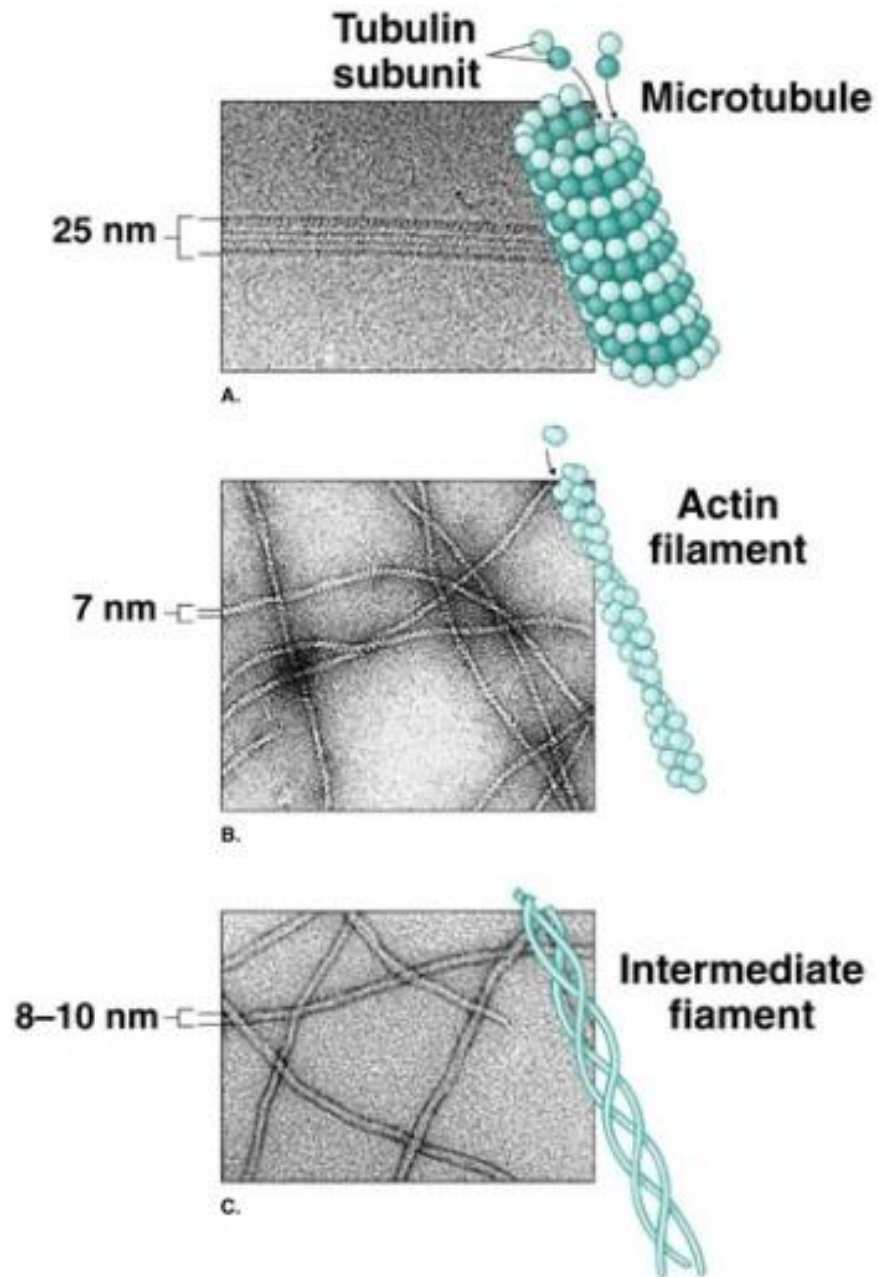
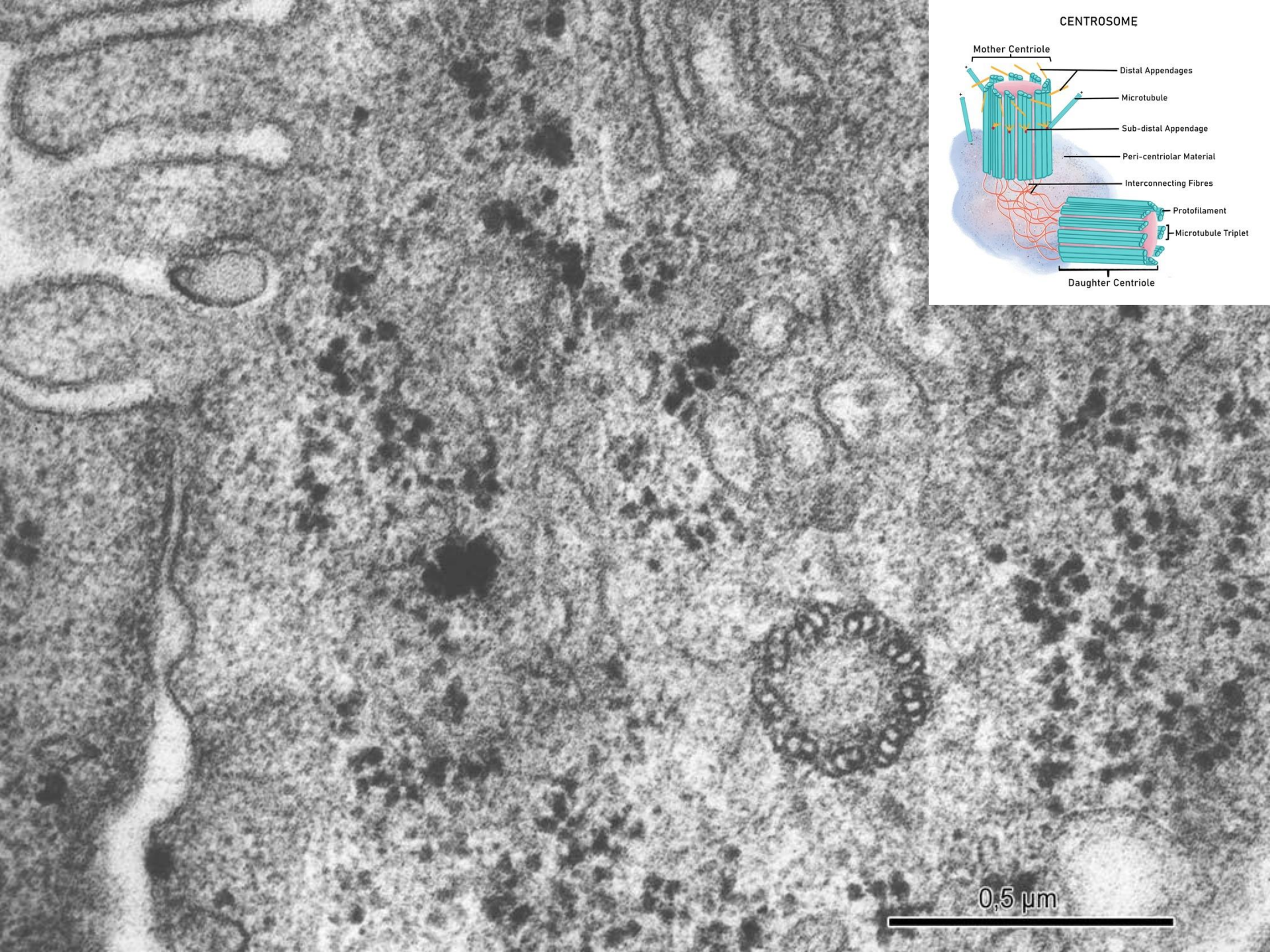


# CYTOLOGIE II

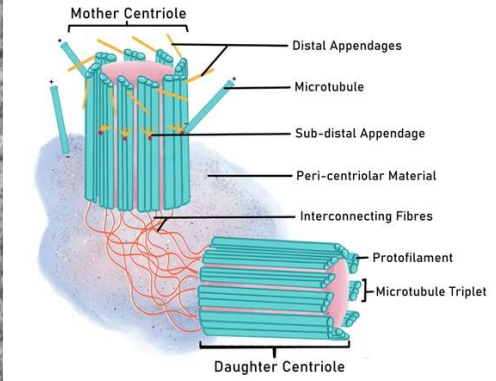
Cytoskelet a centriol. Buněčné inkluze. Modifikace buněčných povrchů.  
Mezibuněčné spoje.

