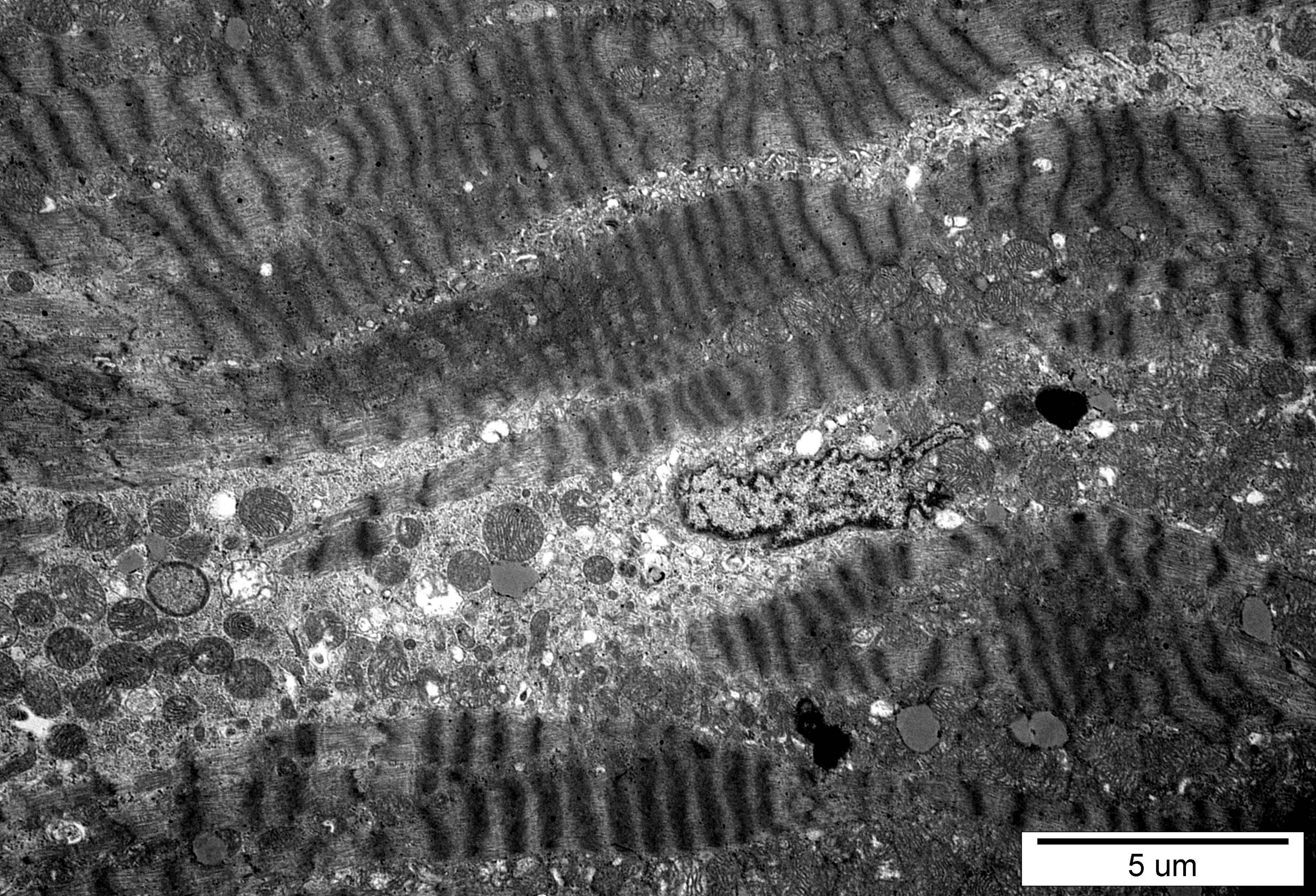


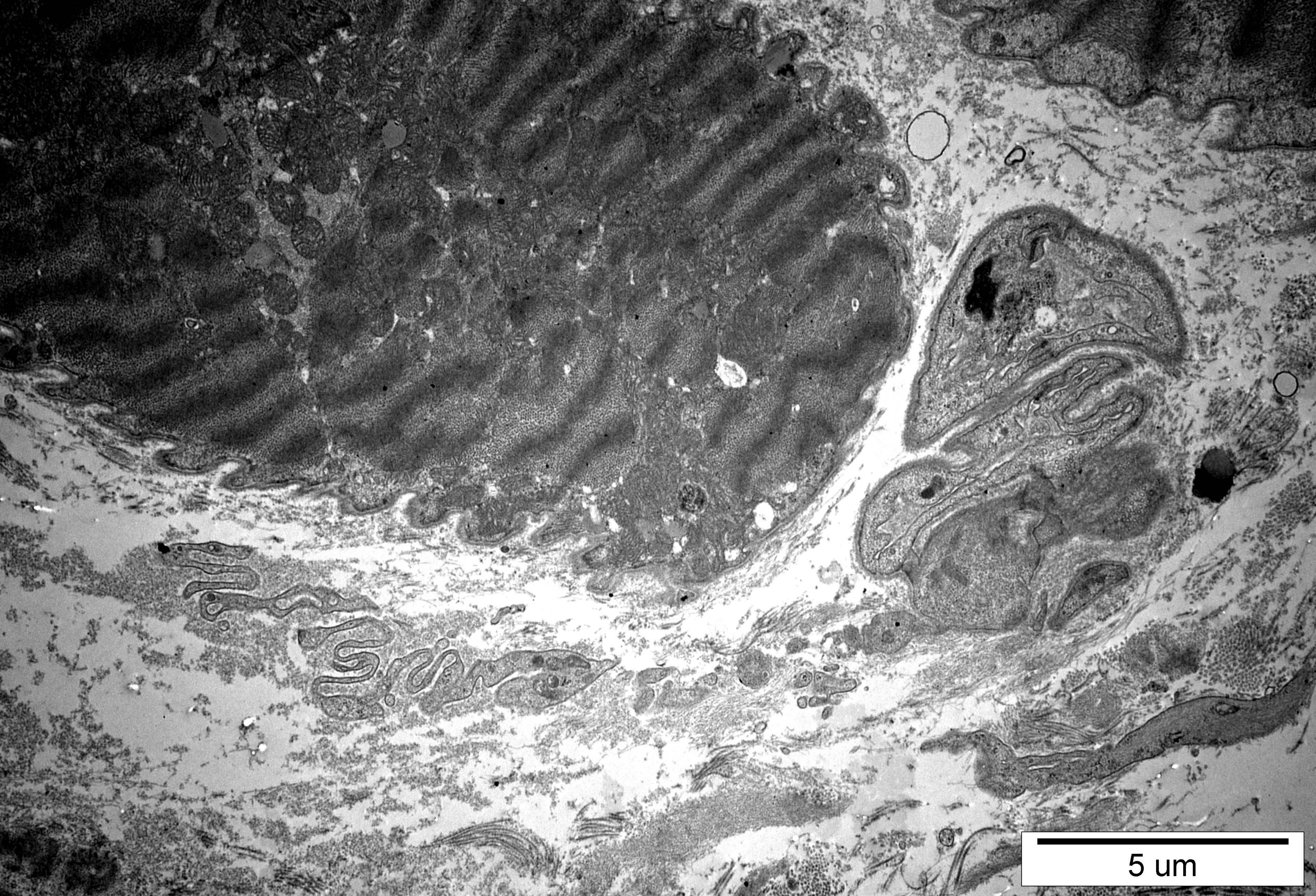
5  $\mu$ m





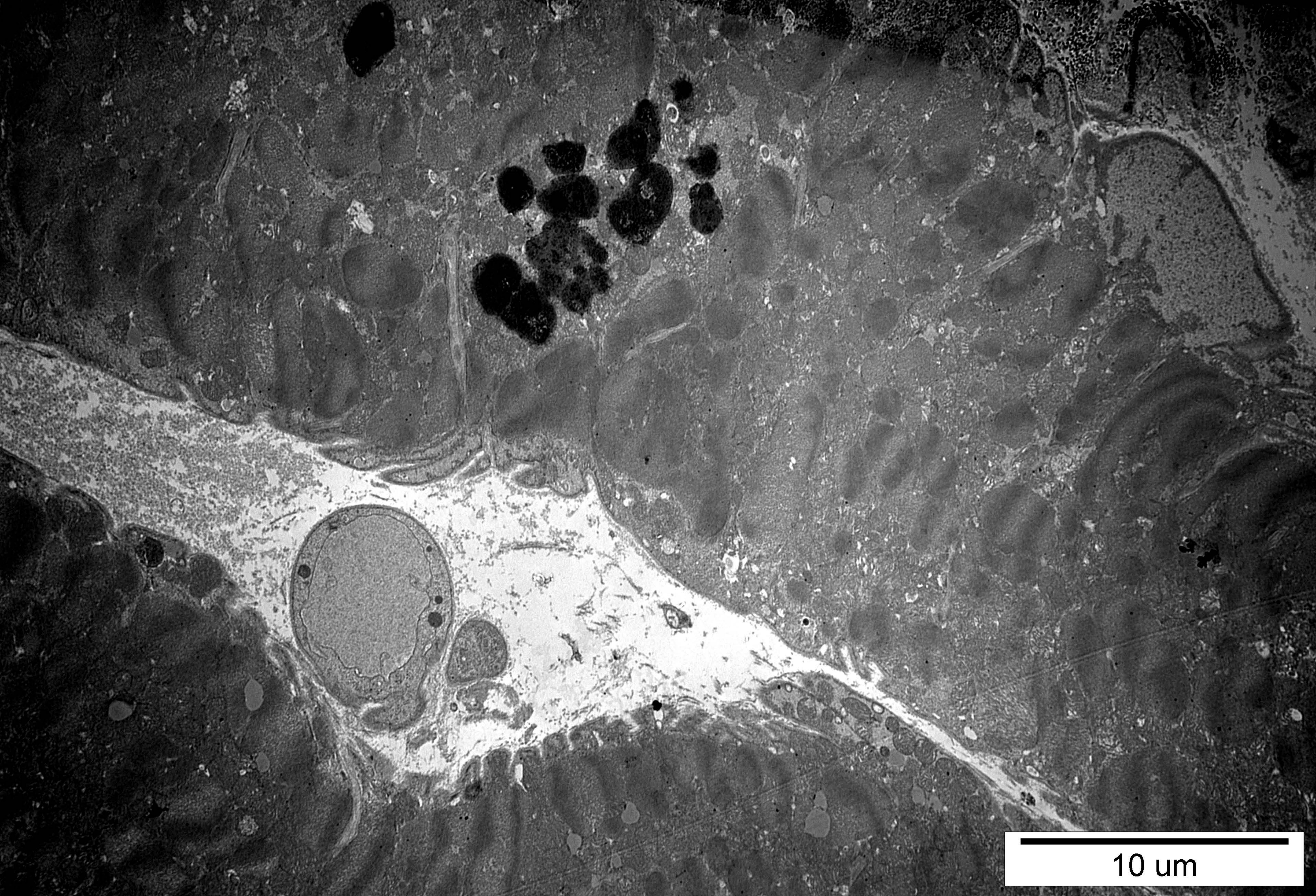
5 μm





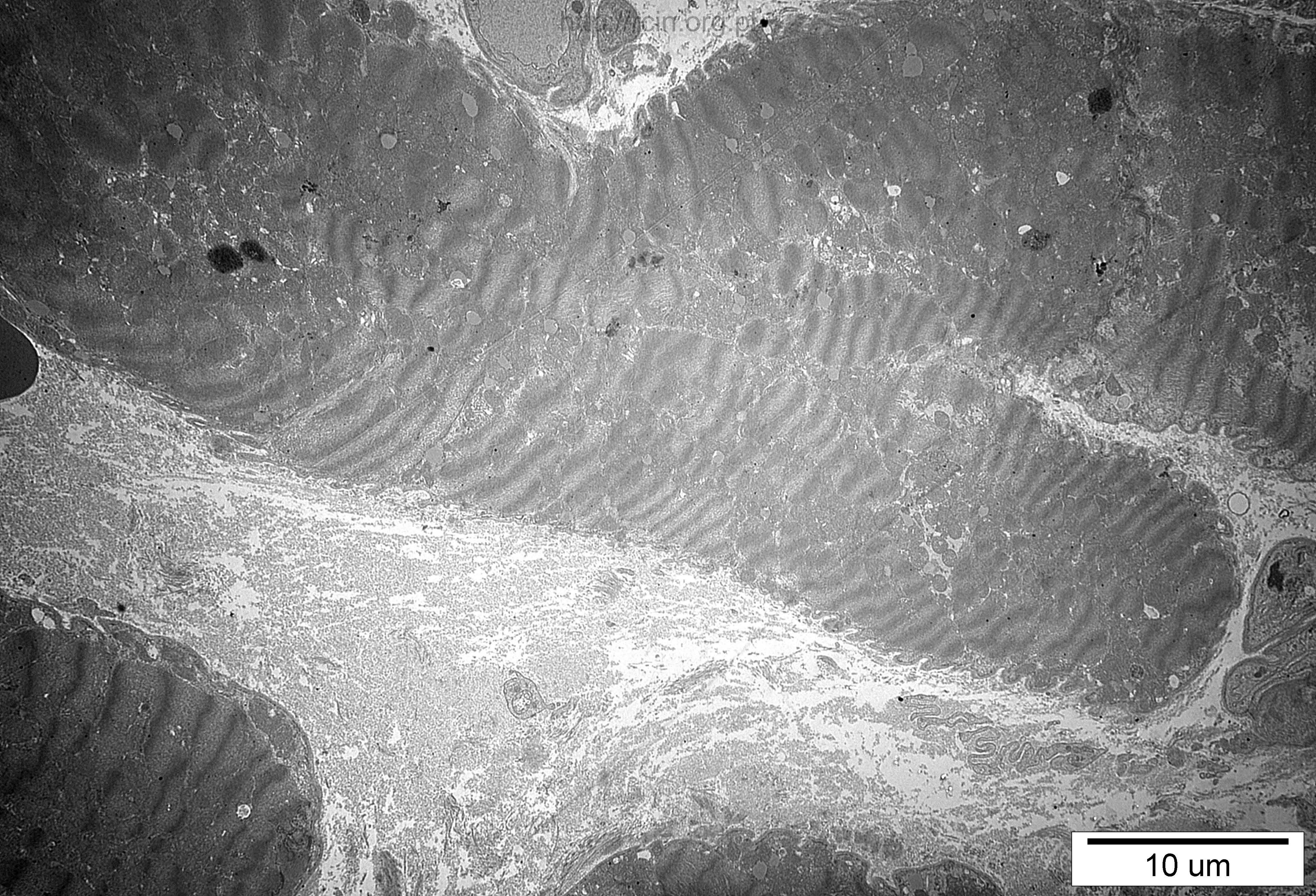
