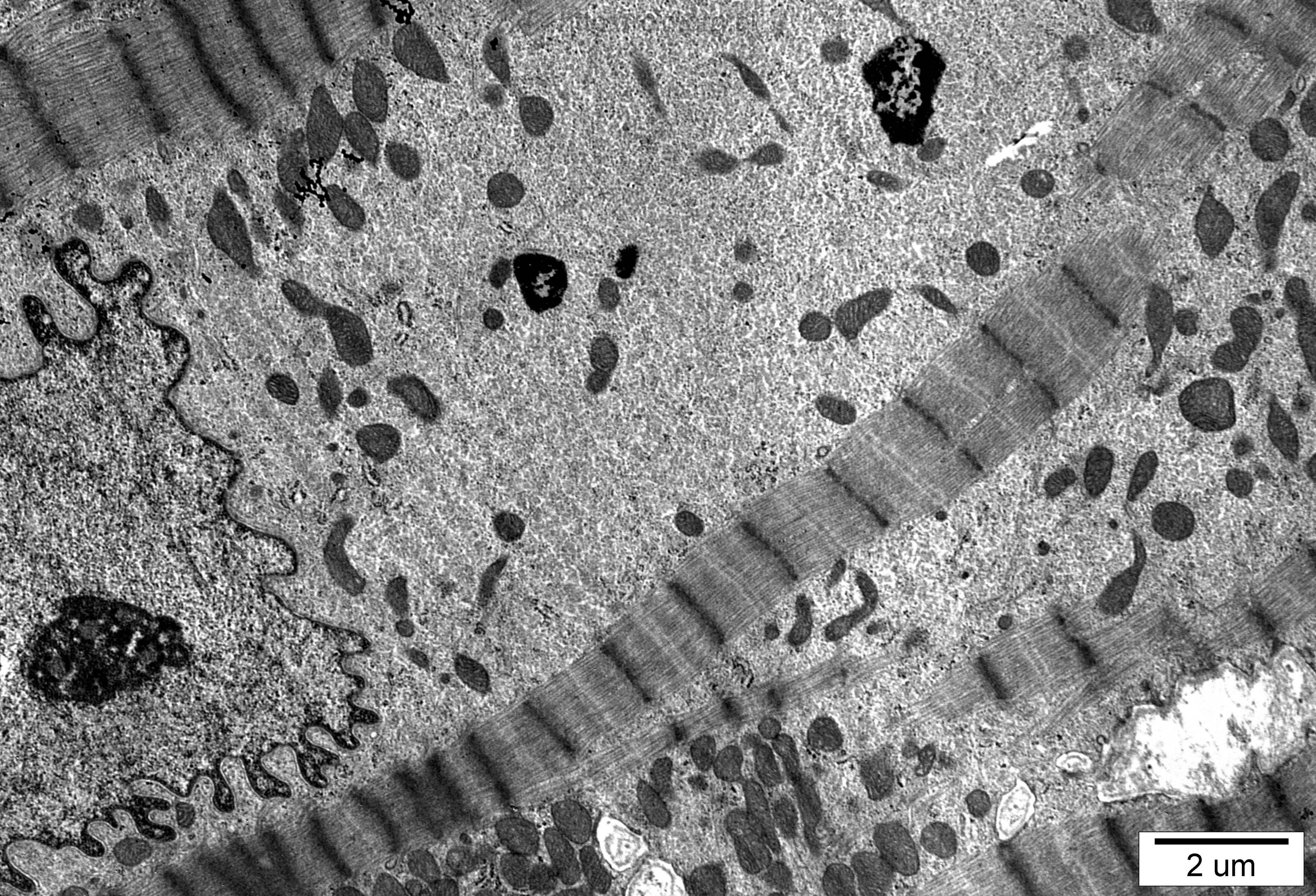
1 μm



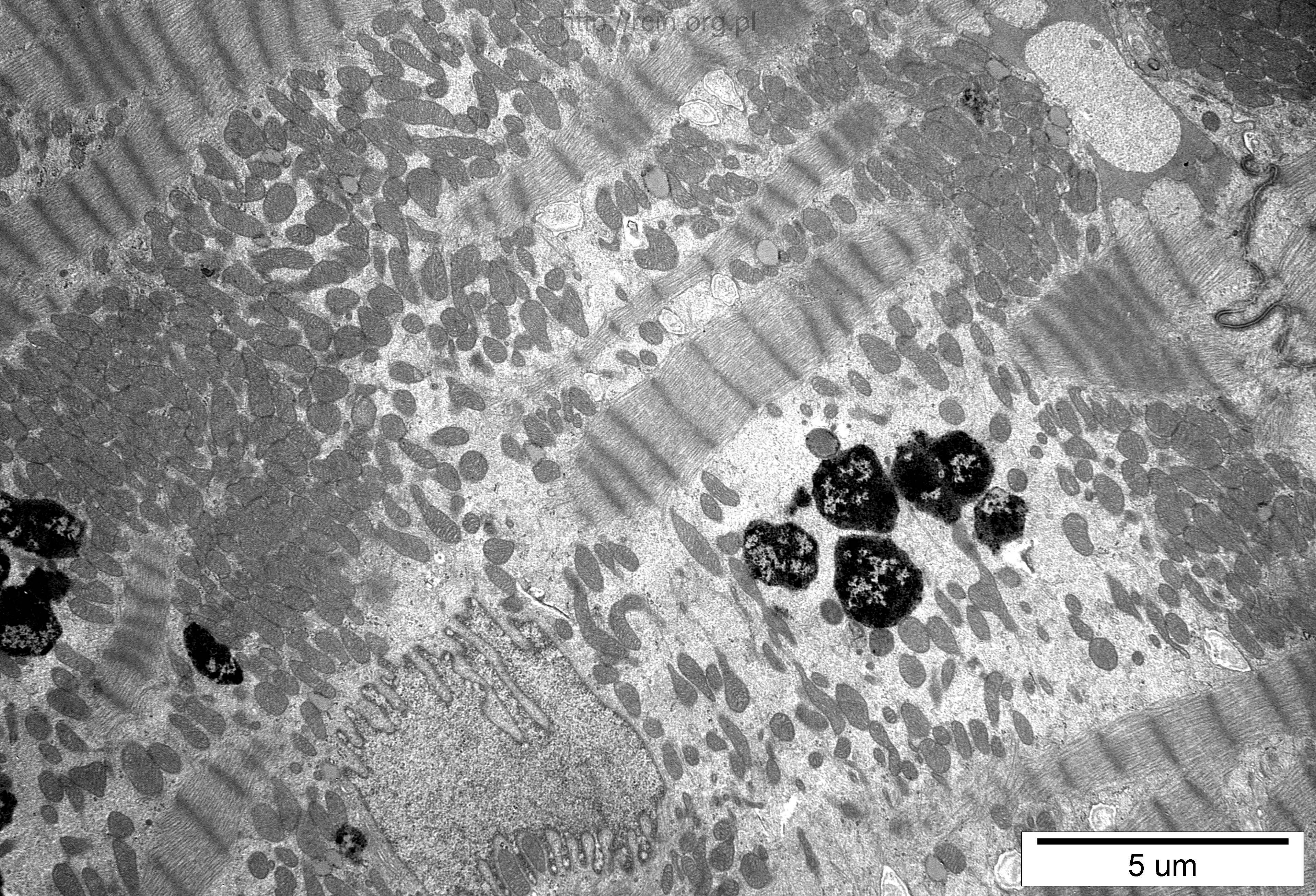
1 um



2 um



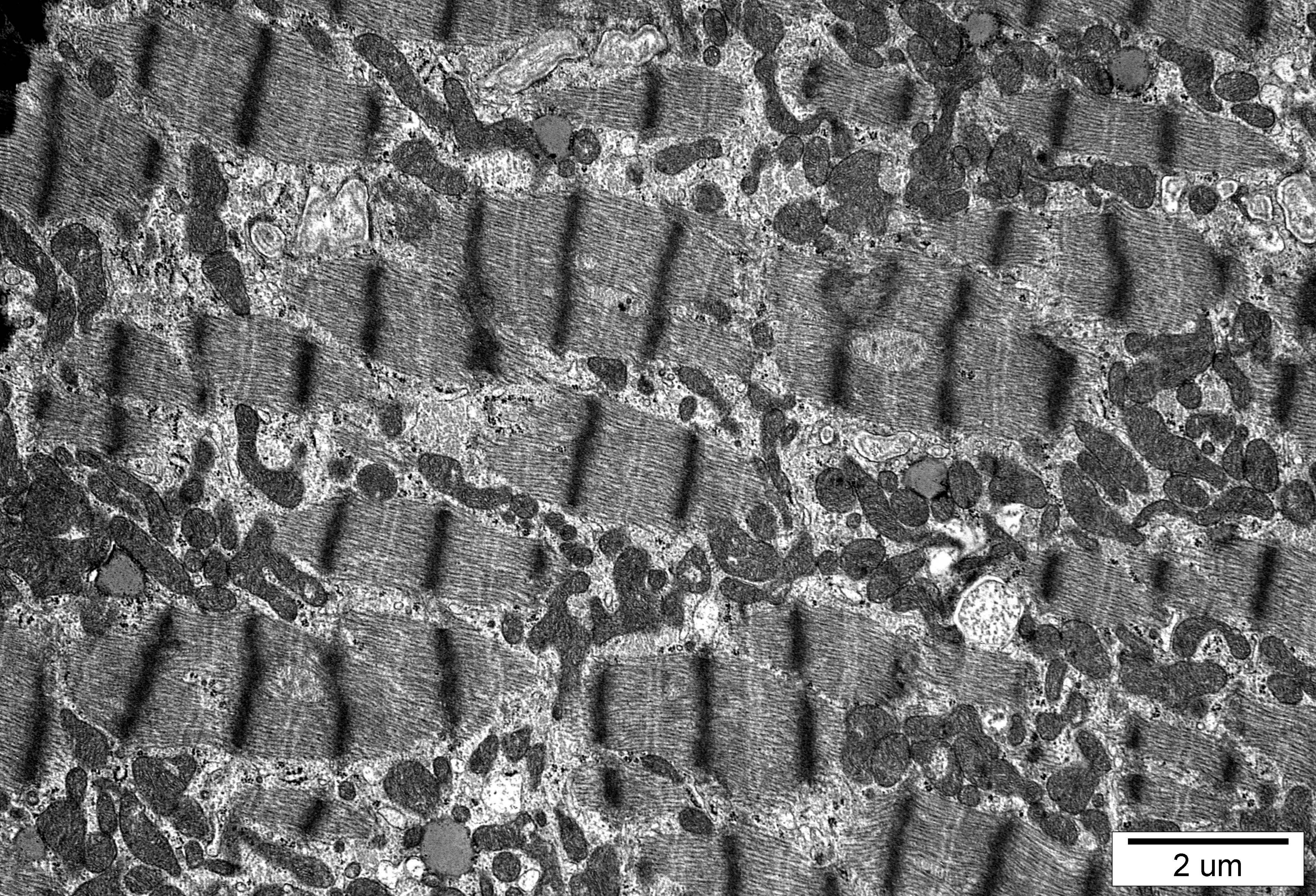
2 um



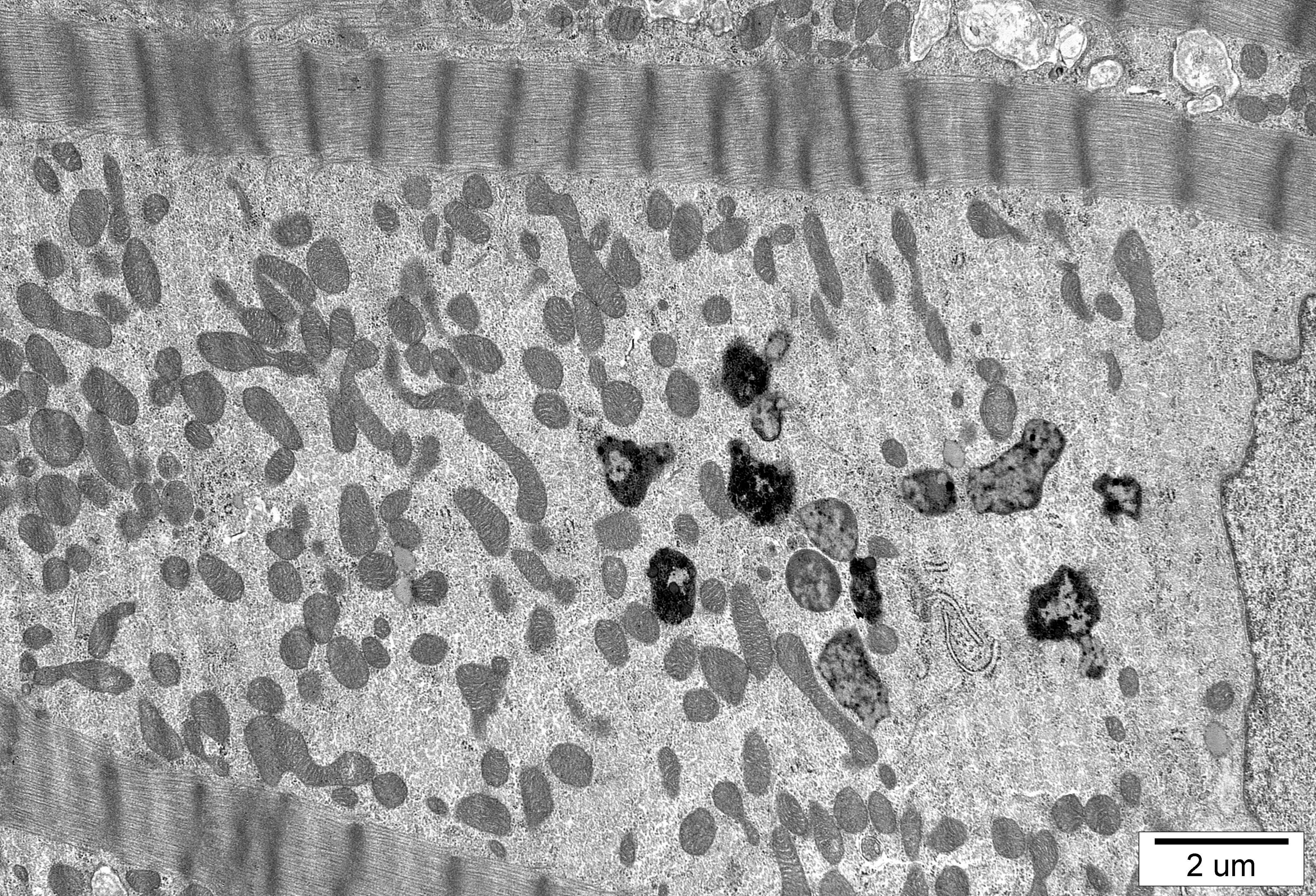
5 um



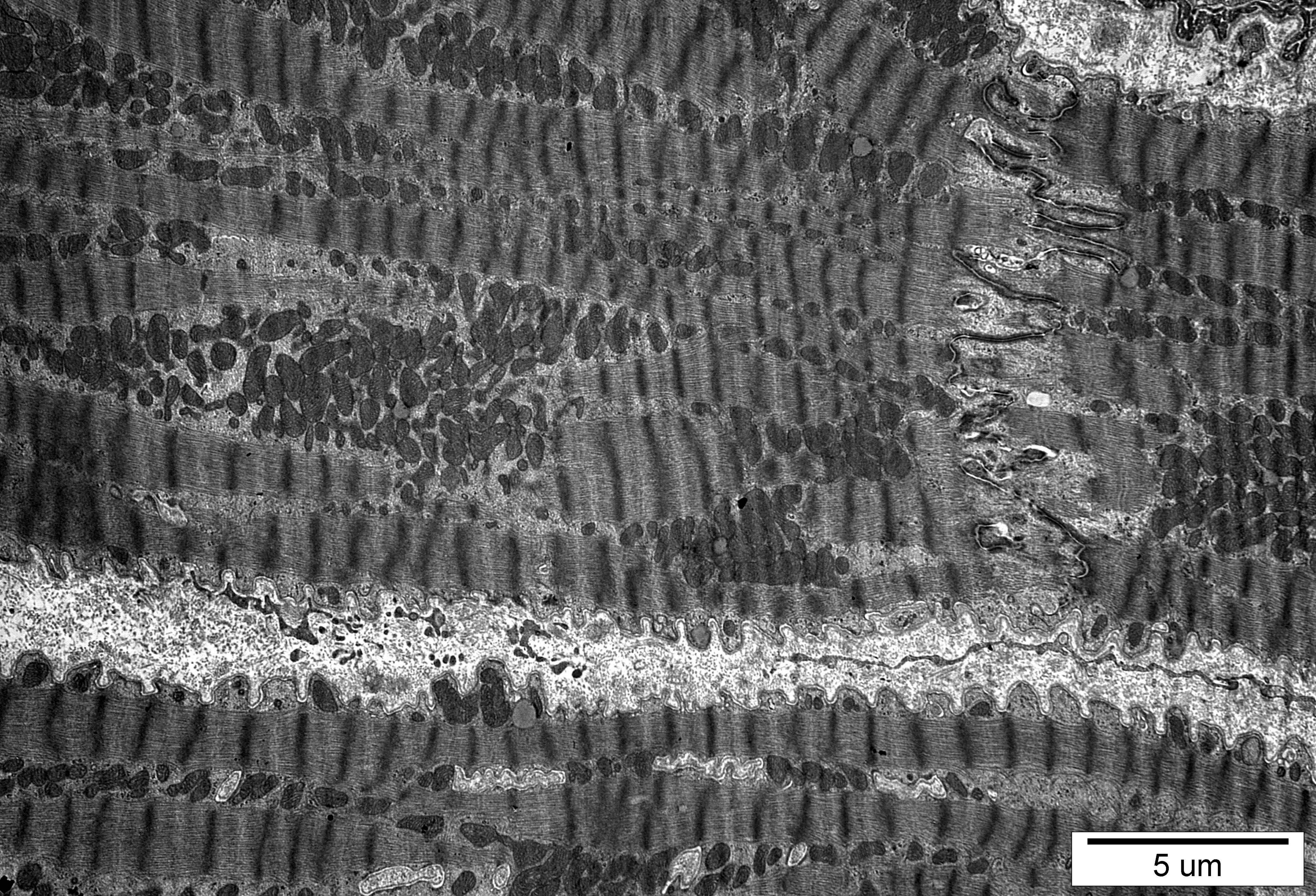
1 um