CYTOLOGICKÝ A EMBRYOLOGICKÝ ATLAS



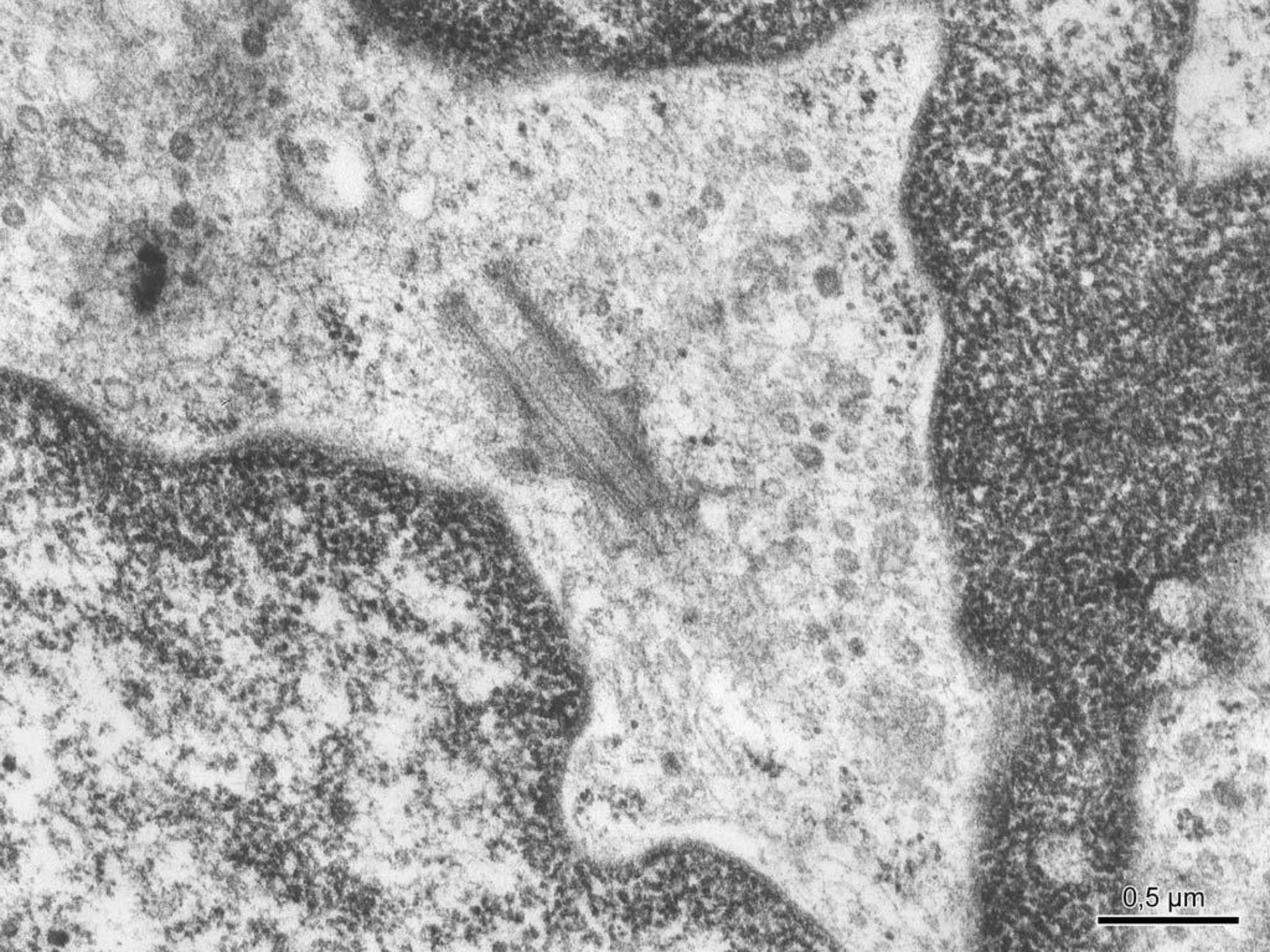


### CENTROSOME



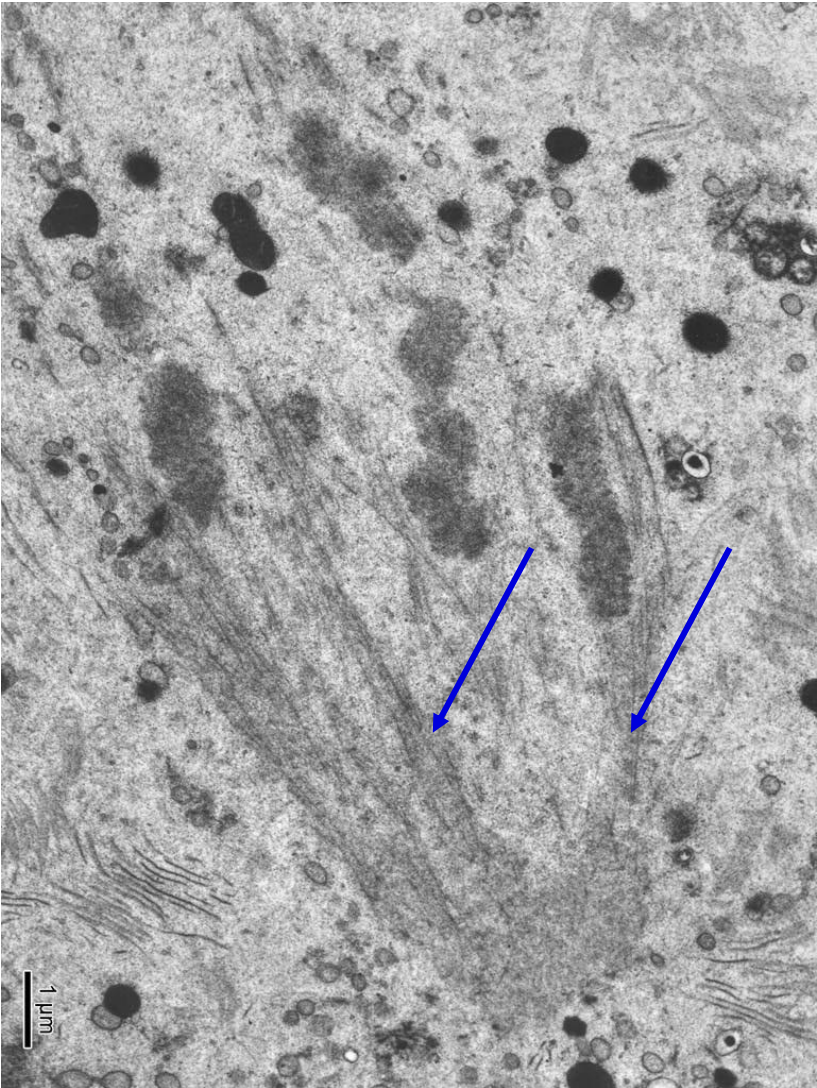
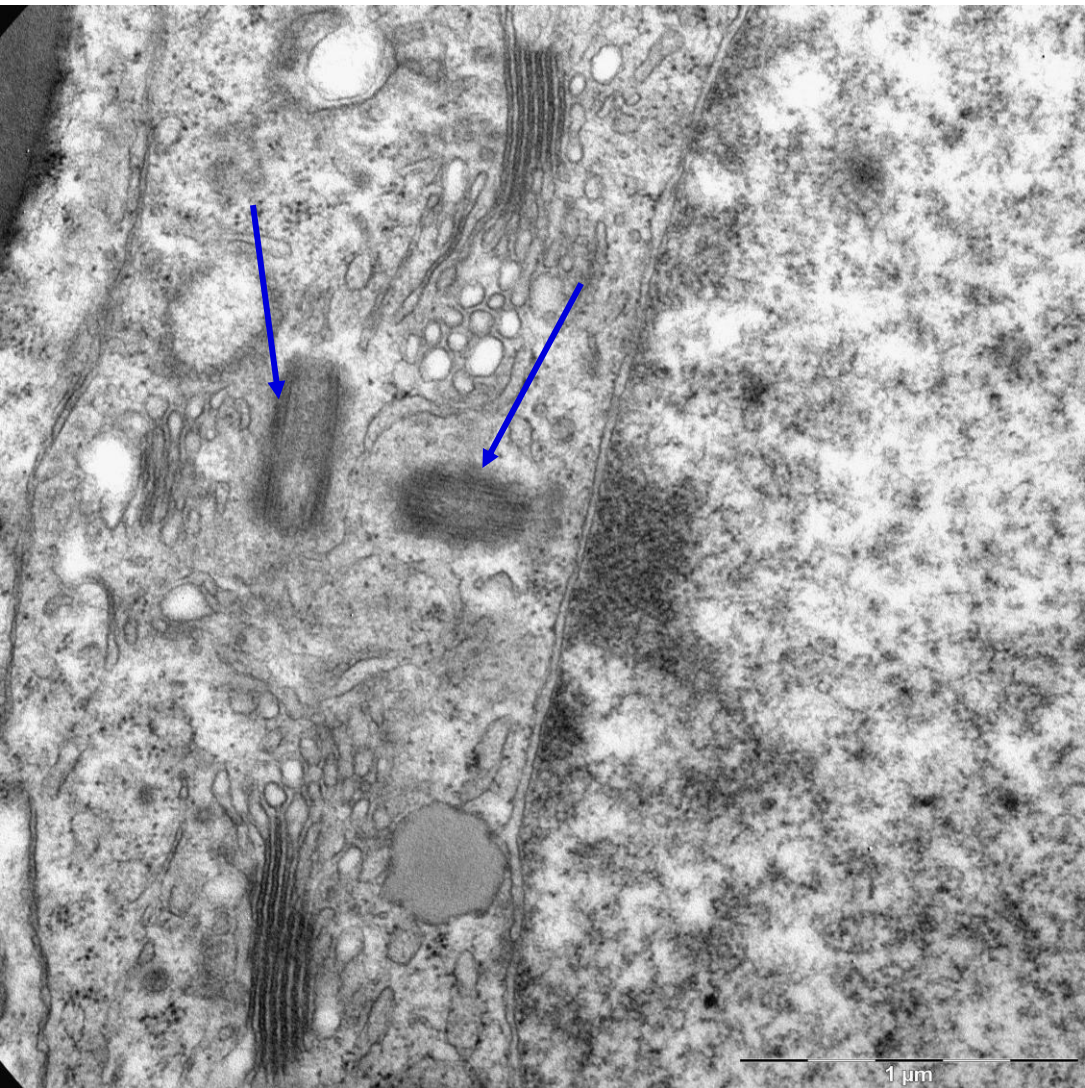
0,5  $\mu\text{m}$