5  $\mu$ m





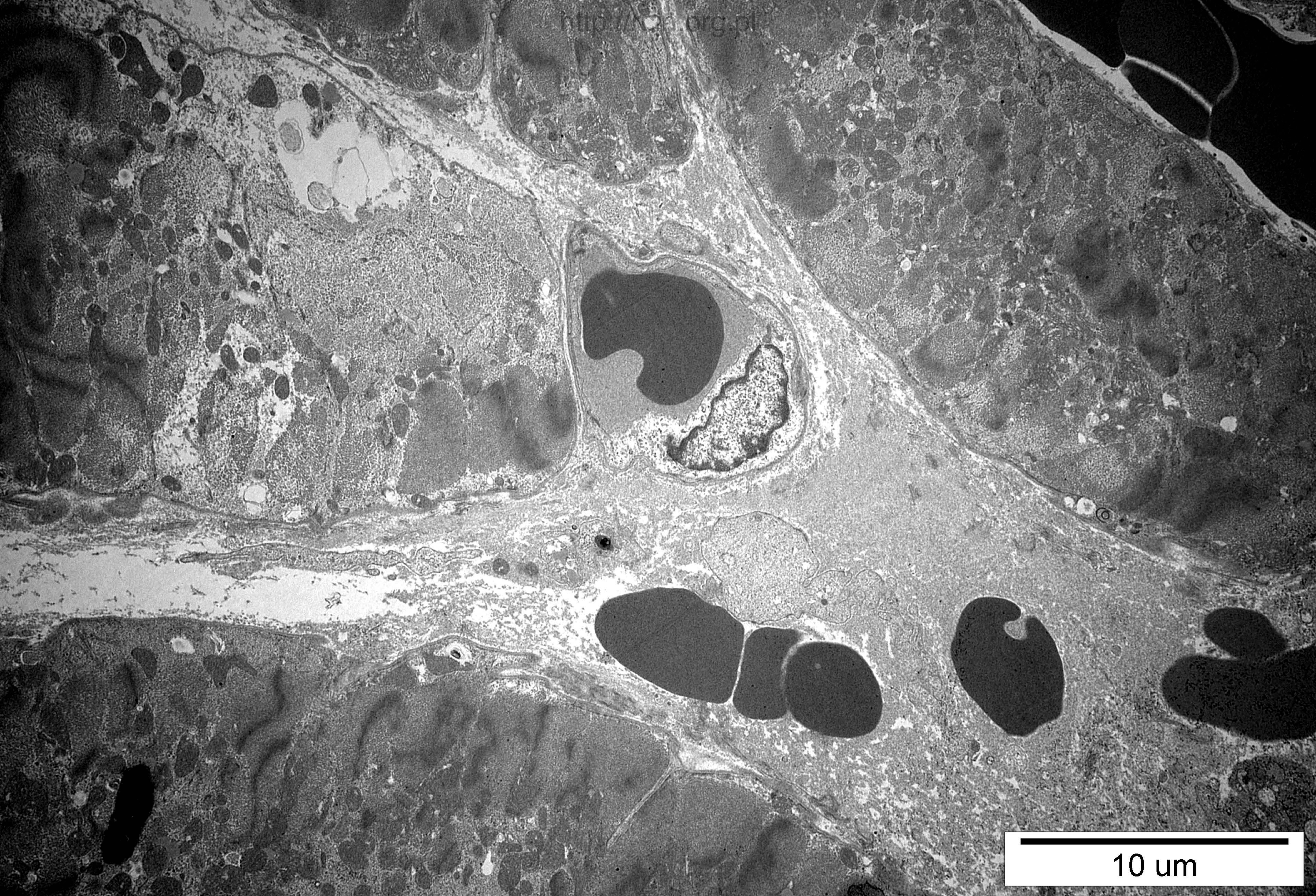
10 um





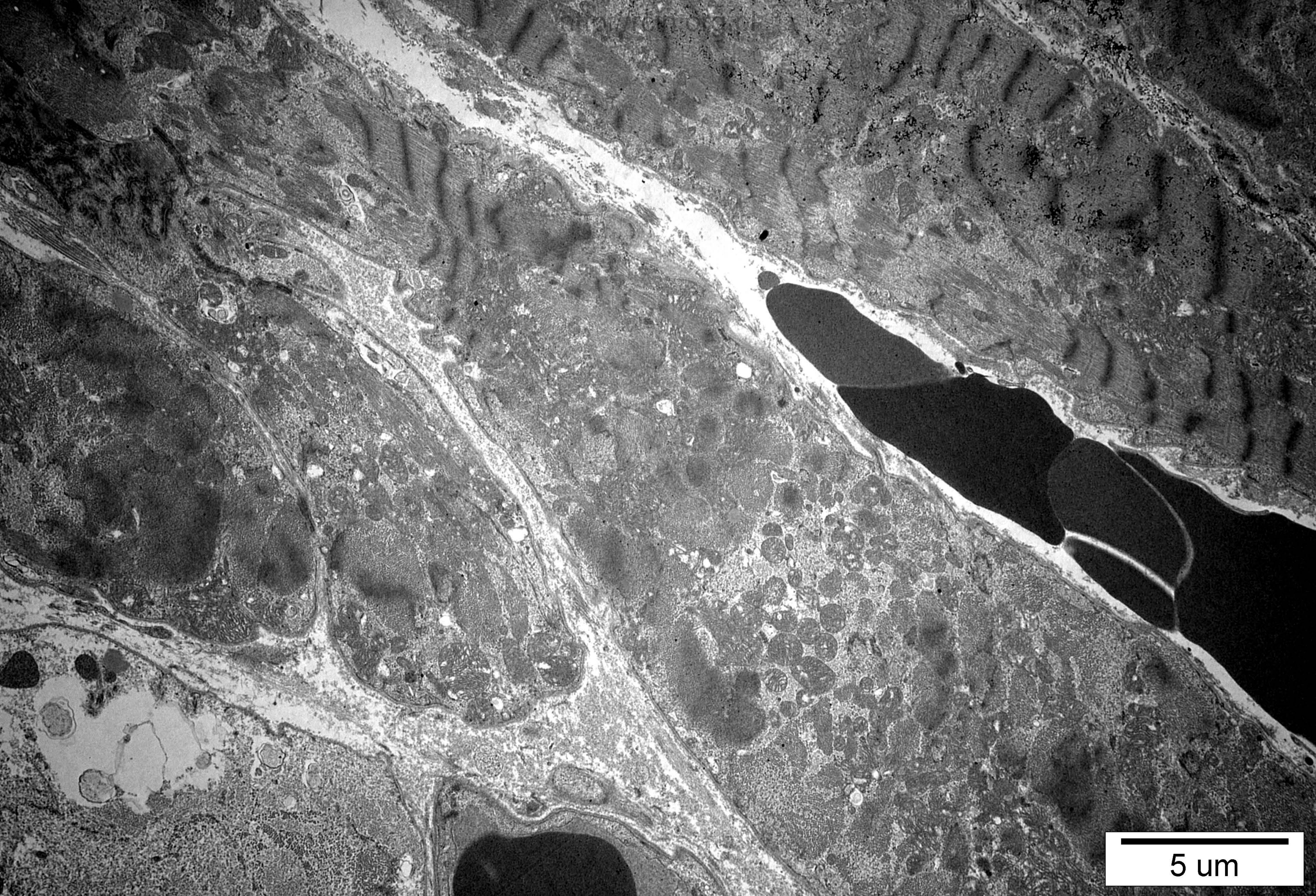
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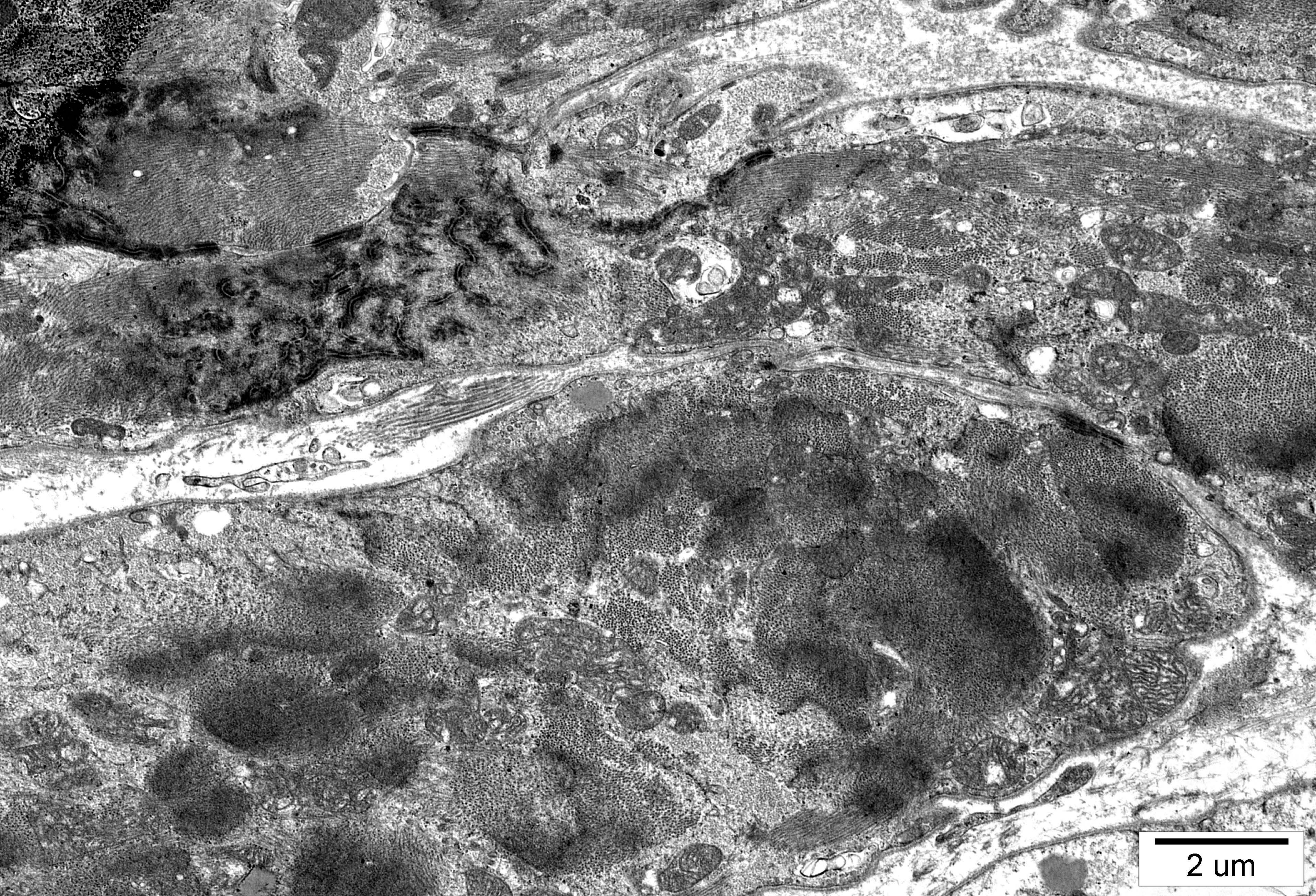