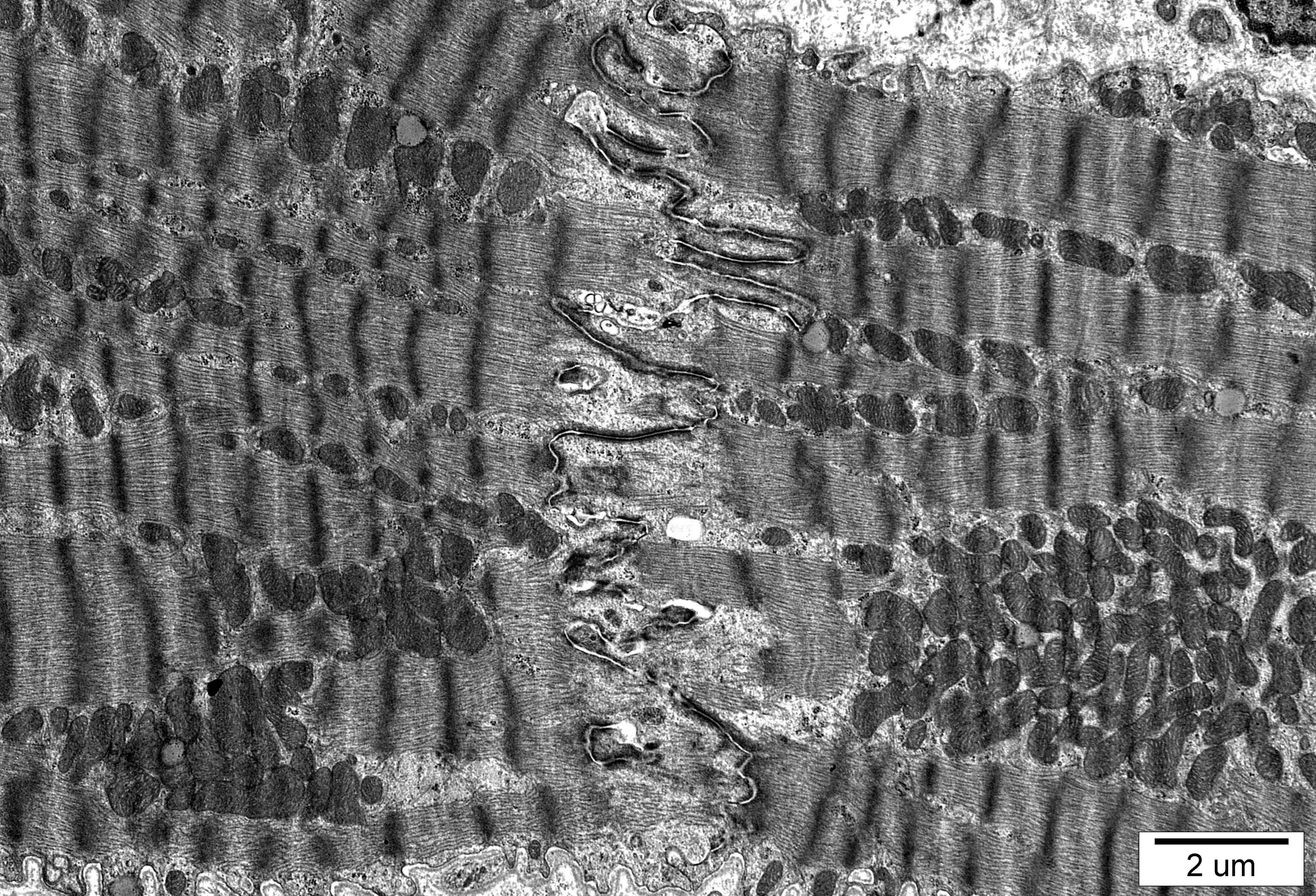
2 um



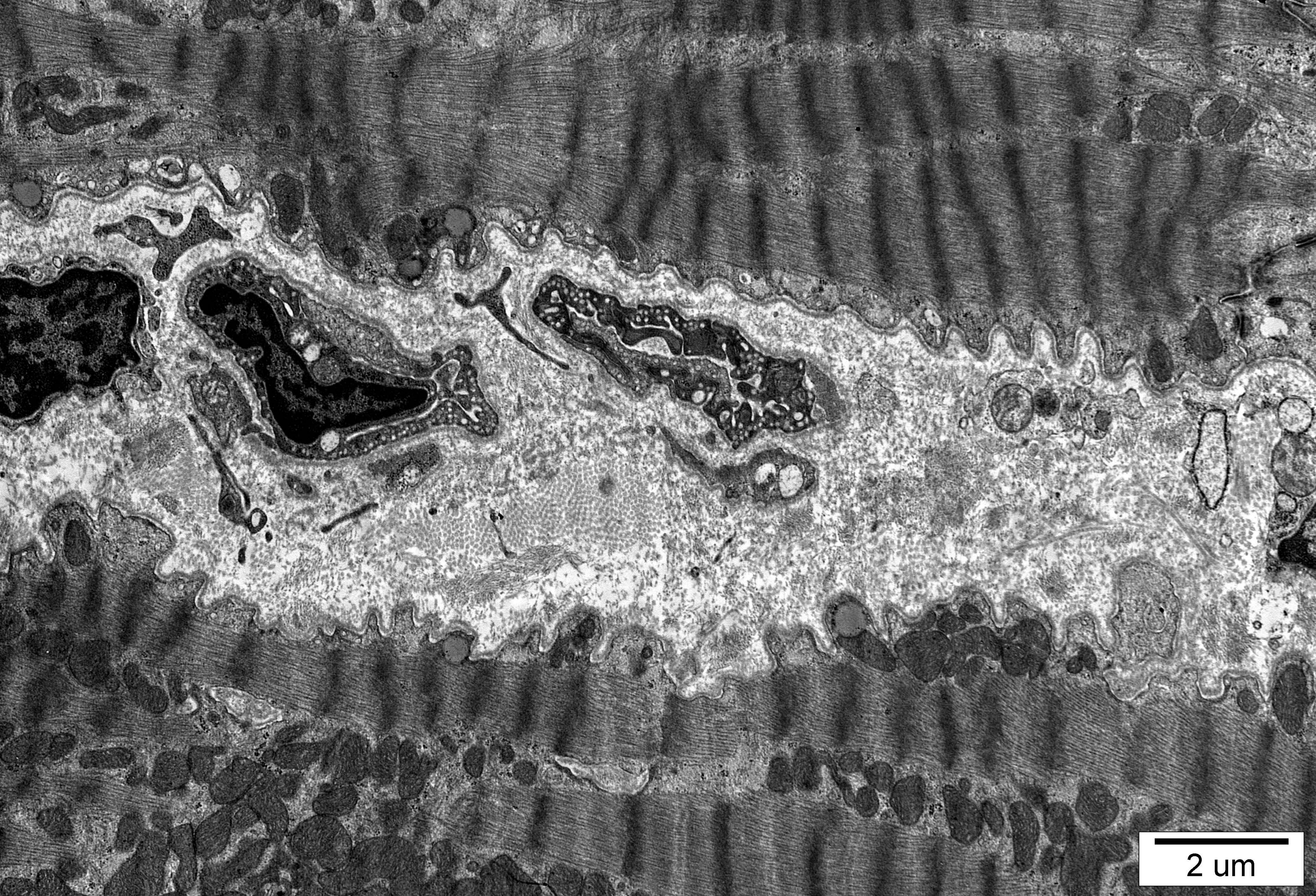
2 um



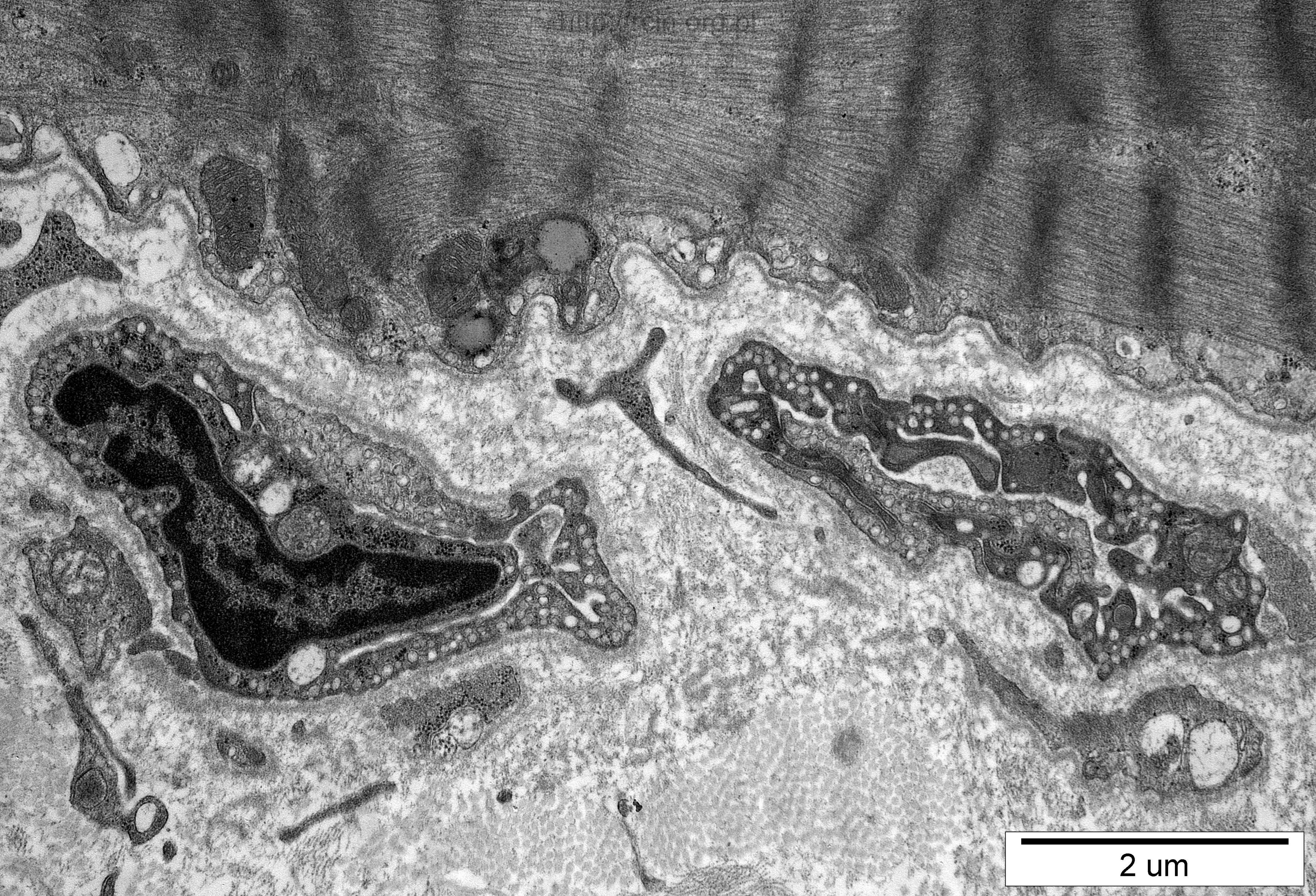
5 um



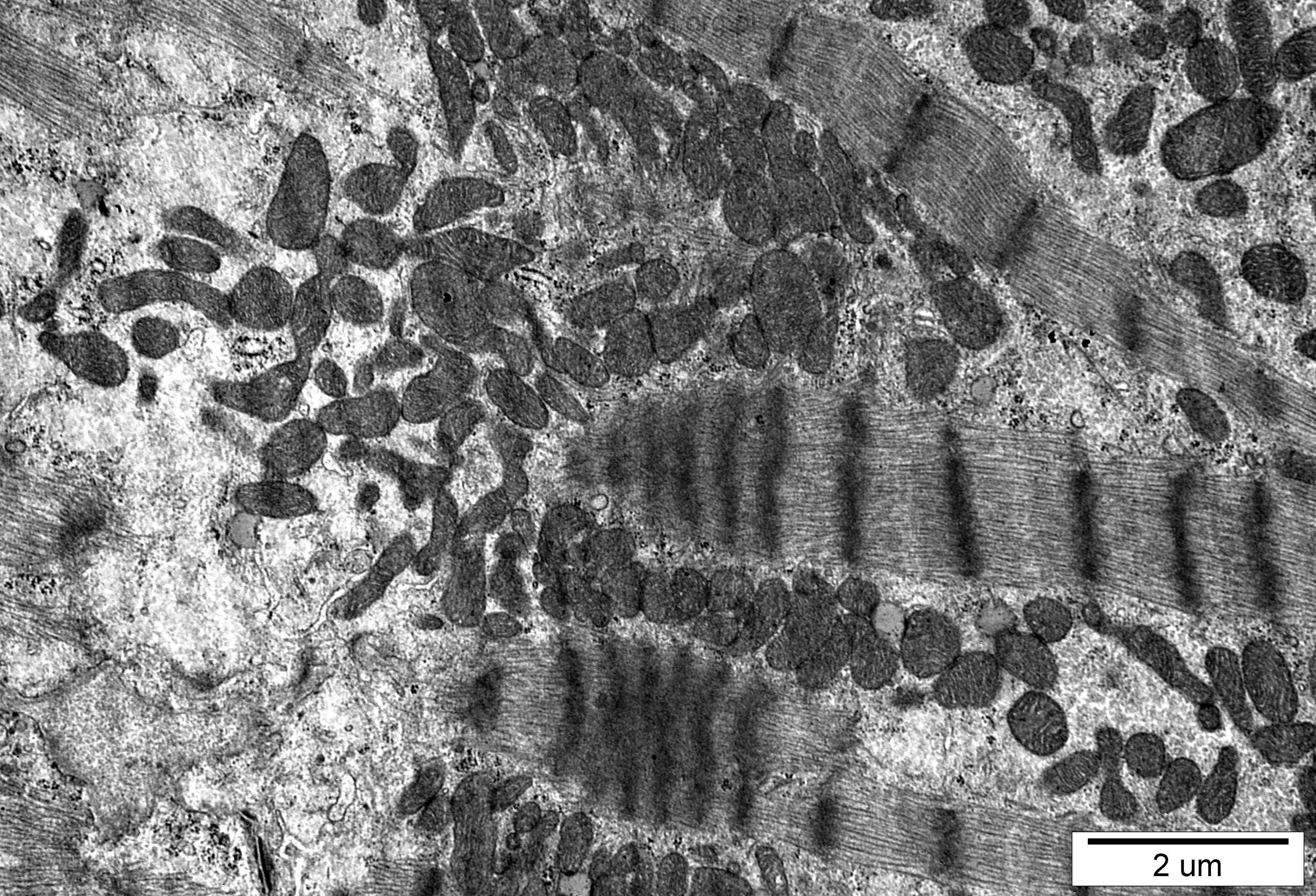
2 um



2 um



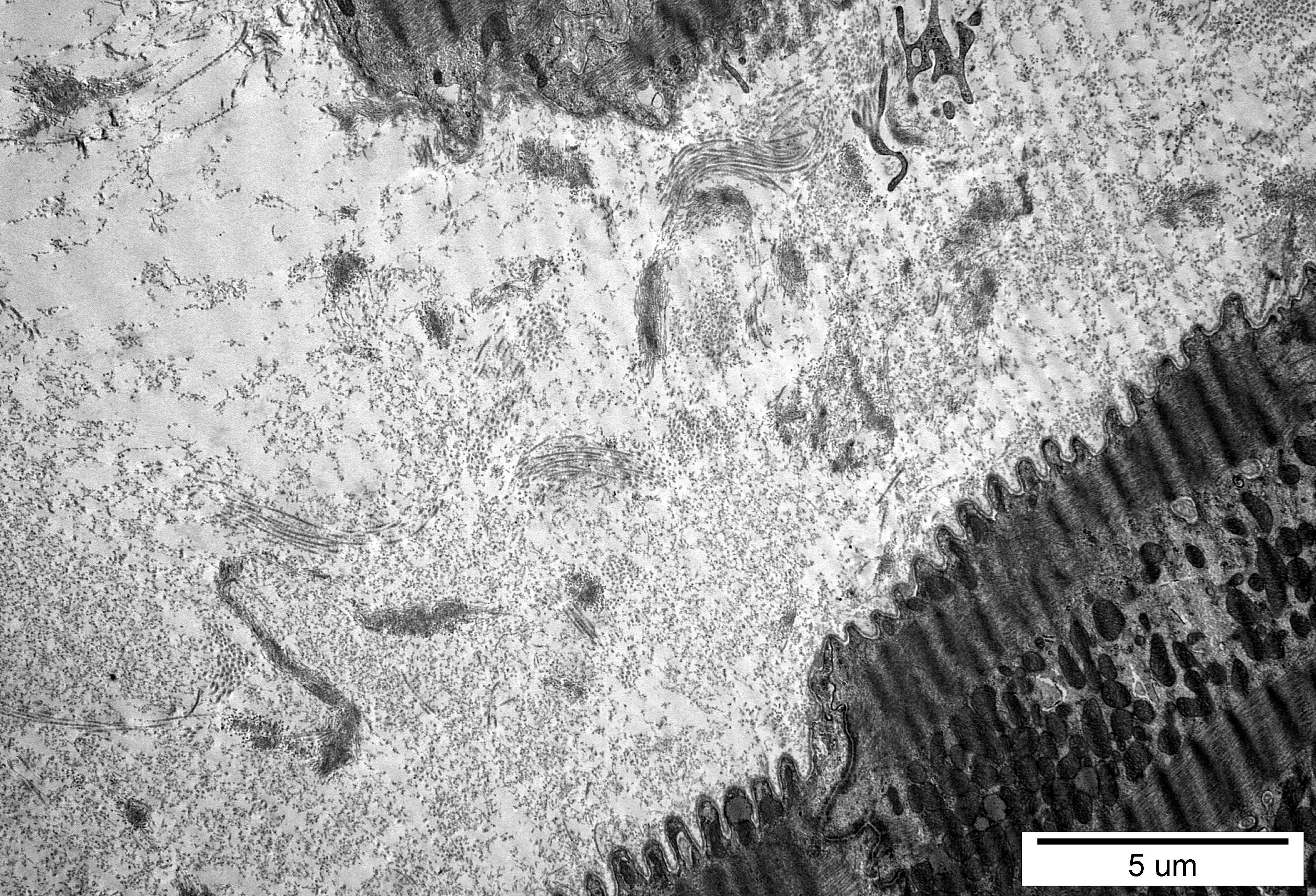
2 μm



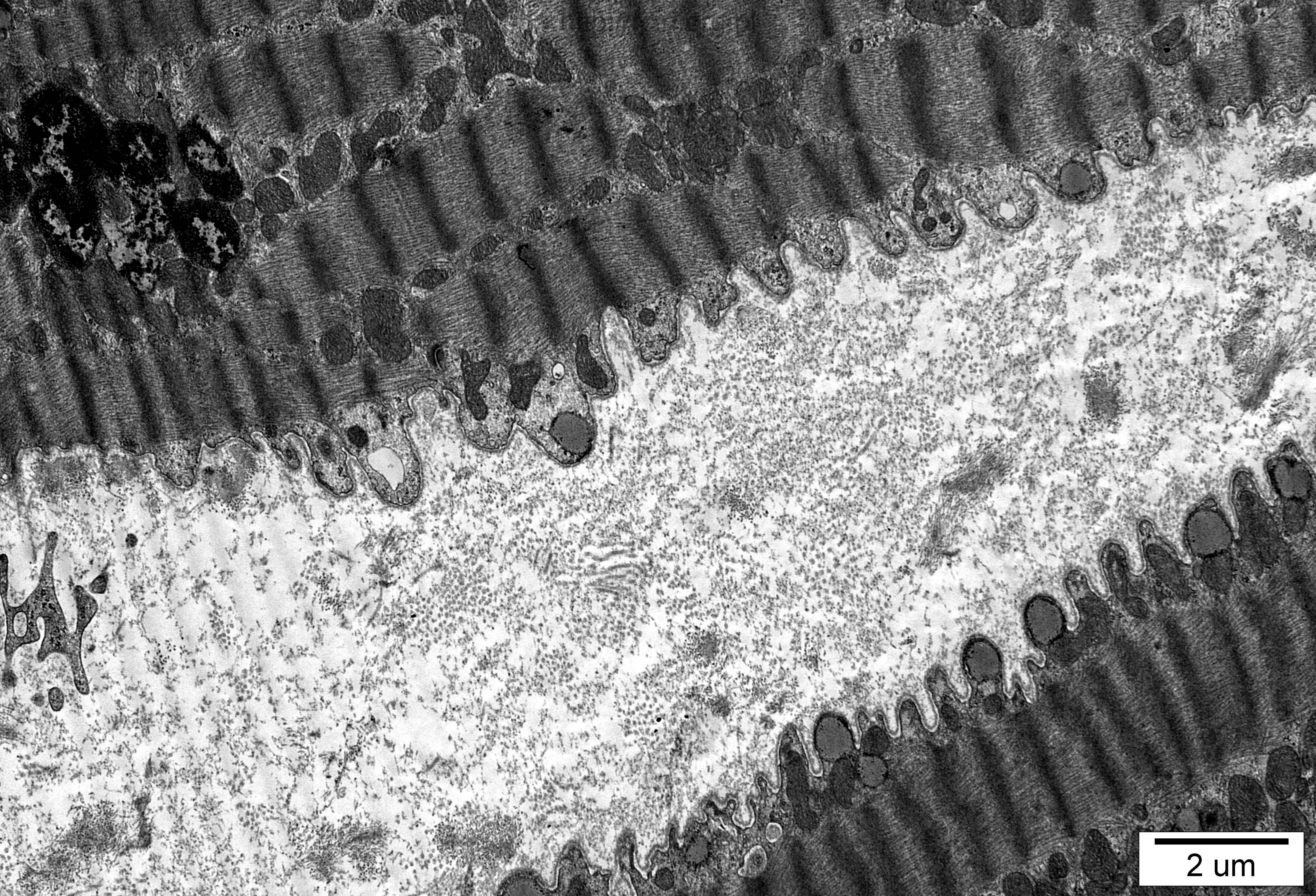