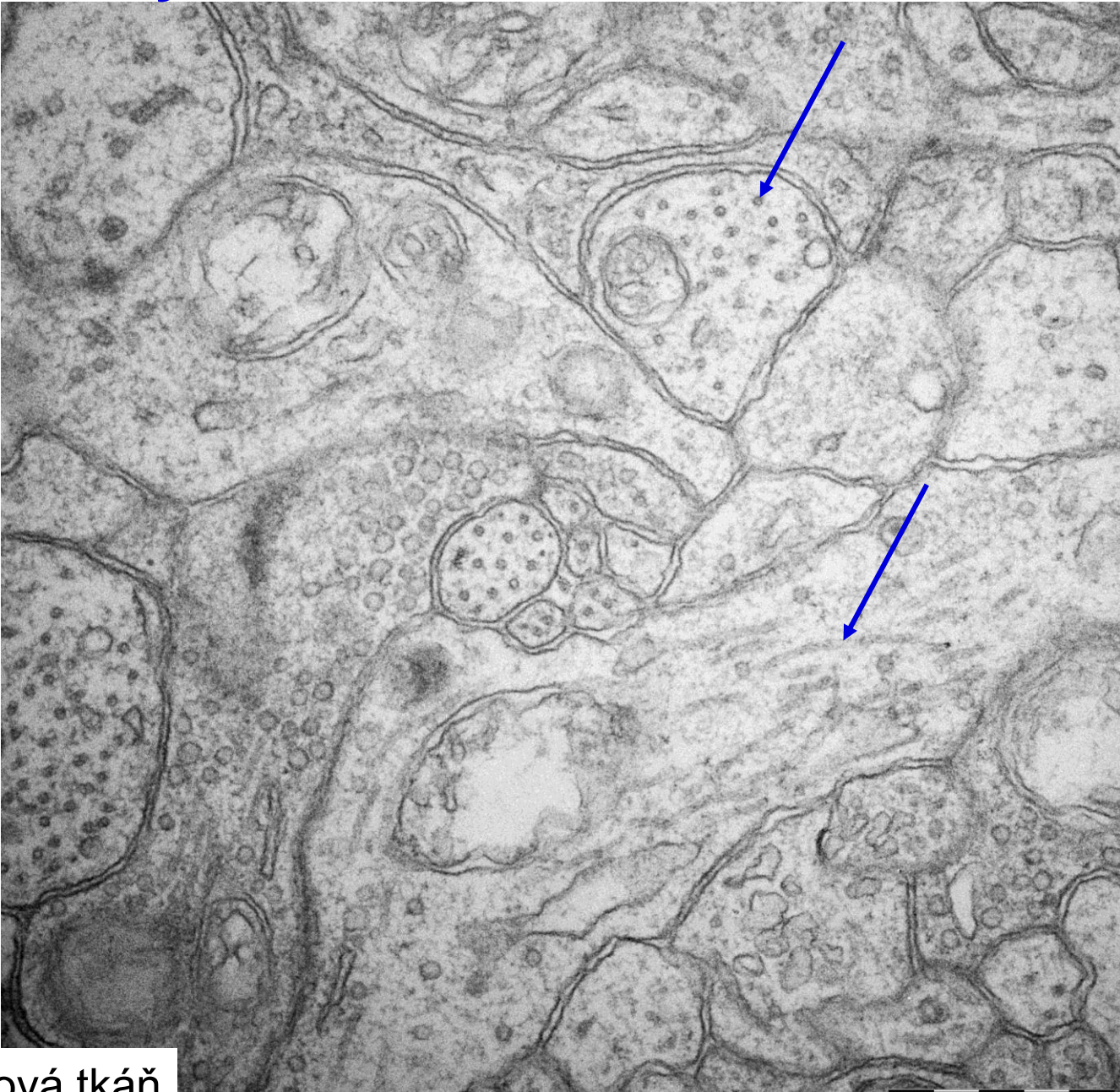


0,5 μm

# mikrotubuly



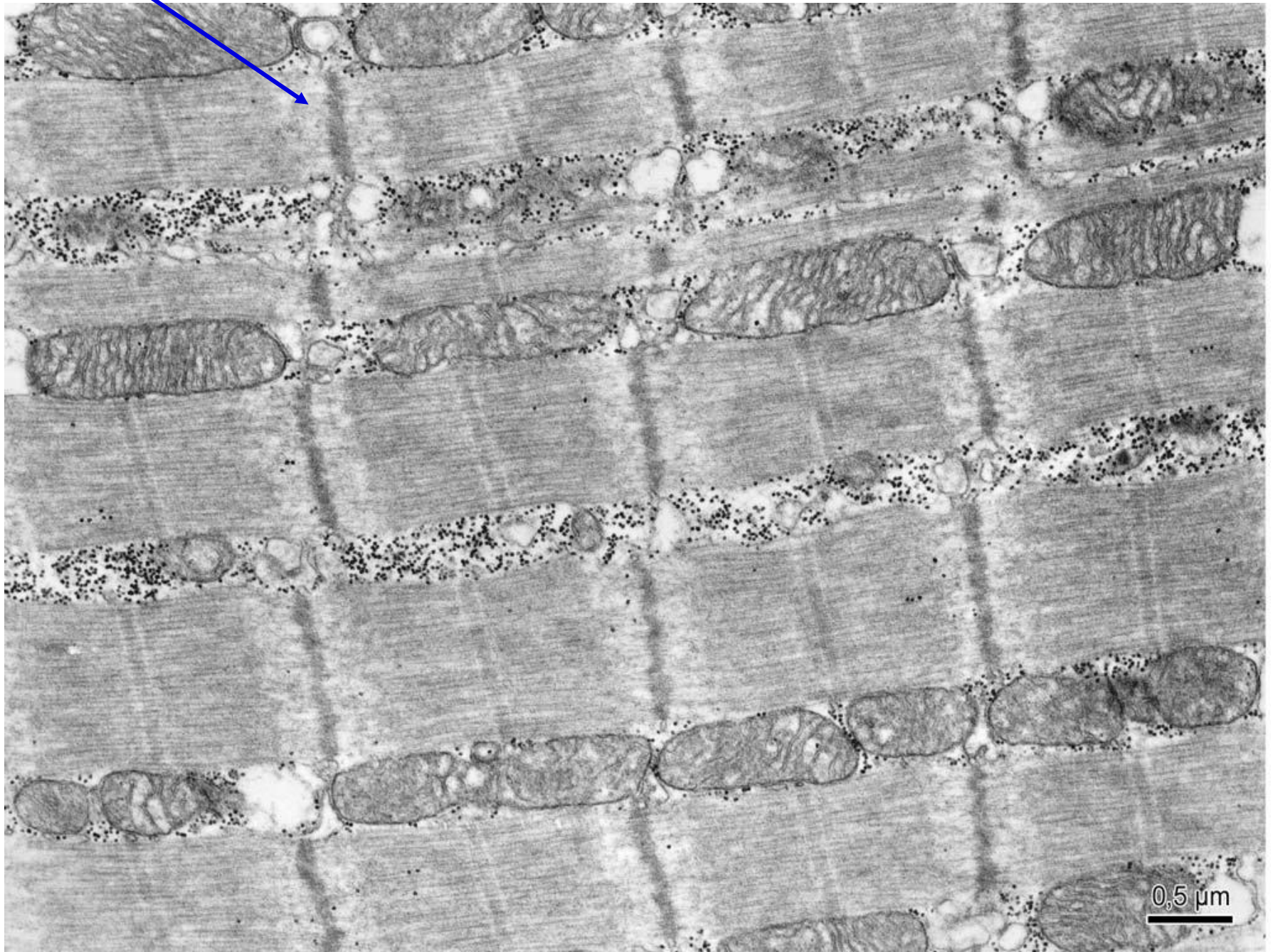
# mikrotubuly



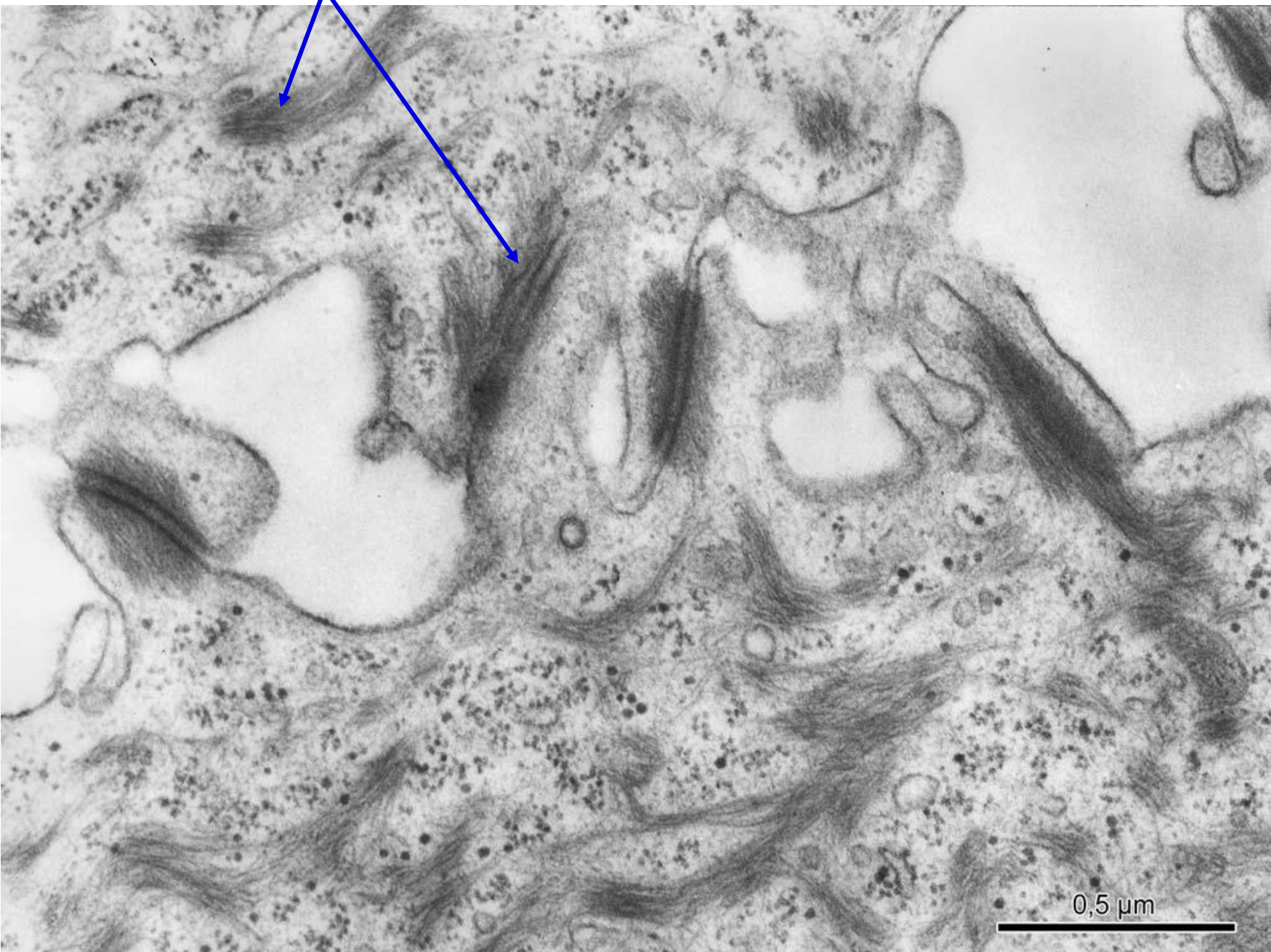
nervová tkáň

500 nm