10 um



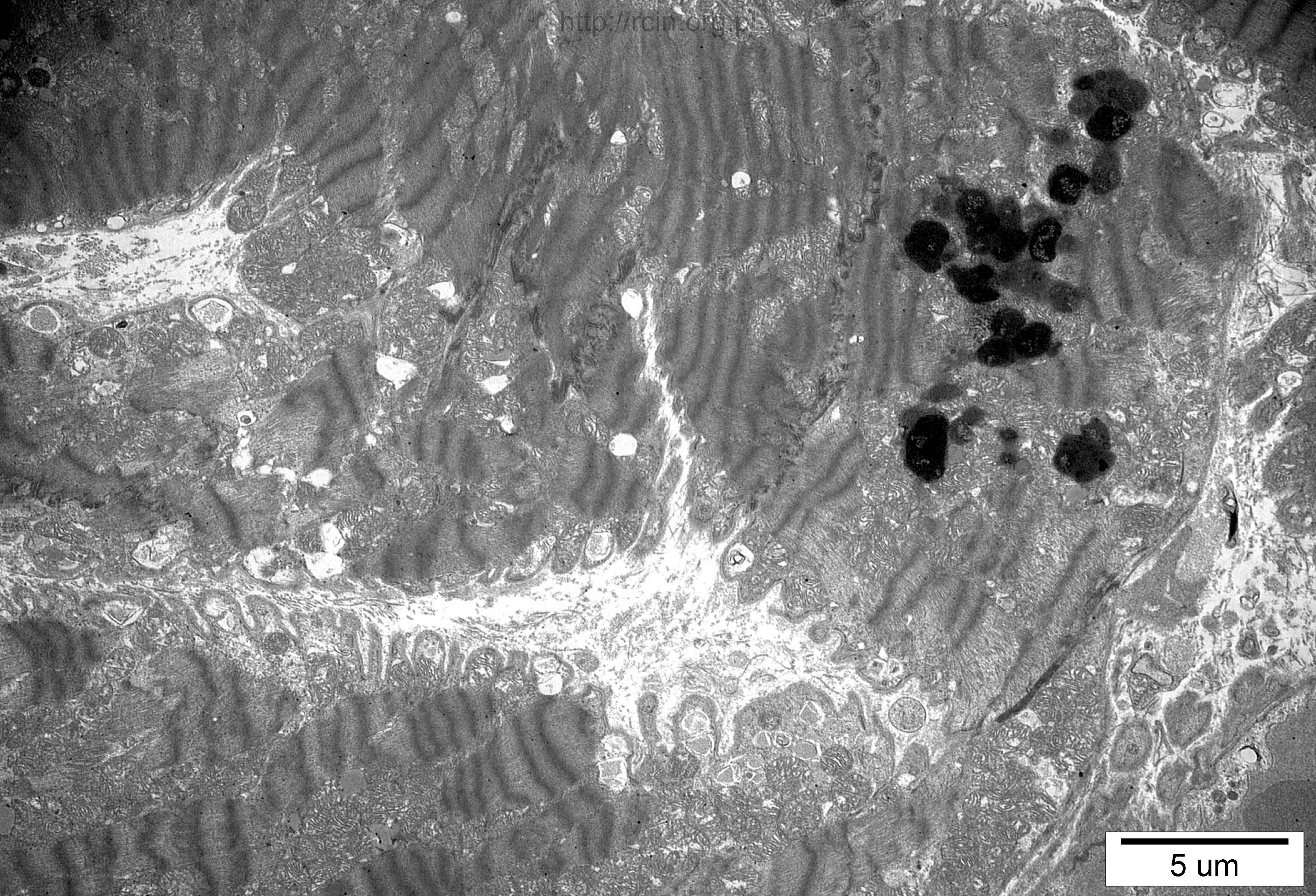






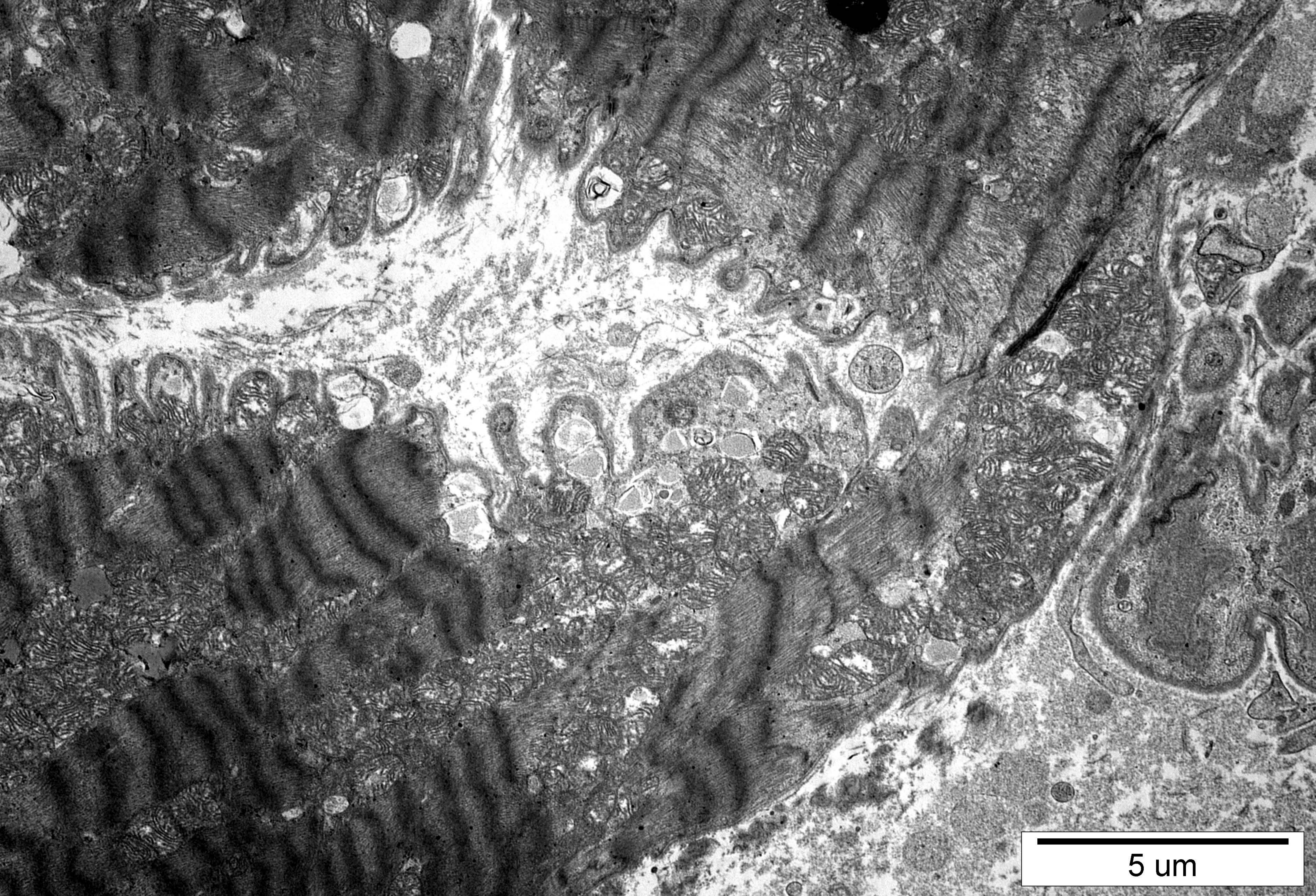
2 μm





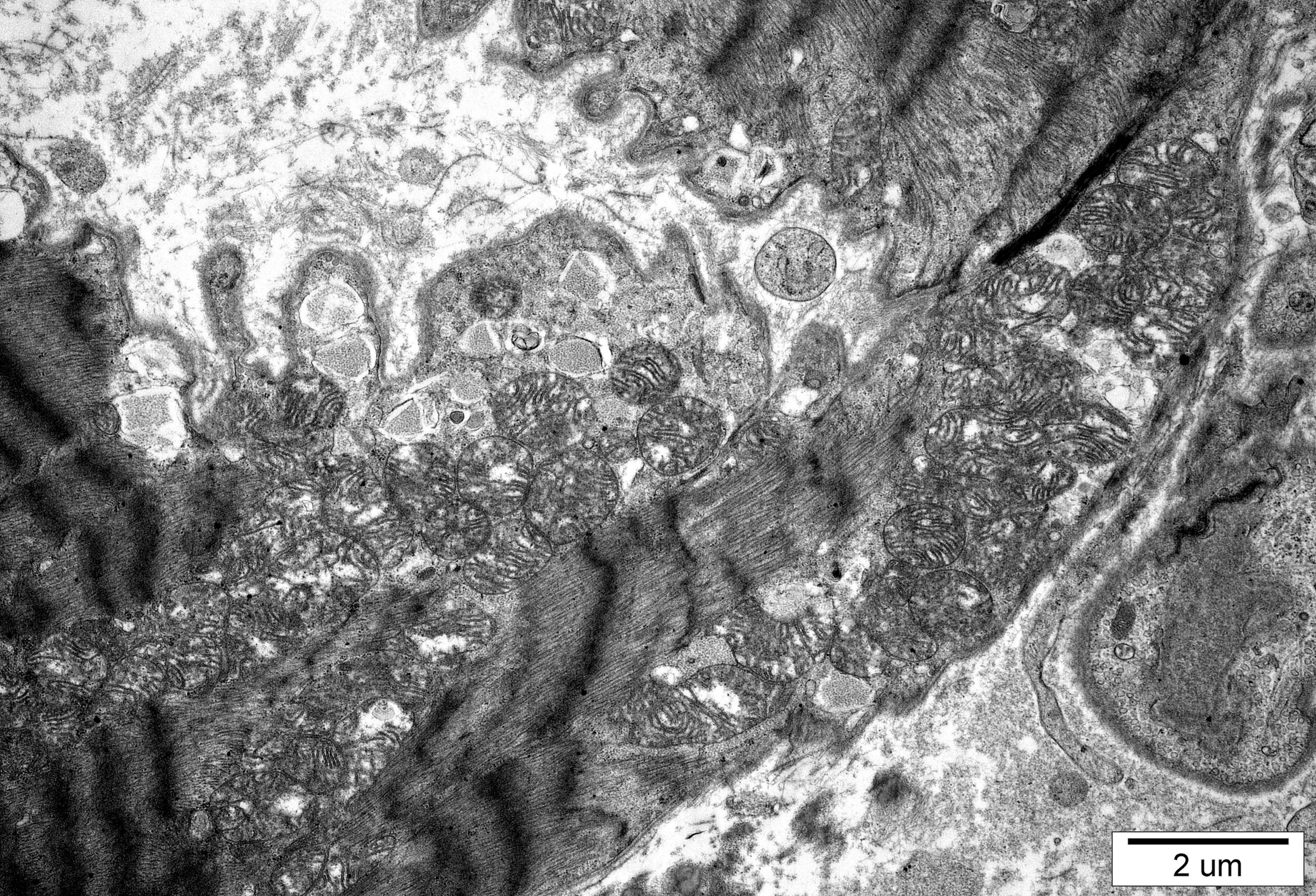