2 um



500 nm



5 μm



2 um

Ocena ultrastrukturalna wykazała zachowaną strukturę sarkomerów oraz miofibryli (Fig. 8s-21, 22), jedynie miejscami widoczne było ich rozproszenie lub zanik (Fig. 8s-4, 5, 12). Jądra komórek mięśnia sercowego były prawidłowe, położone ośrodkowo (Fig. 8s-8, 10), niektóre wykazywały niewielkie wgłobienia w błonie jądrowej (Fig.8s-15). W pobliżu jąder widoczne były bardzo liczne lipofuscyny (Fig. 8s-1, 3, 9, 17, 20). Obserwowano też średnio liczne krople tłuszczu (Fig. 8s-19, 14). Obecne były mitochondria o ciemnej elektronowo macierzy i zachowanych grzebieniach (Fig. 8s-6, 18, 26). W przestrzeni pozakomórkowej występowała bardzo obfita tkanka łączna (Fig. 8s-27, 28) oraz naczynia kapilarne o komórkach śródbłonna zawierających liczne pęcherzyki pinocytarne (Fig.8s-23, 24).

Ultrastructural evaluation revealed preserved sarcomeres and myofibrils structure (Figs. 8s-21,22); only in some areas myofibrils were scattered or their atrophy was seen (Figs. 8s-4,5,12). The cardiomyocytes nuclei were unaltered, centrally located (Fig. 8s-8,10), some of them showed small indentations in the nuclear membrane (Fig.8s-15). Very abundant lipofuscin deposits were seen in the vicinity of the nuclei (Figs.8s-1,3,9,17,20) and moderately numerous fat droplets were observed (Figs.8s-19,14). Mitochondria characterised by electron-dark matrix and preserved cristae structure were present (Figs. 8s-6,18,26). Very abundant connective tissue (Figs. 8s-27,28) and capillary vessels with endothelial cells containing numerous pinocytic vesicles (Fig.8s-23,24) were visible in the extracellular space.