# aktinová a myosinová filamenta

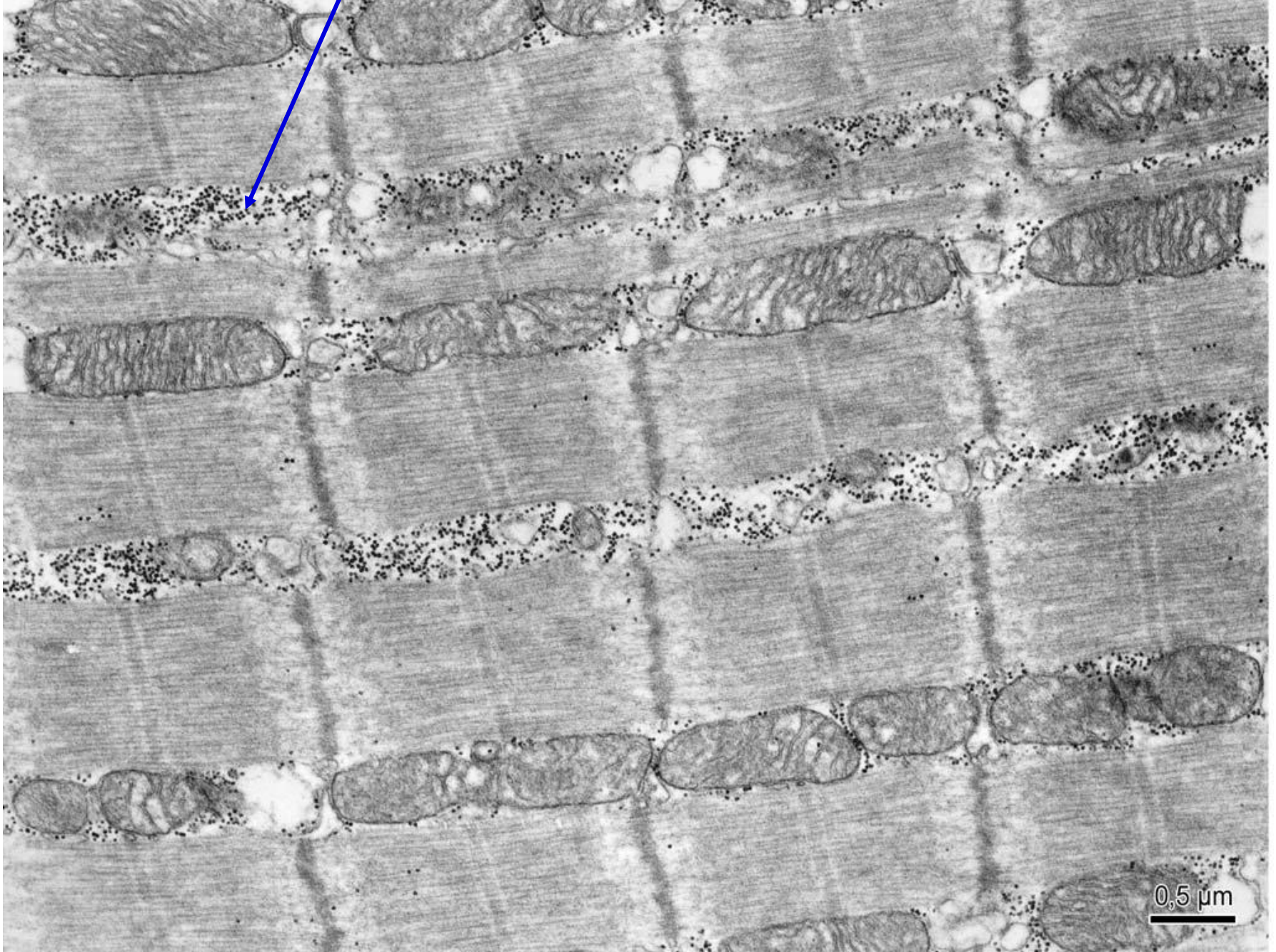


# intermediární filamenta

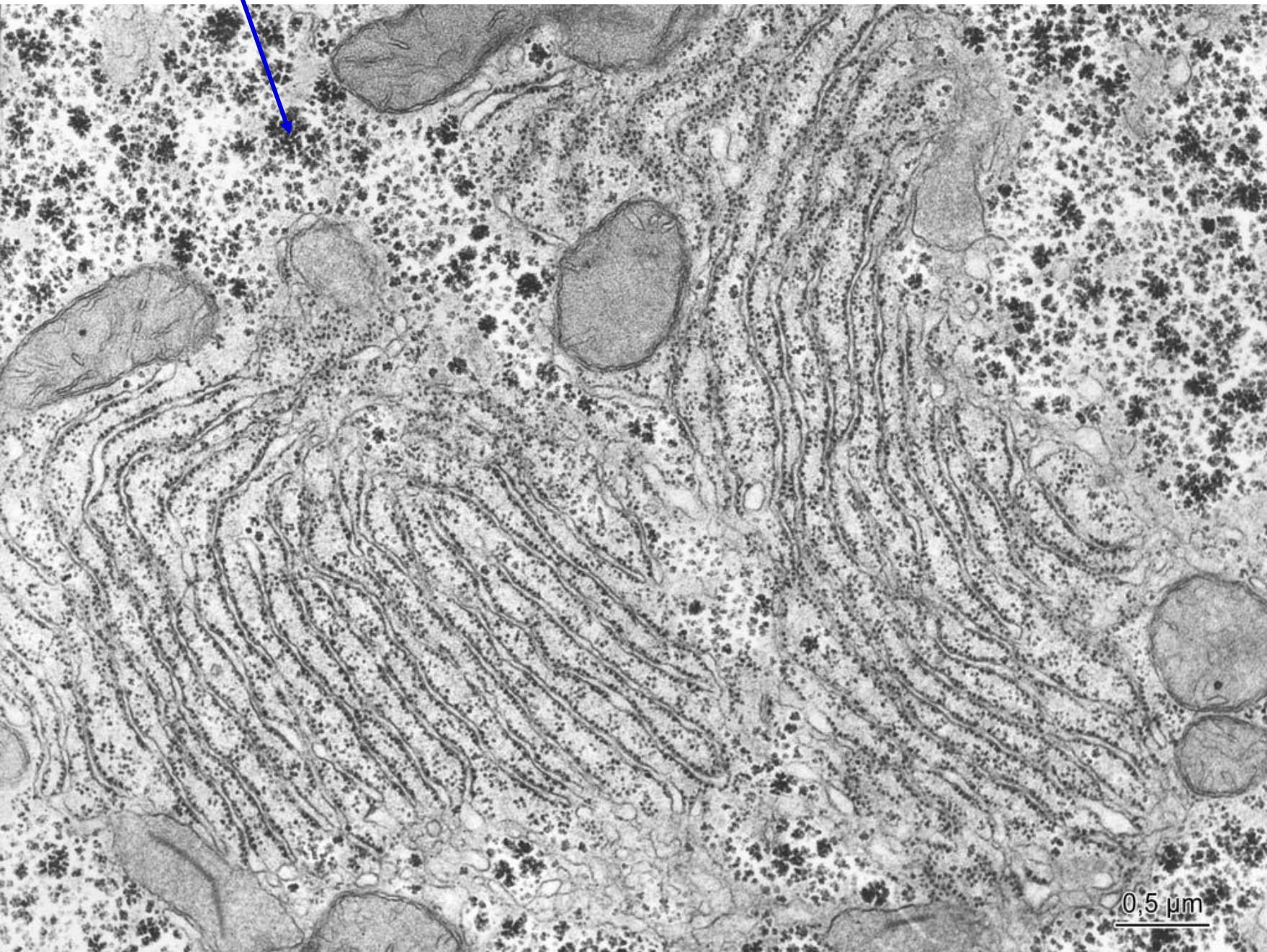




**glykogen –  $\beta$  granula**

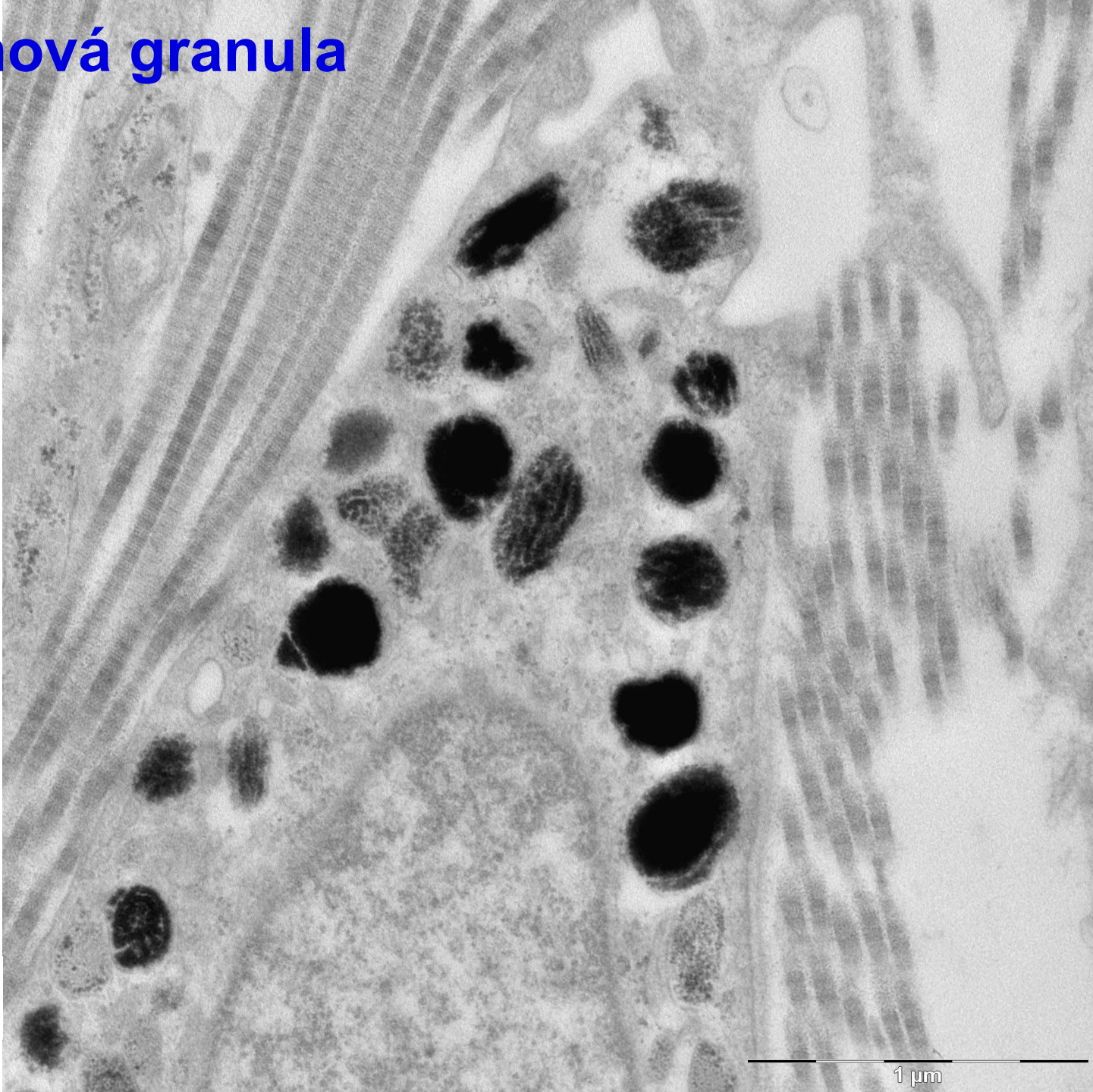