5 um





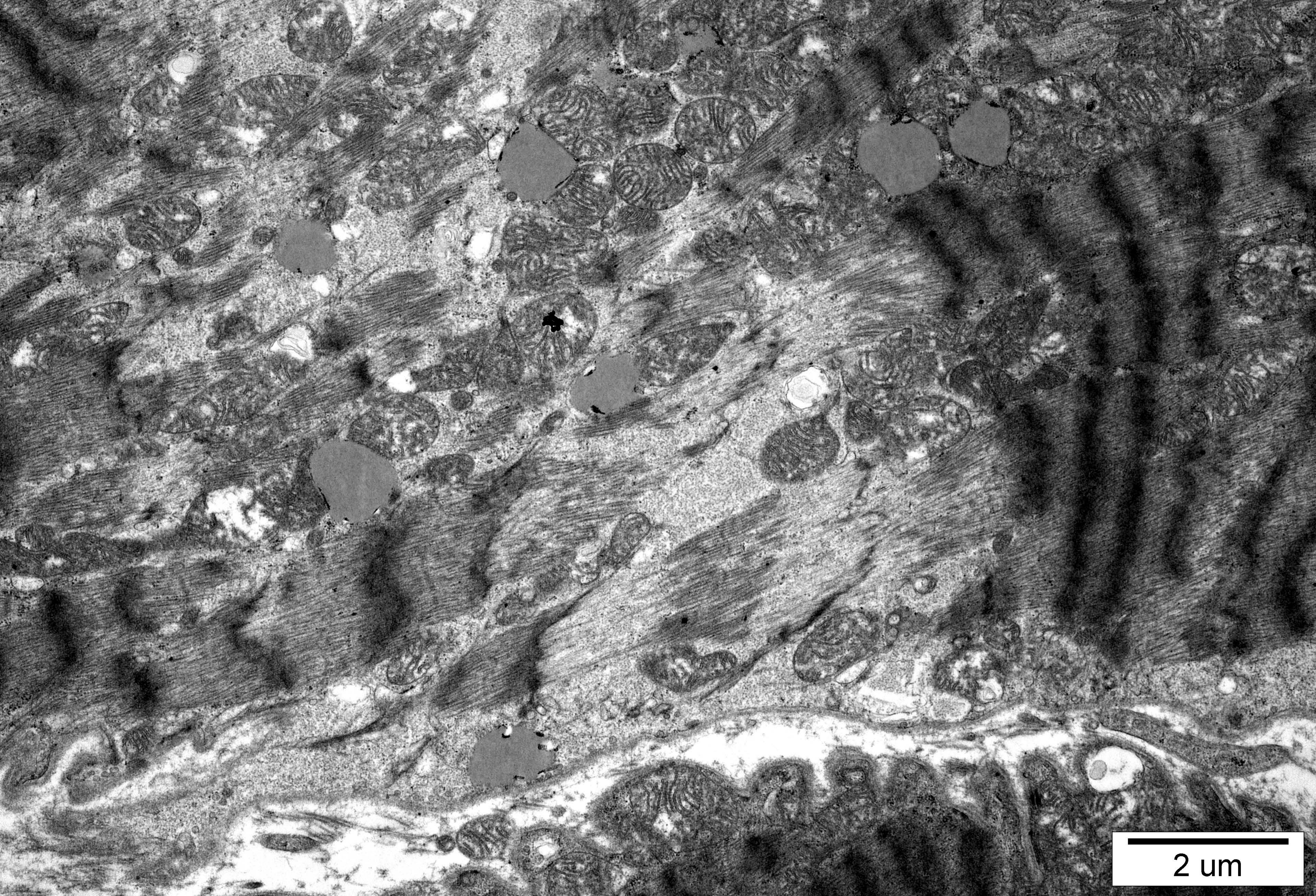
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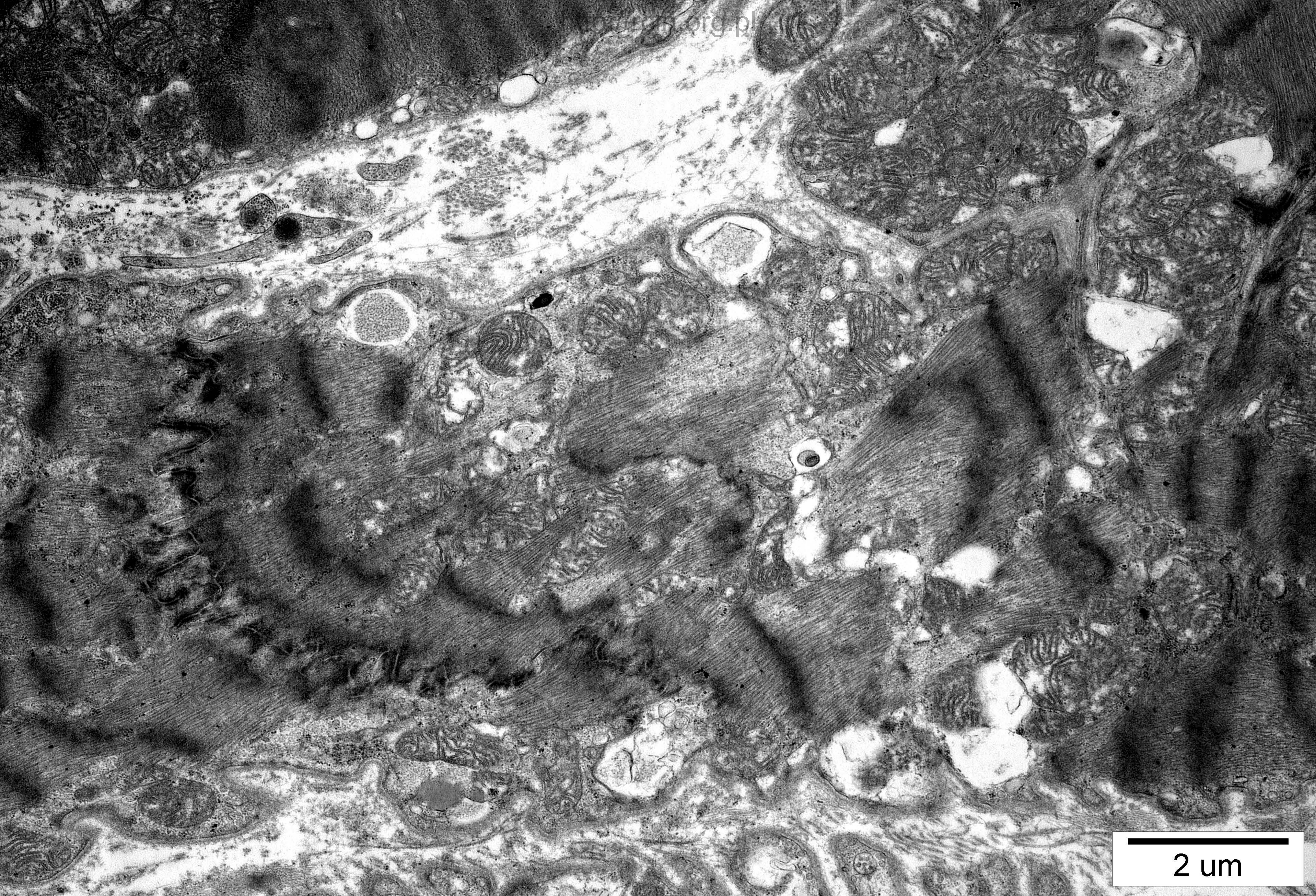
2 um





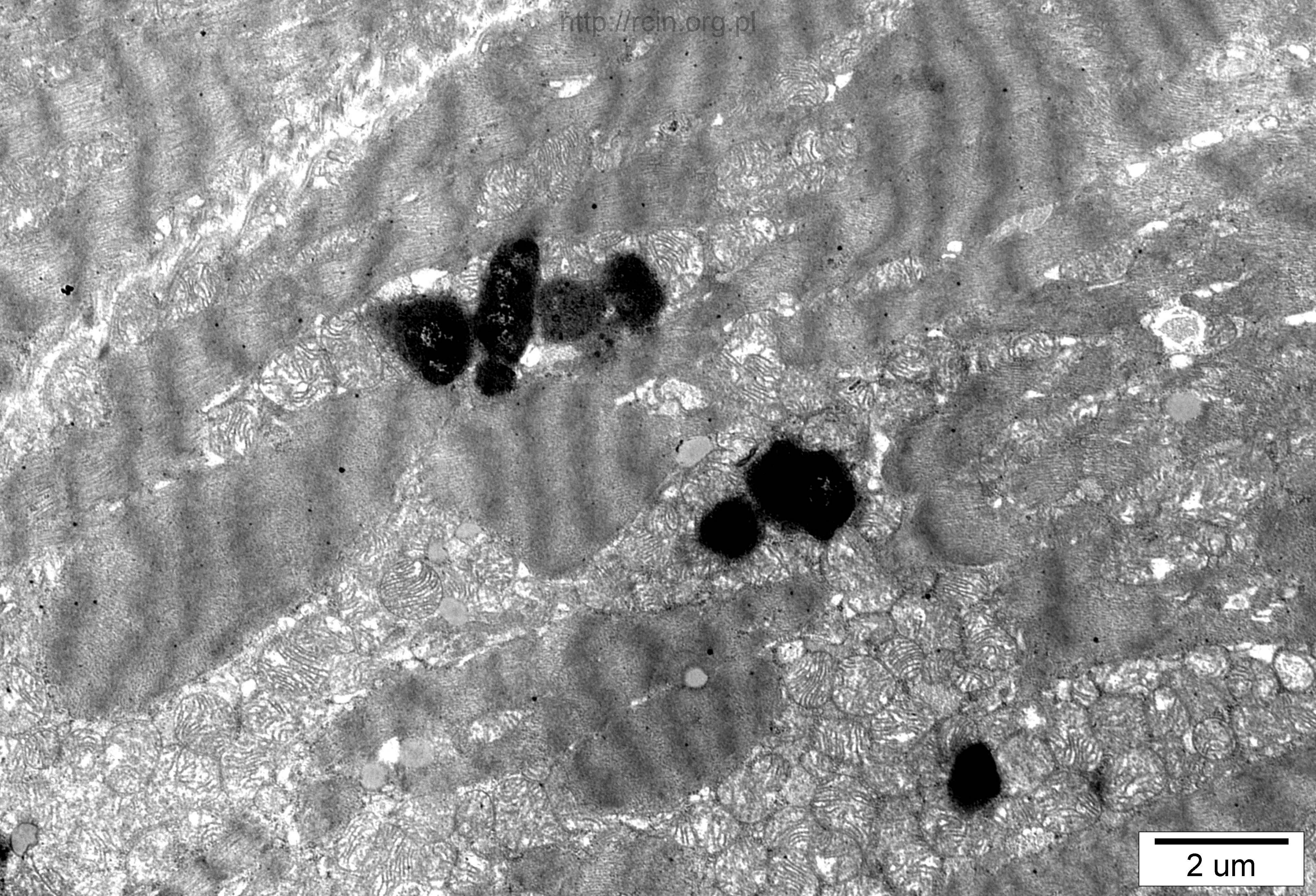
2 um





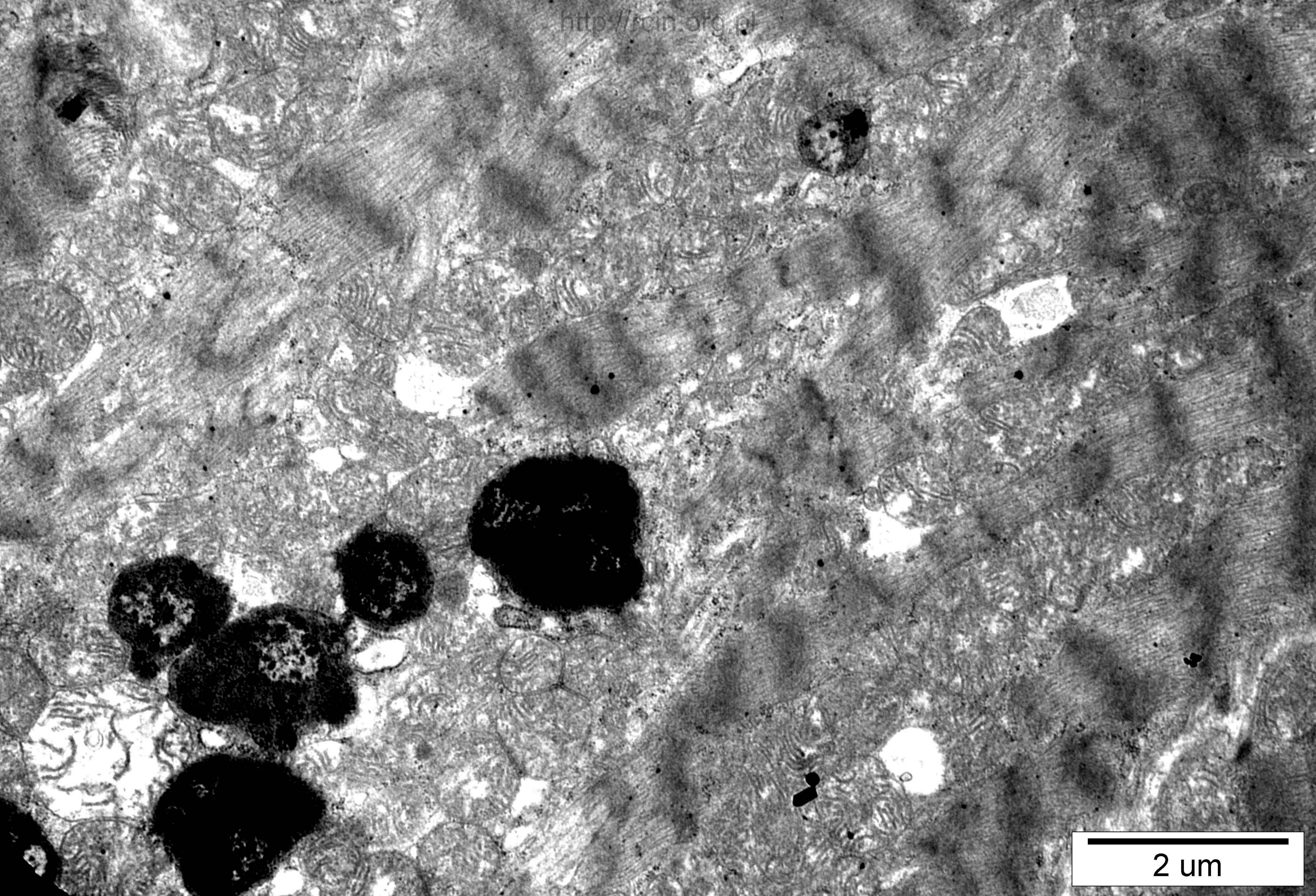
2 um





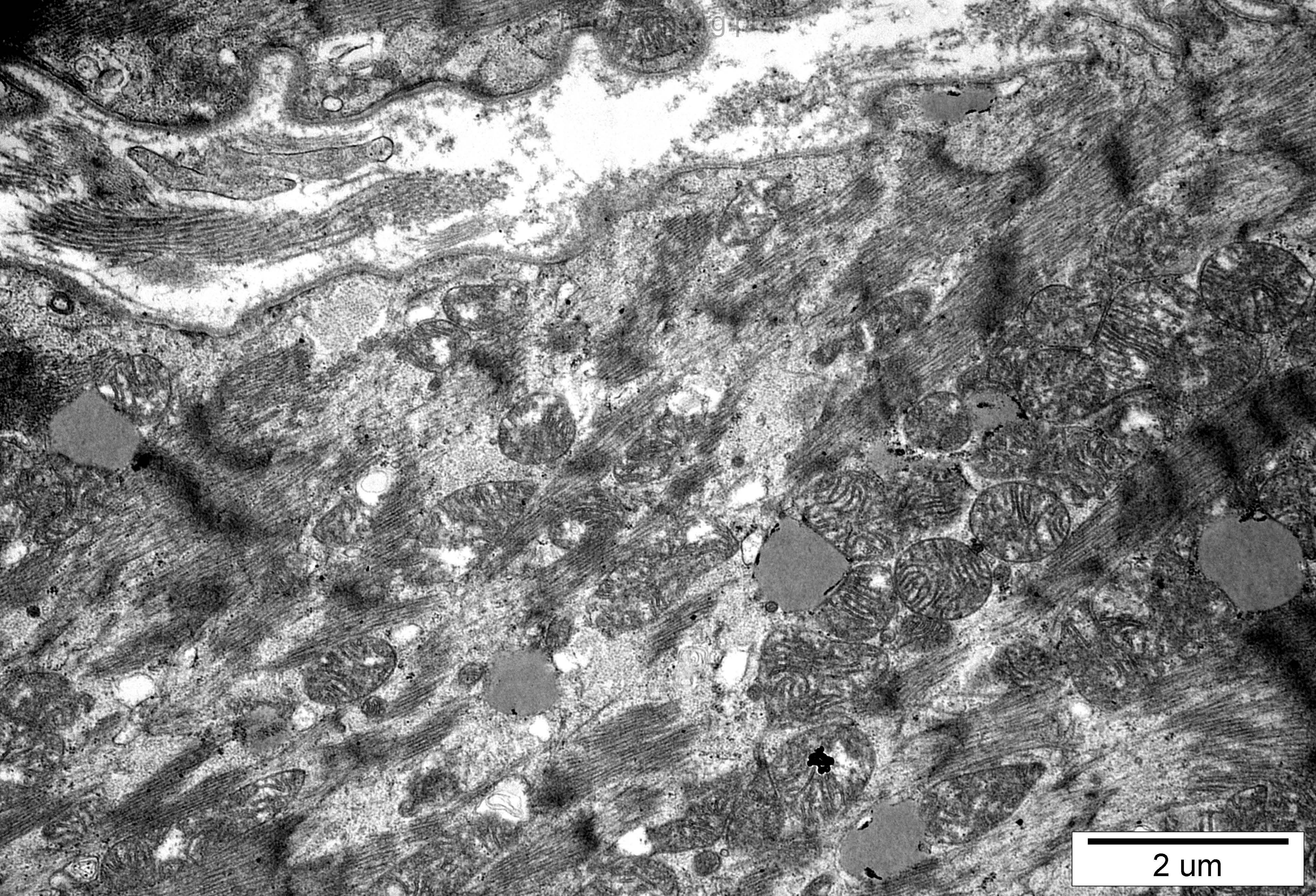
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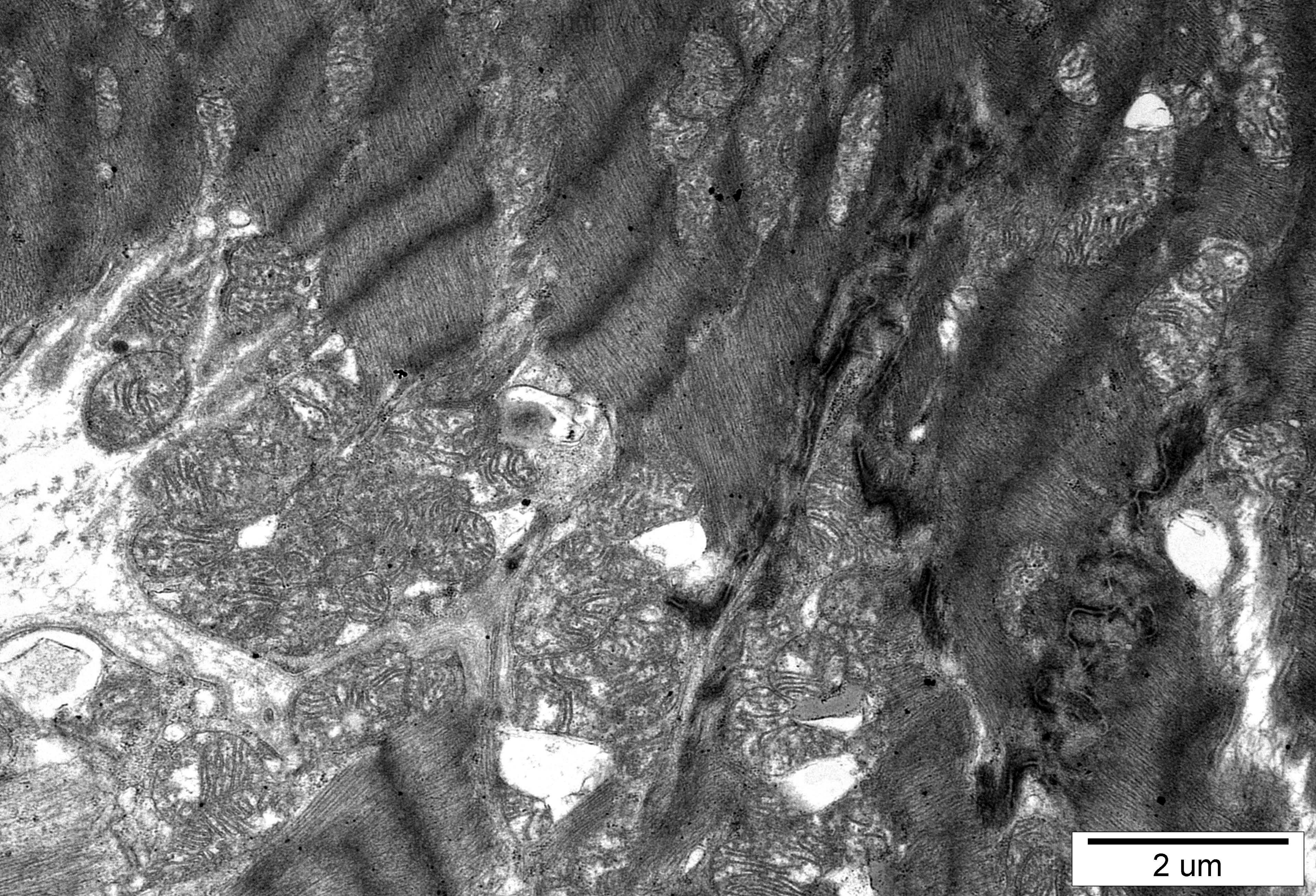
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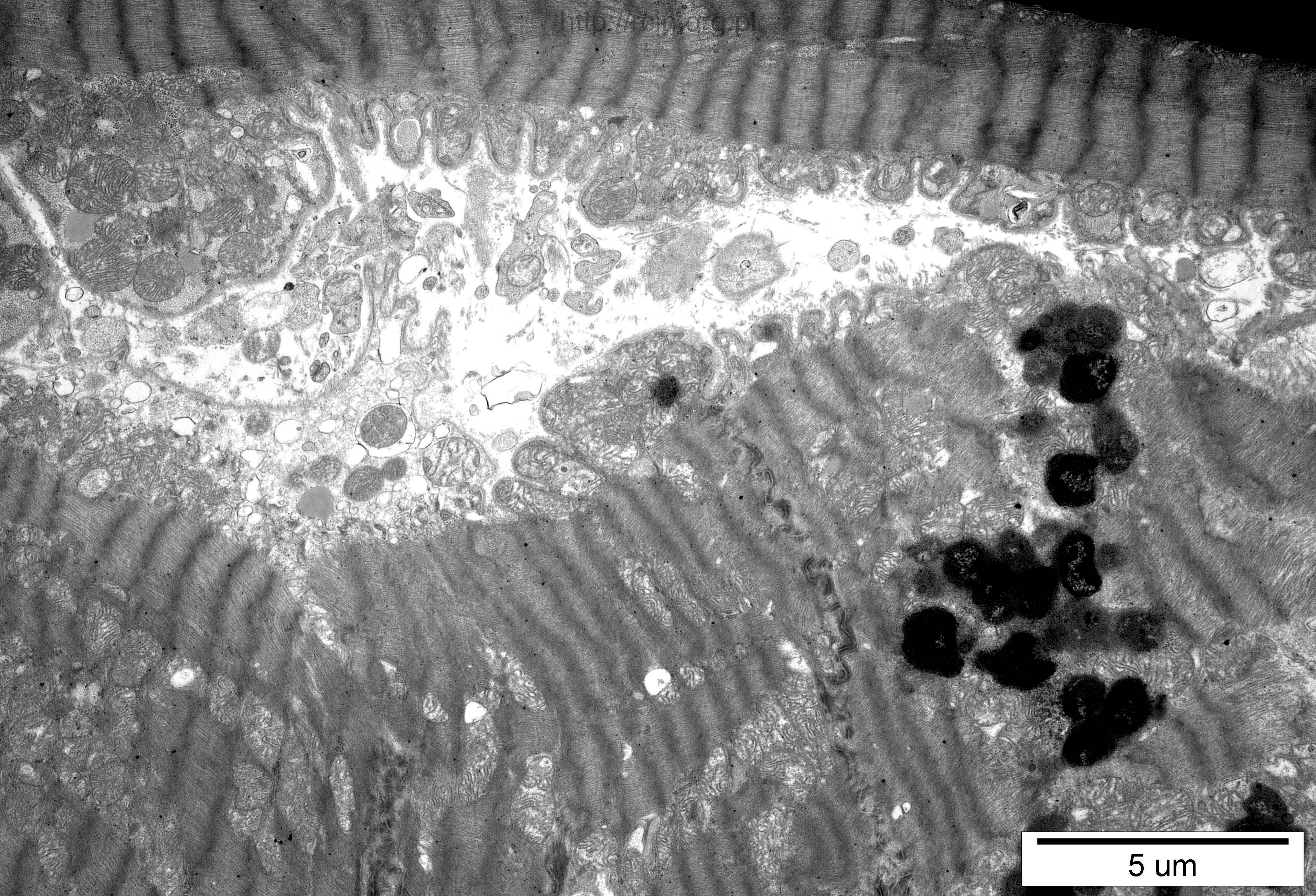
2 um