glykogen –  $\alpha$  granula



N I  
D

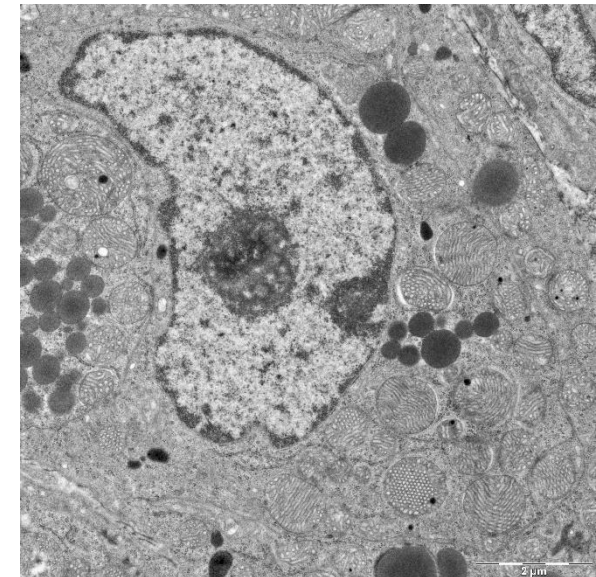
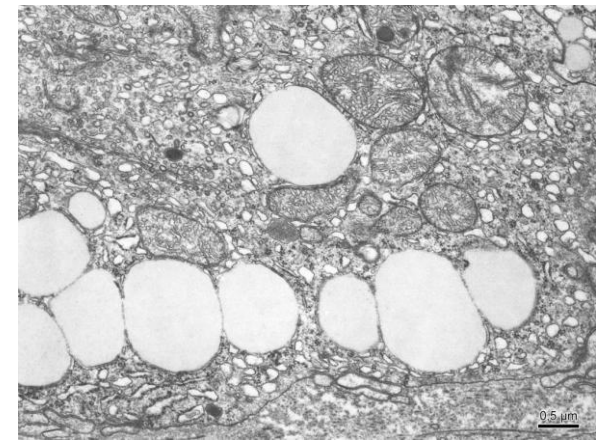
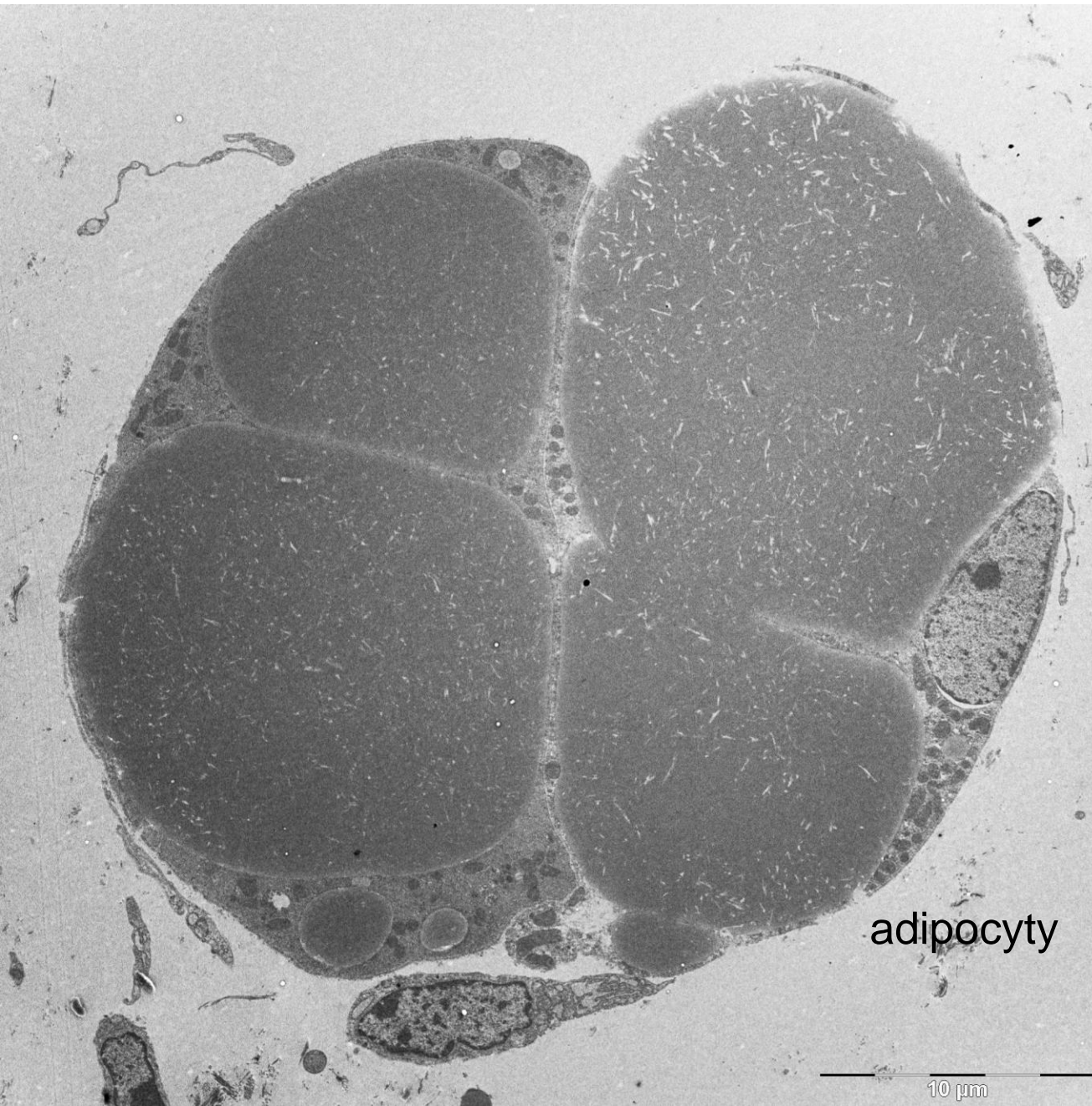
melaninová granula