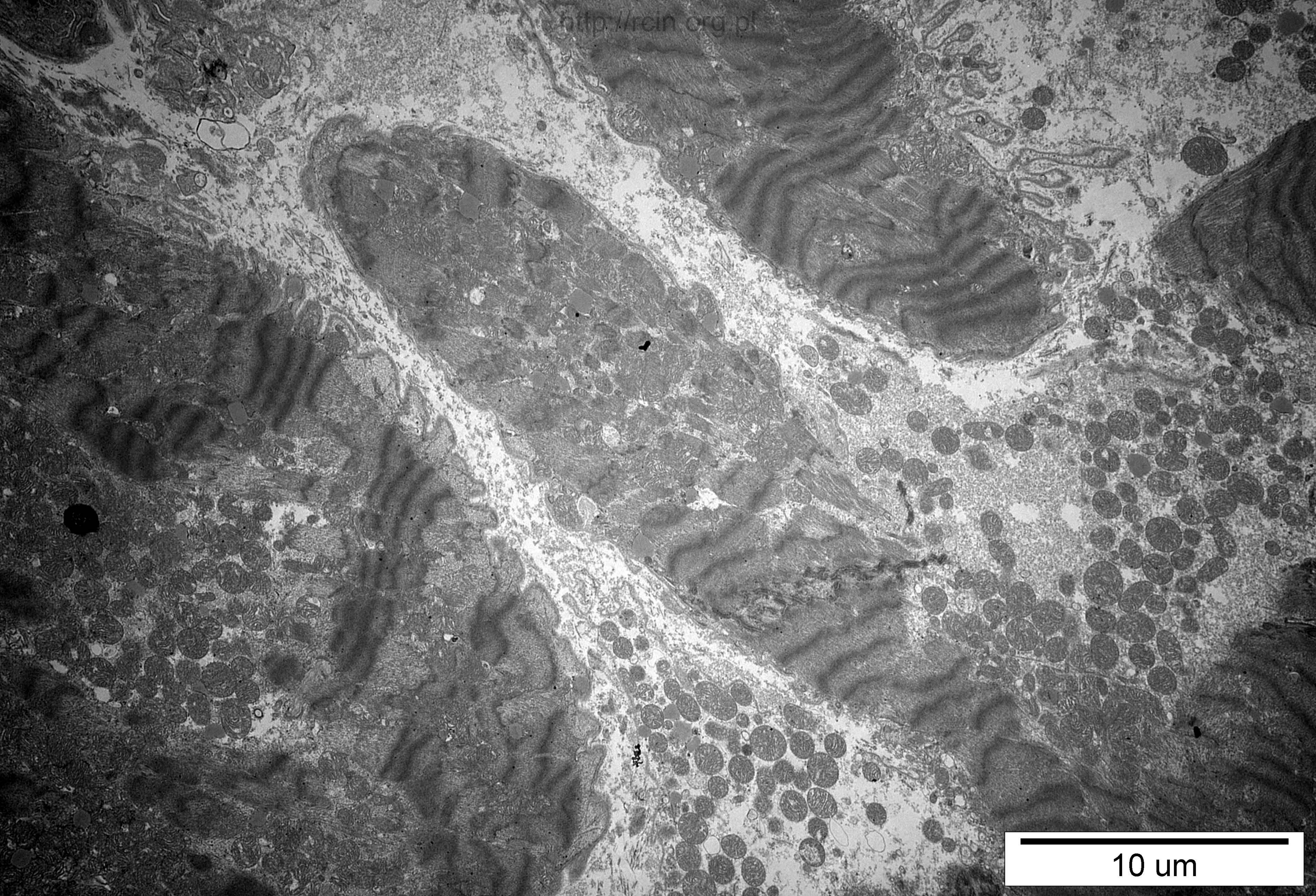
2 um





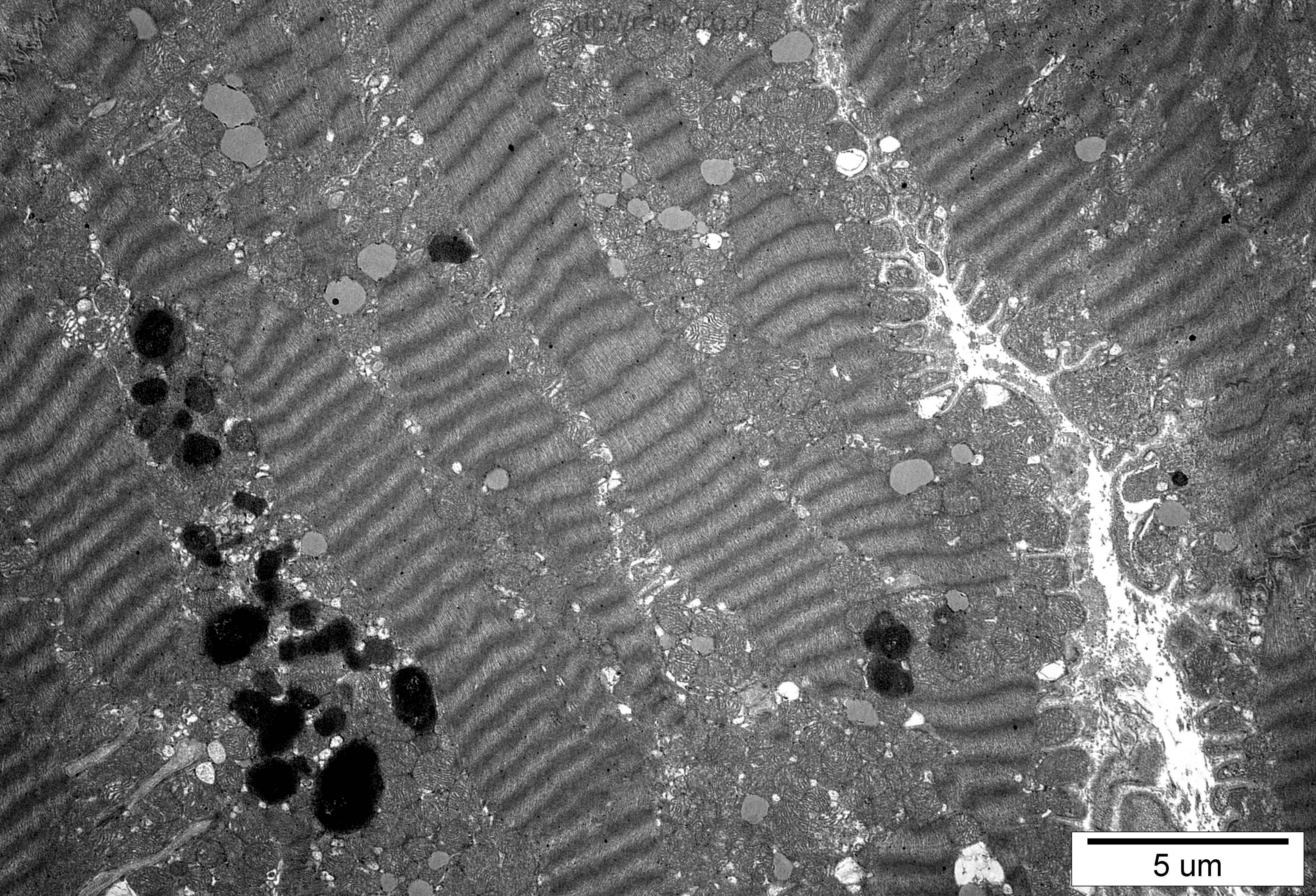
5  $\mu\text{m}$





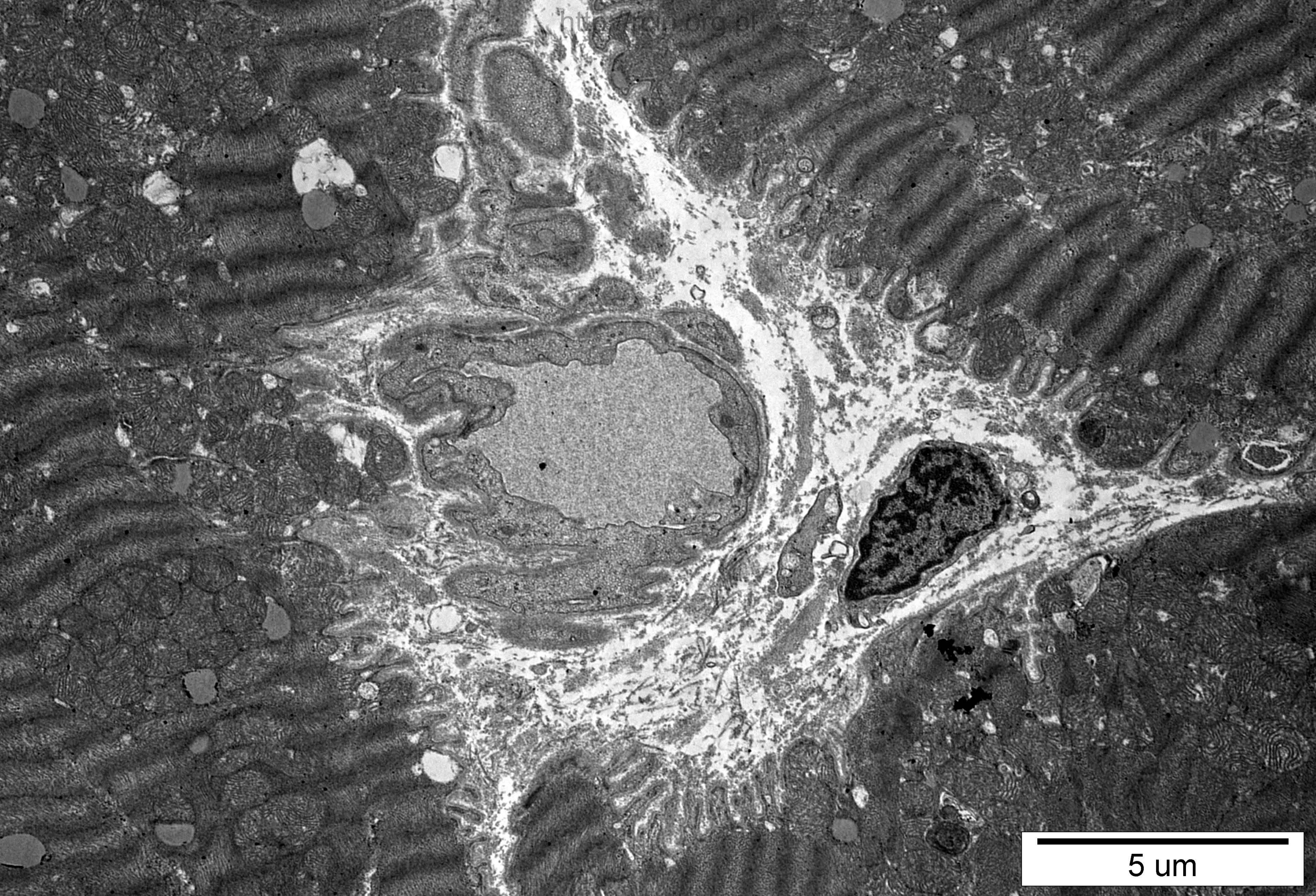
10  $\mu\text{m}$





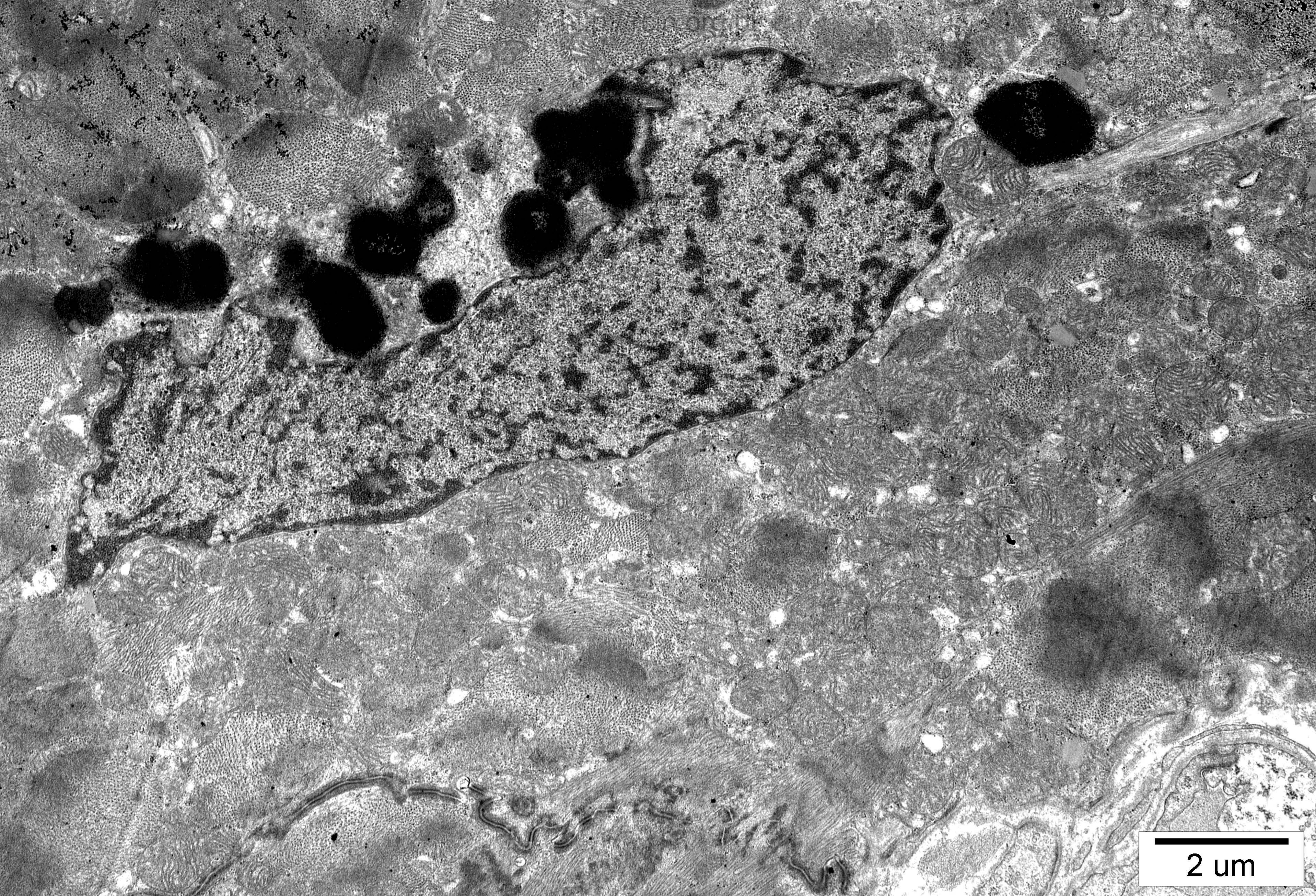
5 um





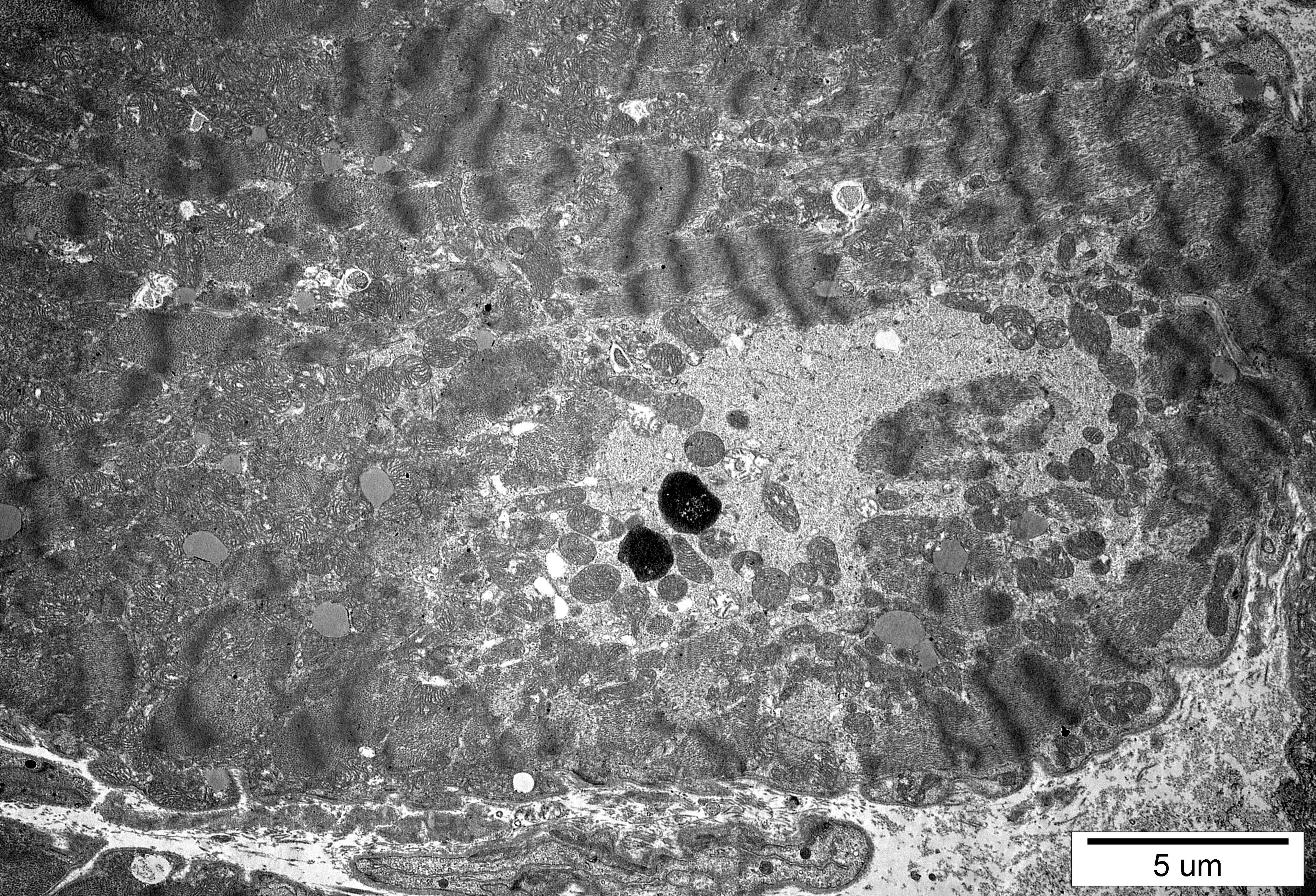
5  $\mu$ m





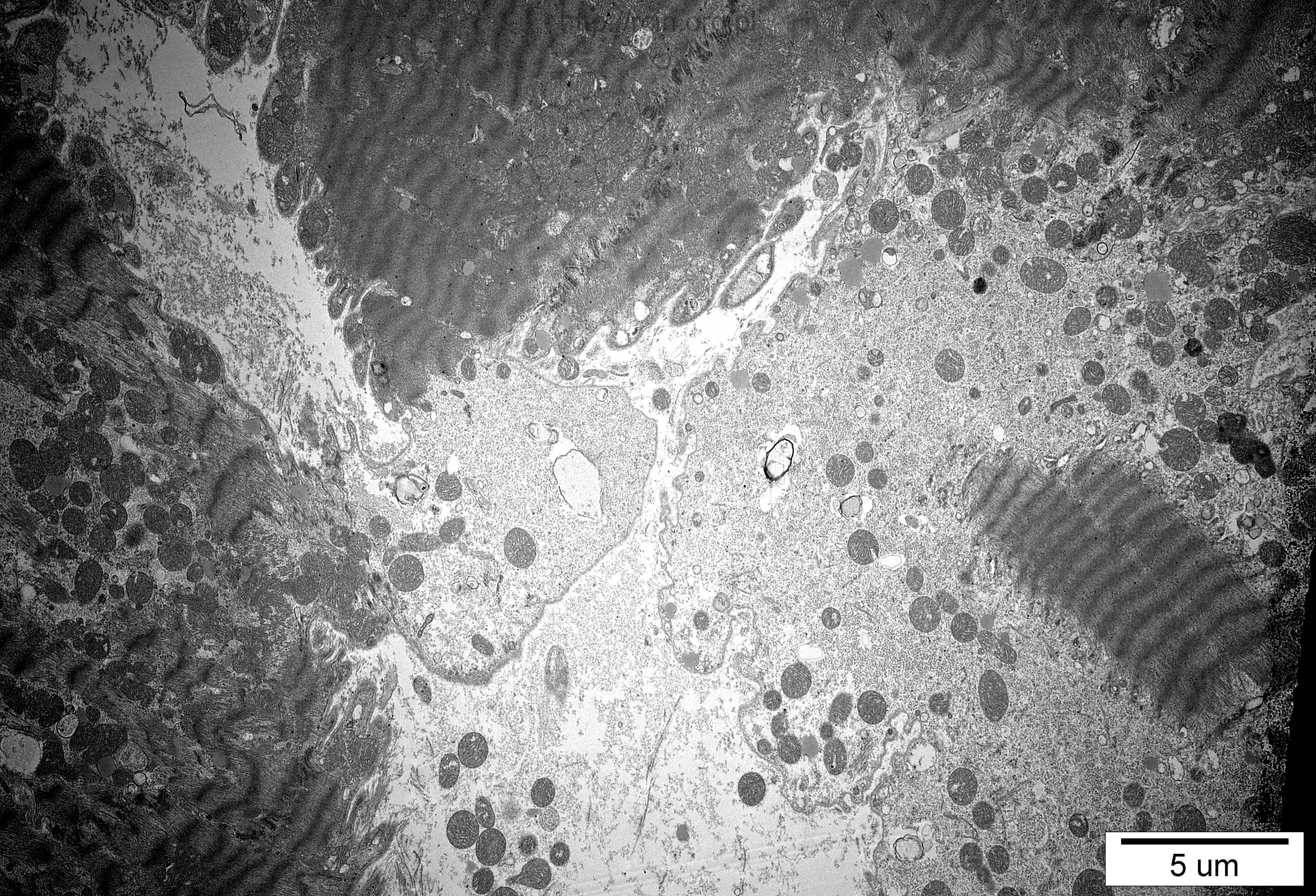
2 um





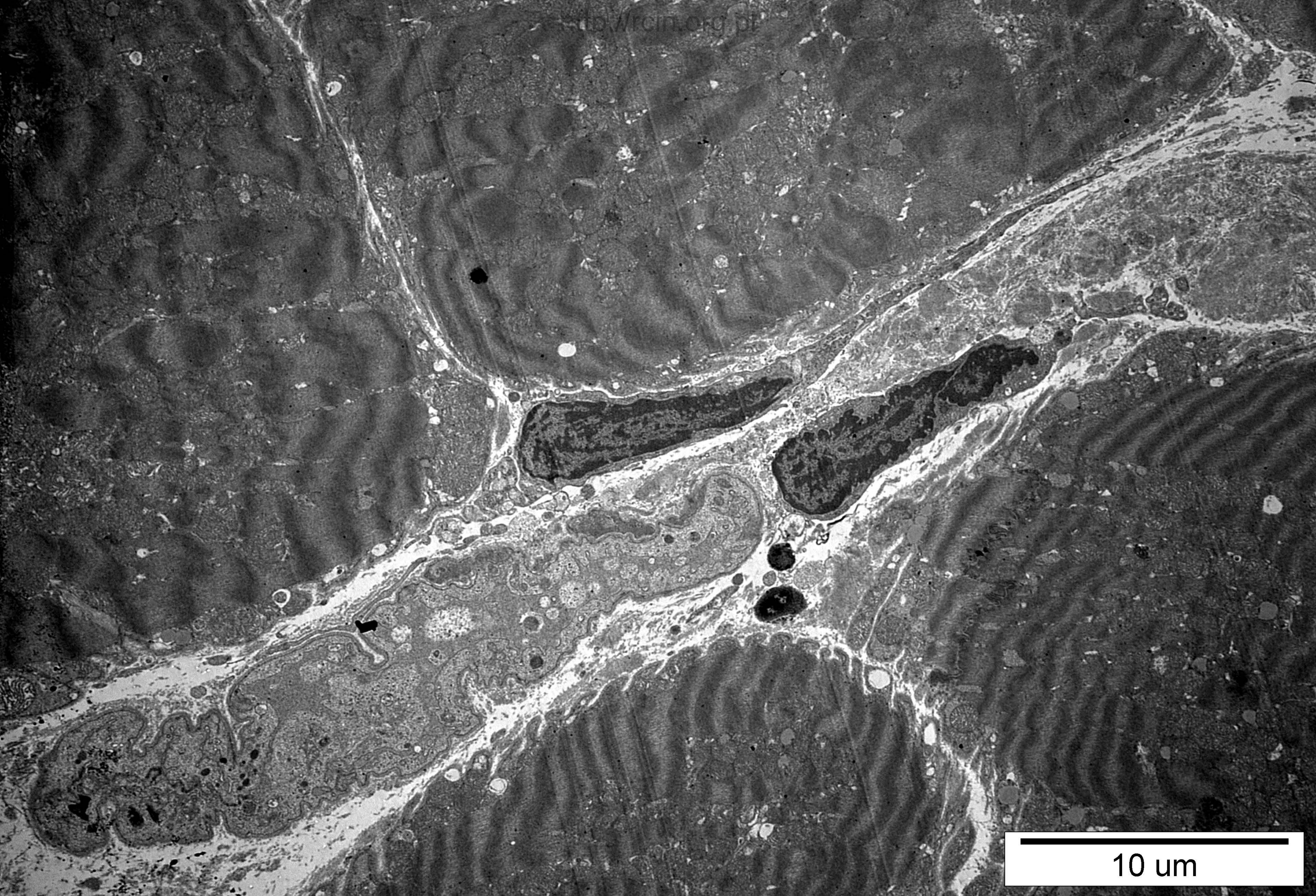
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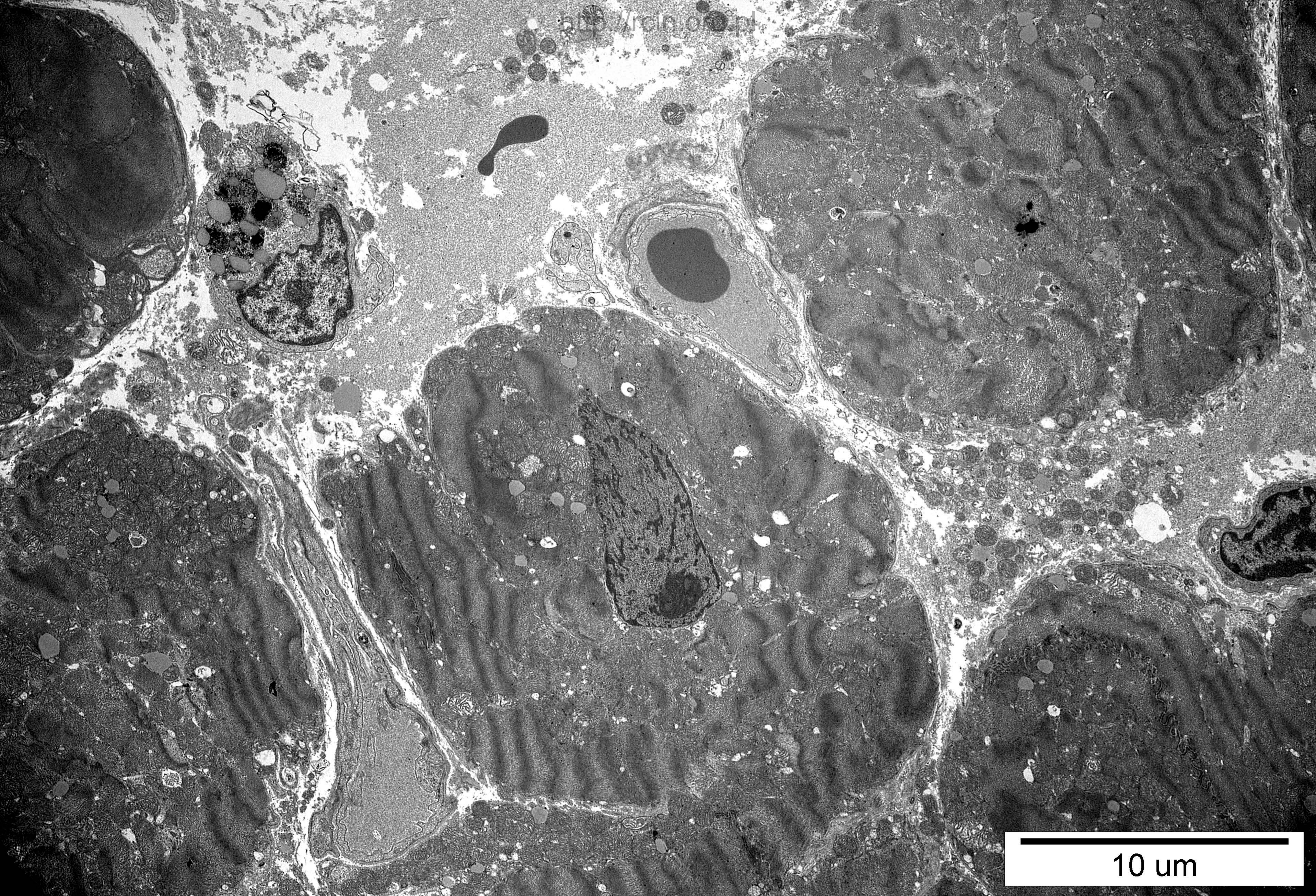
5  $\mu\text{m}$