N I  
D

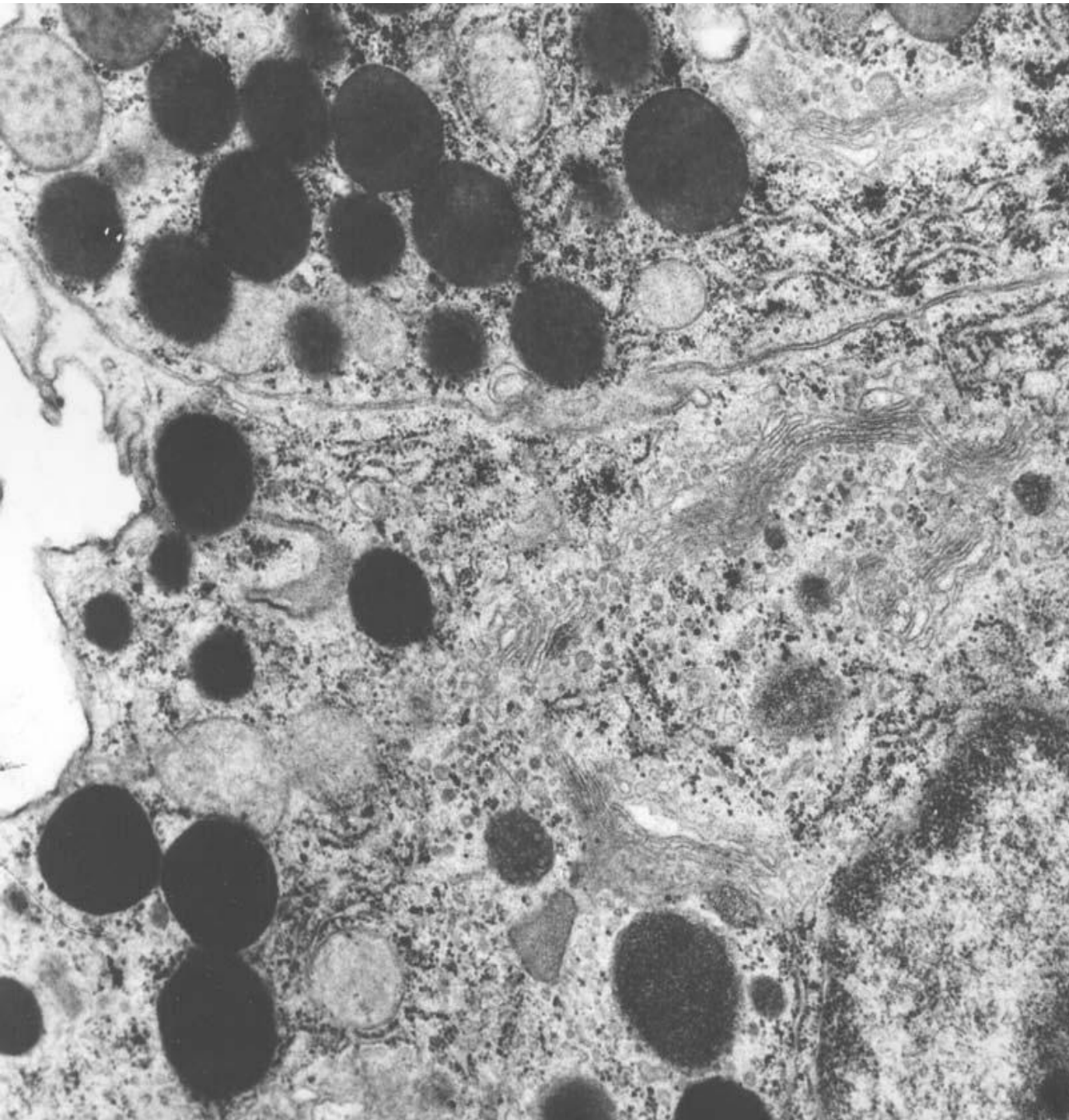
1  $\mu$ m

# lipidové kapky

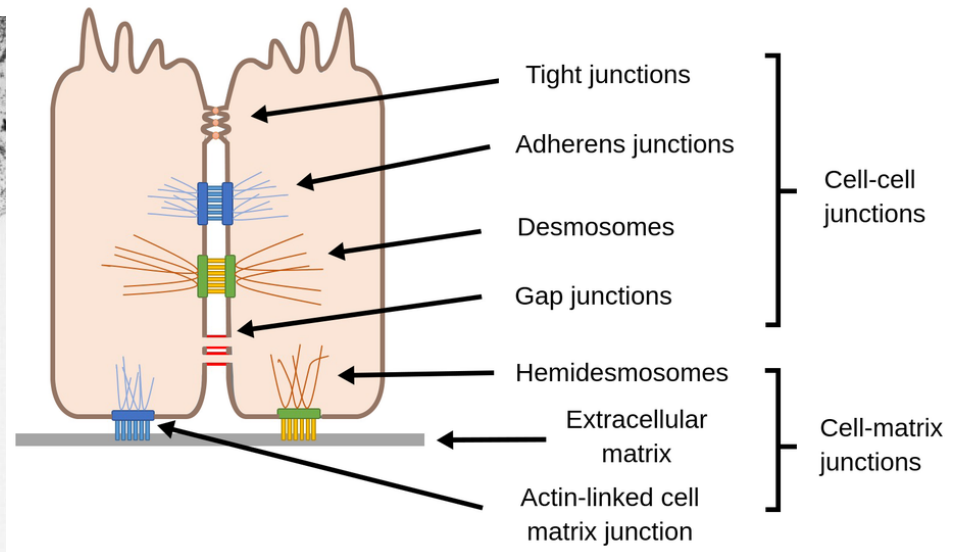
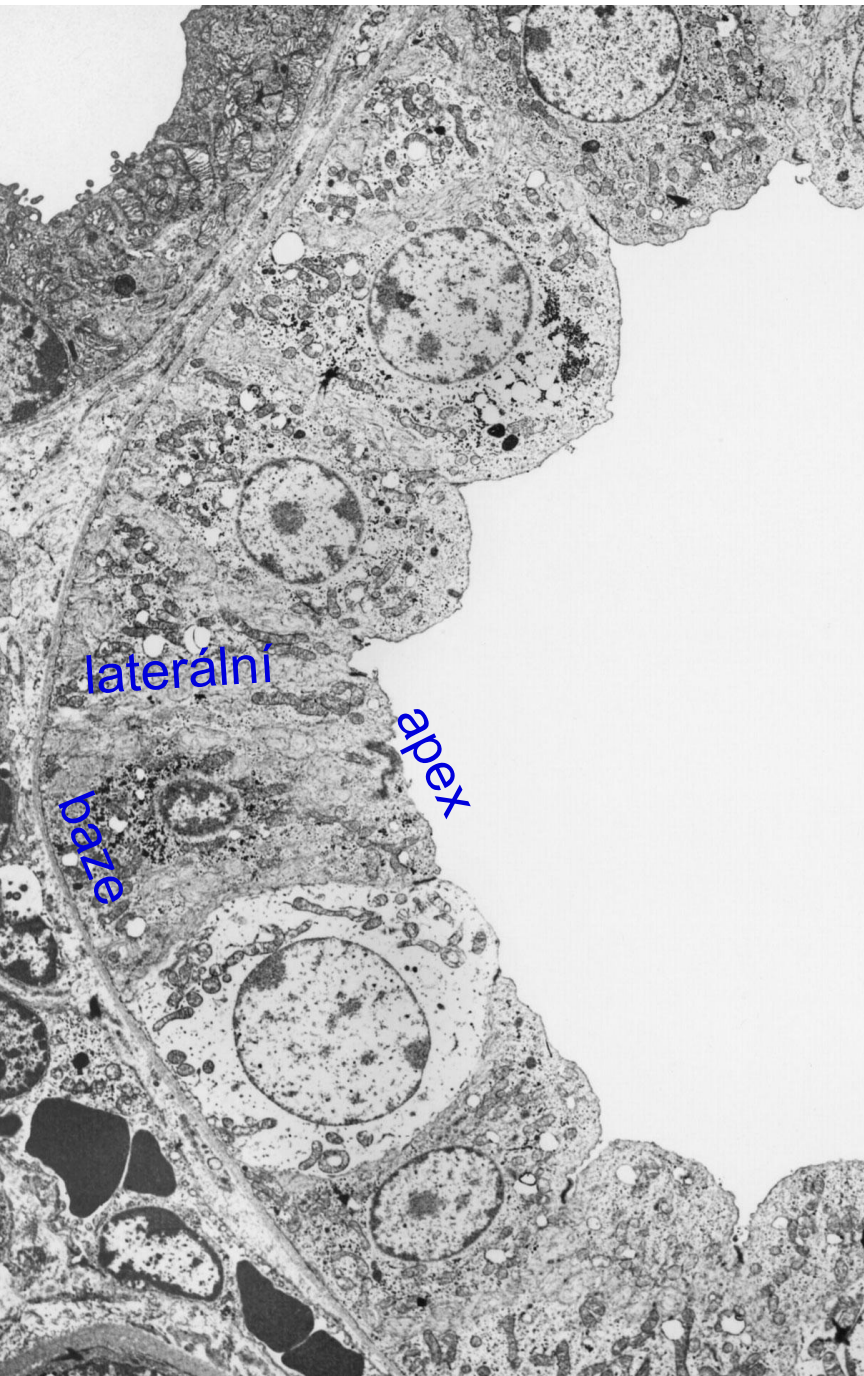