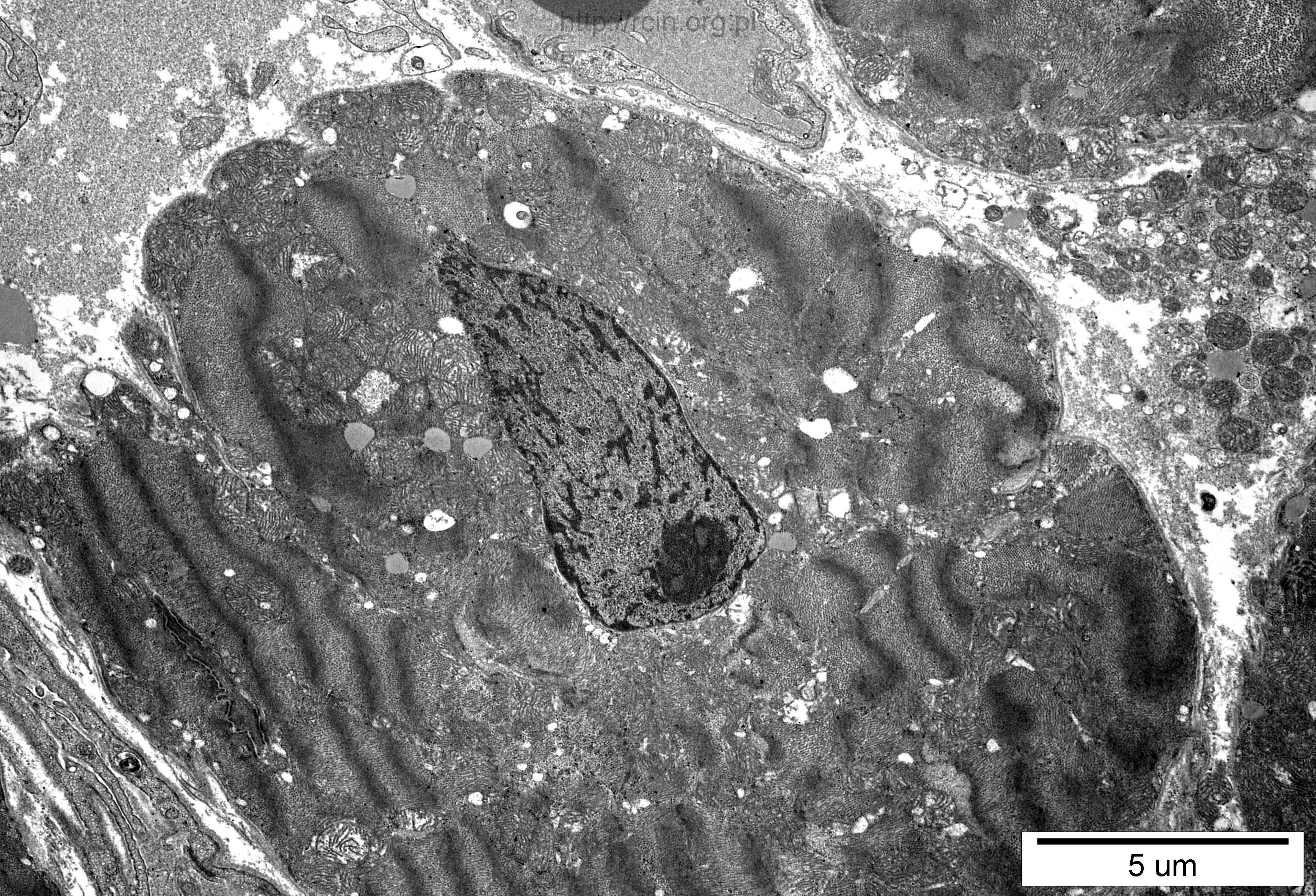
10 um





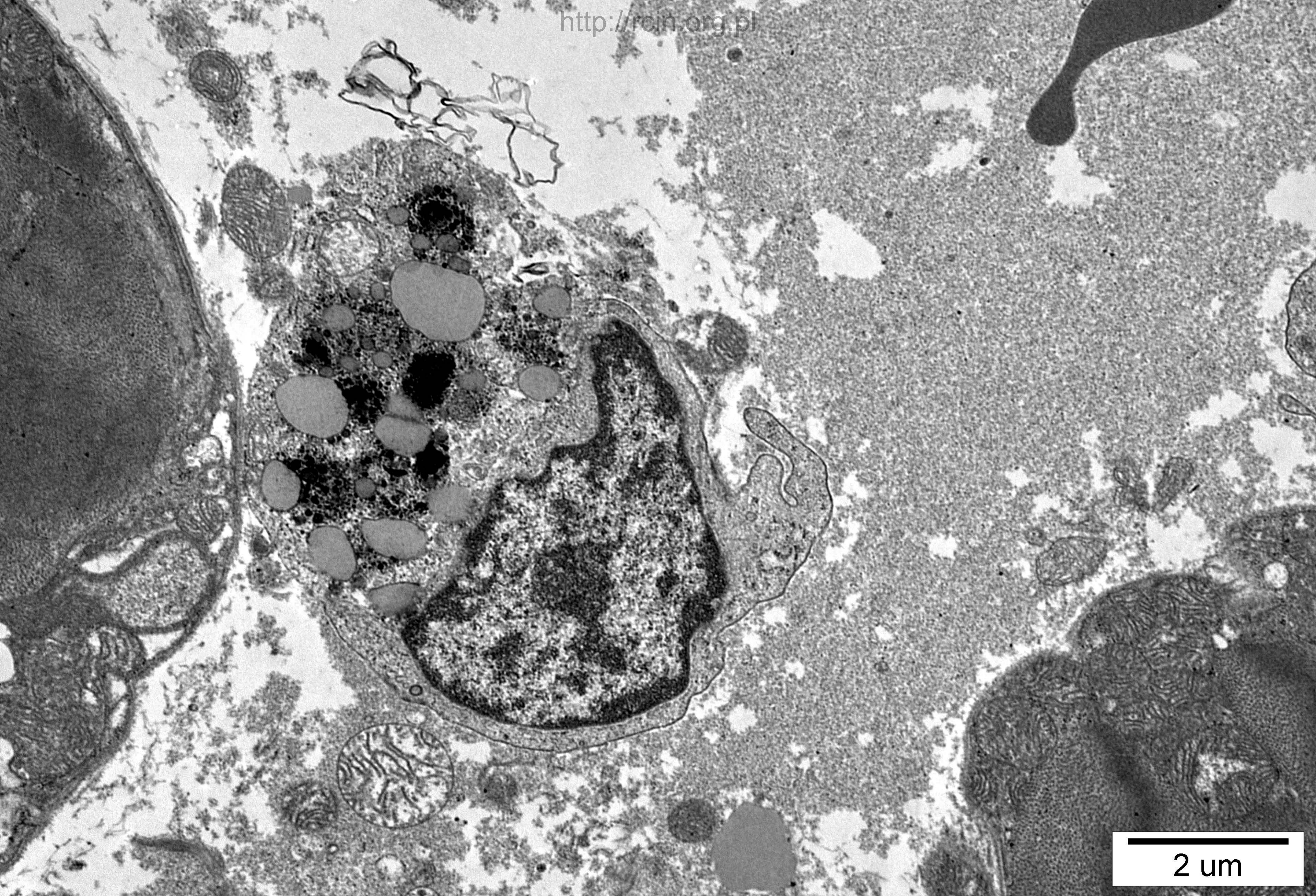
10 um





5  $\mu$ m





2 um



40s-2000 serce

Ocena elektronowo-mikroskopowa wykazała nieregularny układ aparatu kurczliwego, zatartą strukturę sarkomerów (Fig. 40s-2000-3, 4, 5) oraz miejscowy ubytek miofibryli (Fig. 40s-2000-7, 8). Jądra nie wykazywały większych zmian ultrastrukturalnych i położone były ośrodkowo (Fig. 40-2000-2, 22, 27). Obserwowano mitochondria o uszkodzonych grzebieniach (Fig. 40s-2000-10, 11, 17), krople lipidów (Fig. 40s-2000-12, 16, 20) oraz licznie występujące lipofuscyny (Fig. 40s-2000-4, 9, 14, 15, 18, 22). Wstawki (intercalated disc) charakteryzowały się nieregularnym przebiegiem (Fig. 40s-2000-8). W przestrzeni zewnątrzkomórkowej obficie występowały włókienka kolagenu oraz naczynia kapilarne (Fig. 40s-2000-5, 21, 25)

The electron-microscopic evaluation revealed irregular arrangement of the contractile apparatus, blurred sarcomeres structure (Figs. 40s-2000-3,4,5) and focally, loss of myofibrils (Figs. 40s-2000-7,8). The nuclei did not show any major ultrastructural changes and were located centrally (Figs. 40-2000-2,22, 27). Mitochondria were characterized by partial lack of mitochondrial cristae (Figs. 40s-2000-10,11,17). Lipid droplets (Figs. 40s-2000-12,16,20) and numerous lipofuscin deposits (Figs. 40s-2000-4,9,14,15,18,22) were observed. The intercalated discs were irregular (Fig. 40s-2000-8). Collagen fibrils and capillary vessels were abundant in the extracellular space (Figs. 40s-2000-5, 21,25).