steroidogenní buňky

**sekreční  
granula**



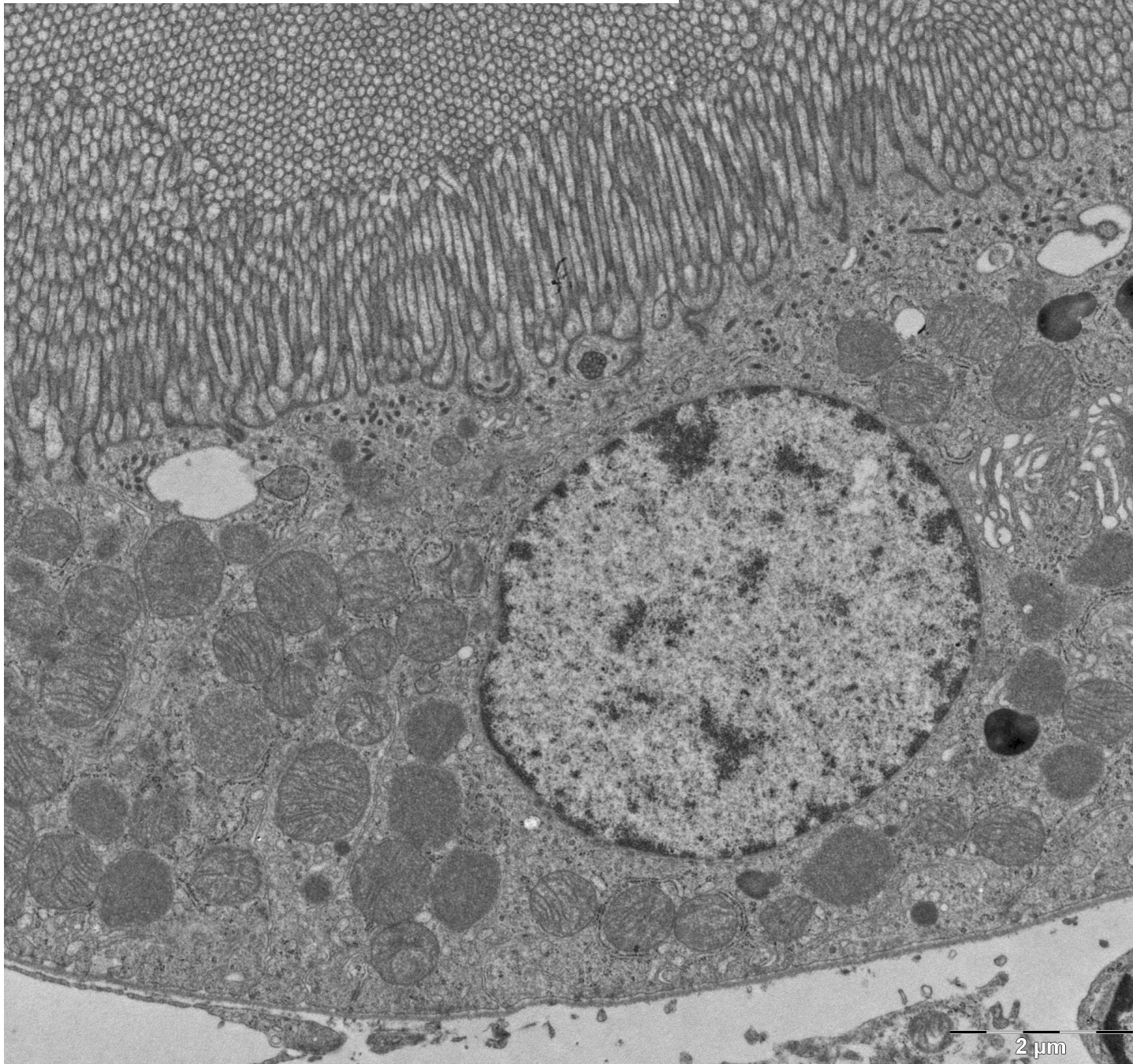
**MUNI  
MED**



# mikroklky – žíhaný lem

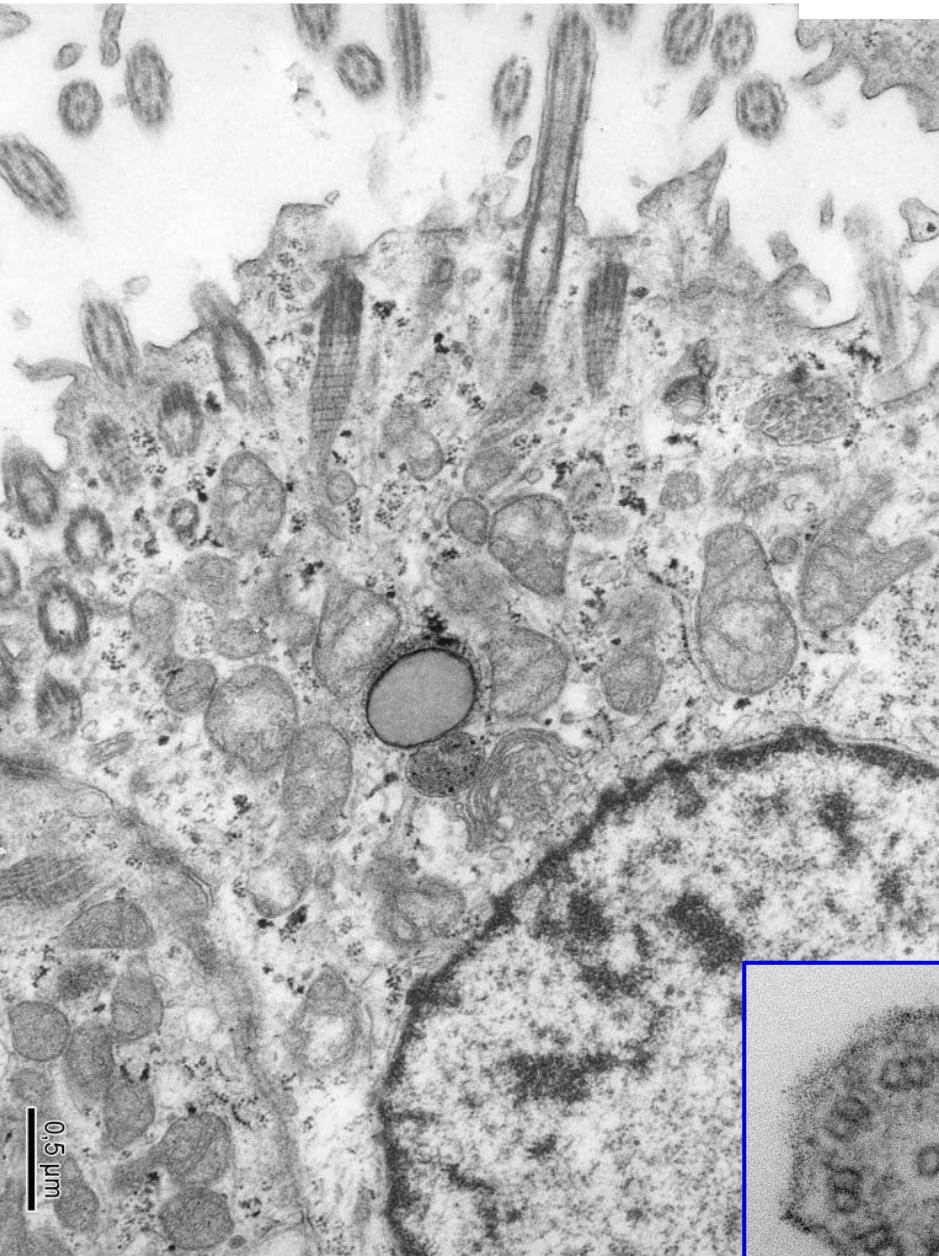


# mikroklky – kartáčový lem

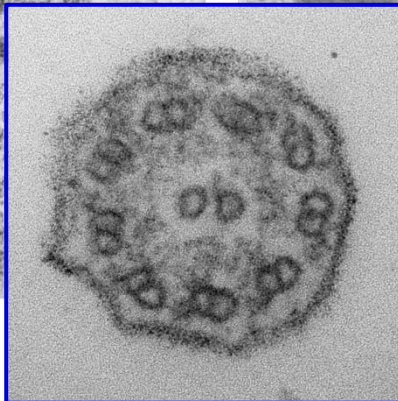




# kinocilie

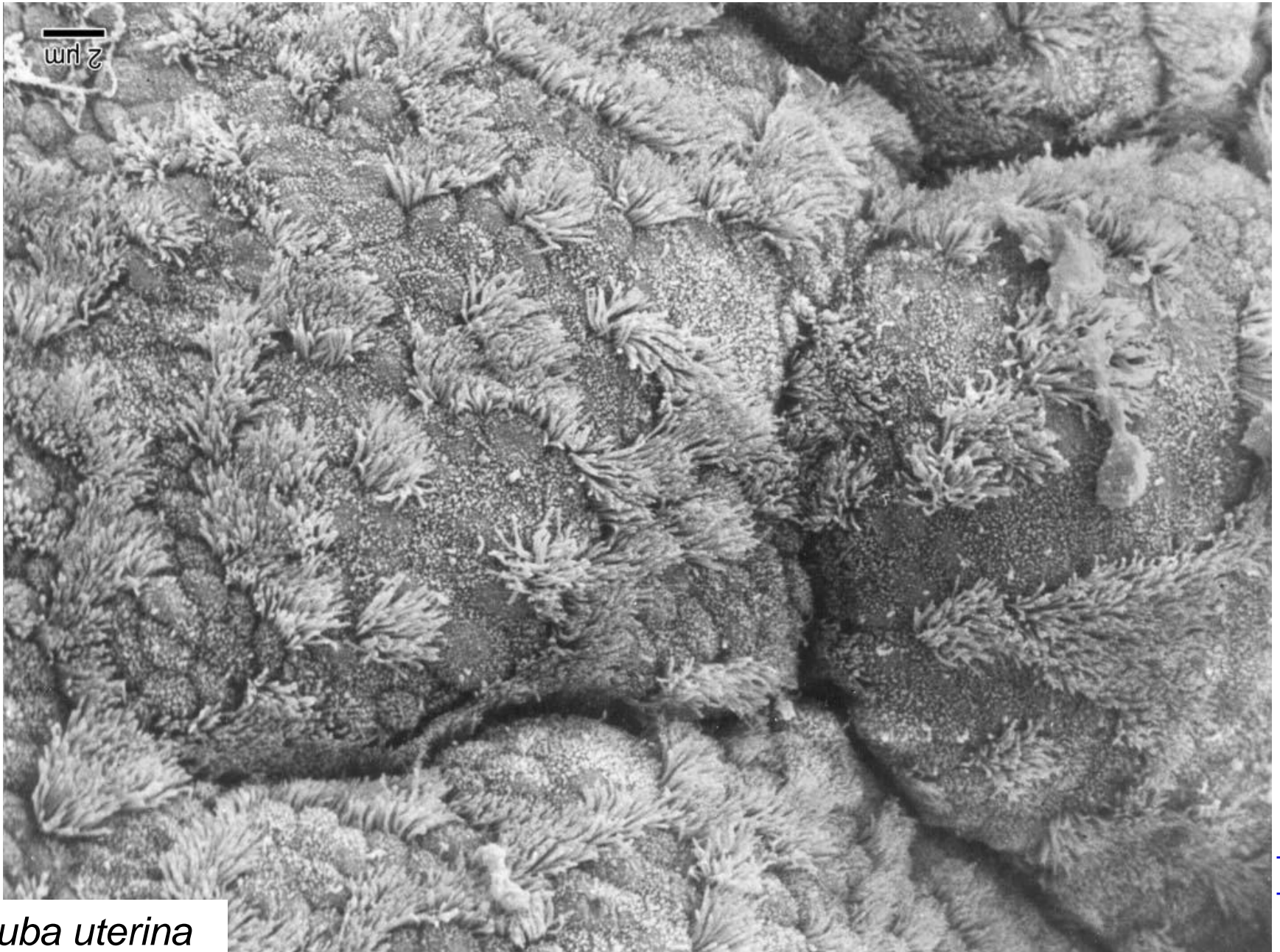


axonema

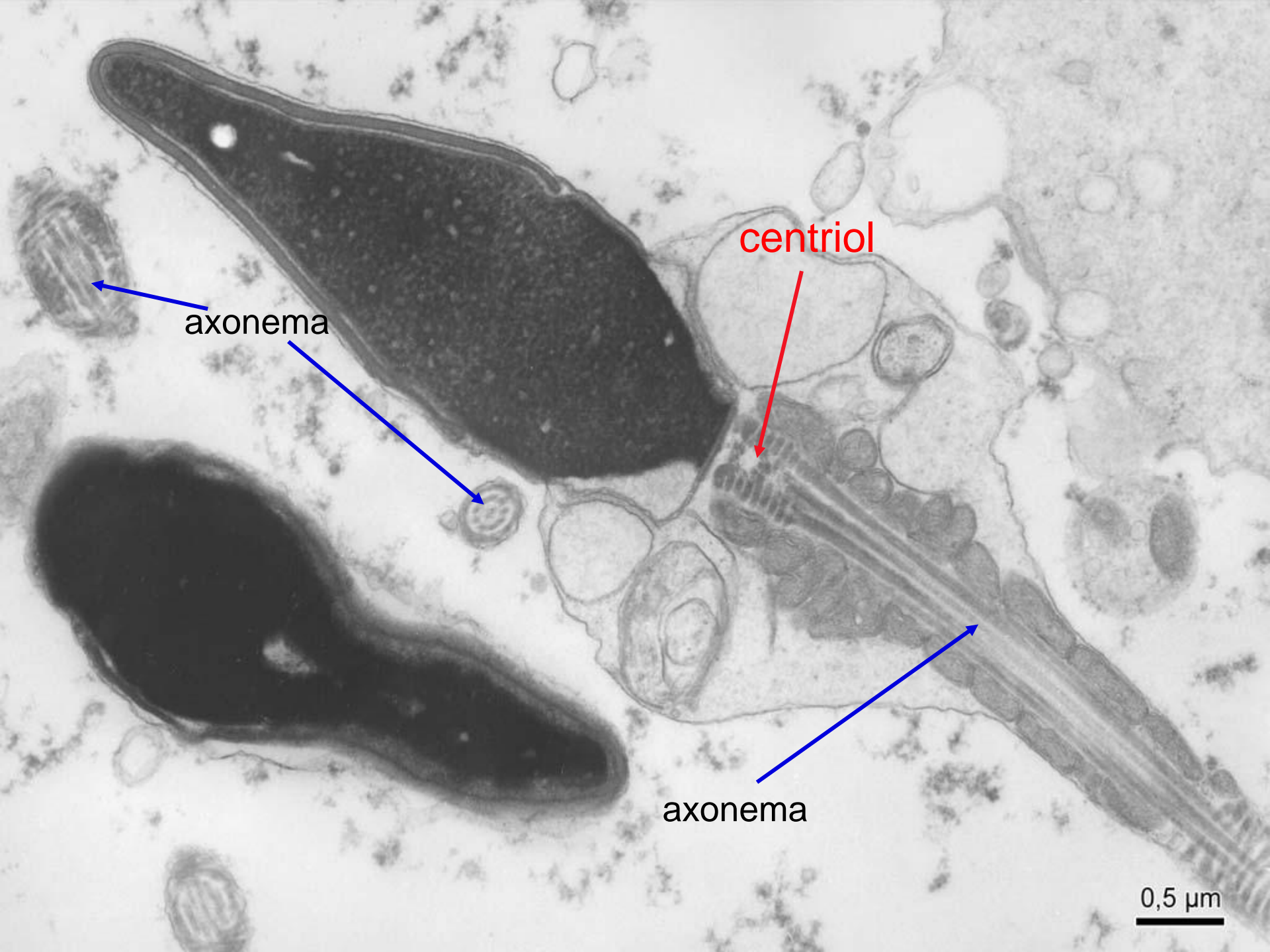


MED

# mikroklky a řasinky (kinocilie)



*tuba uterina*

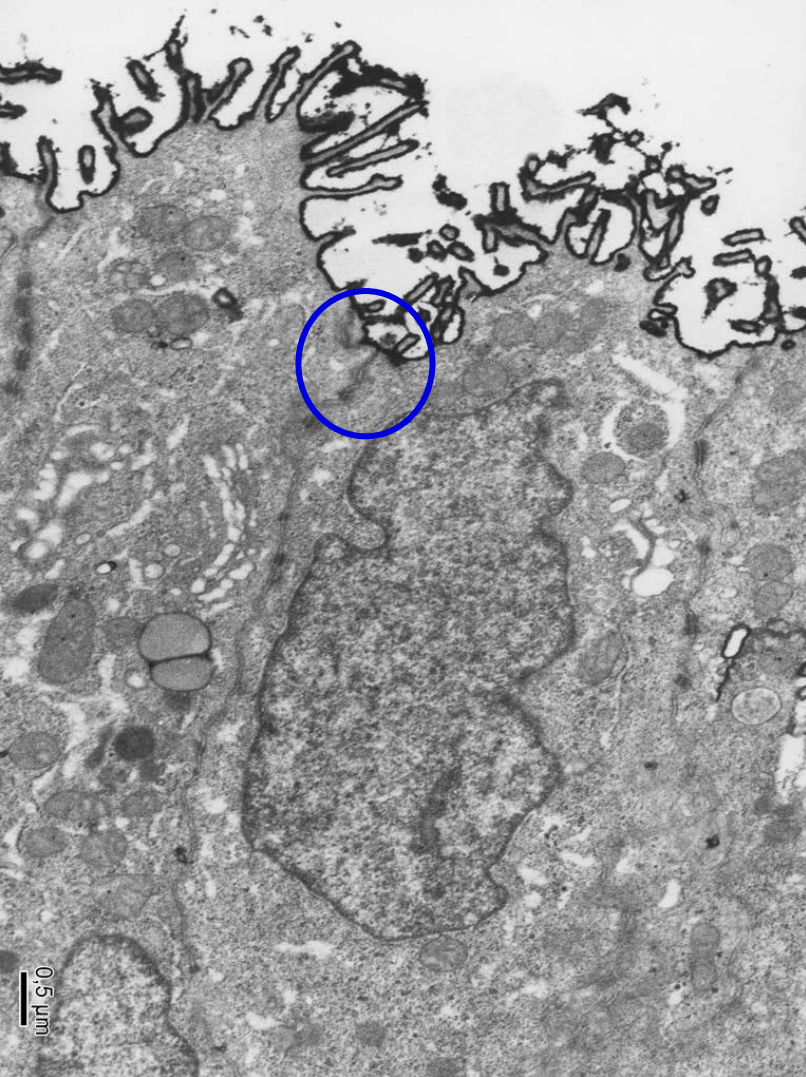


axonema

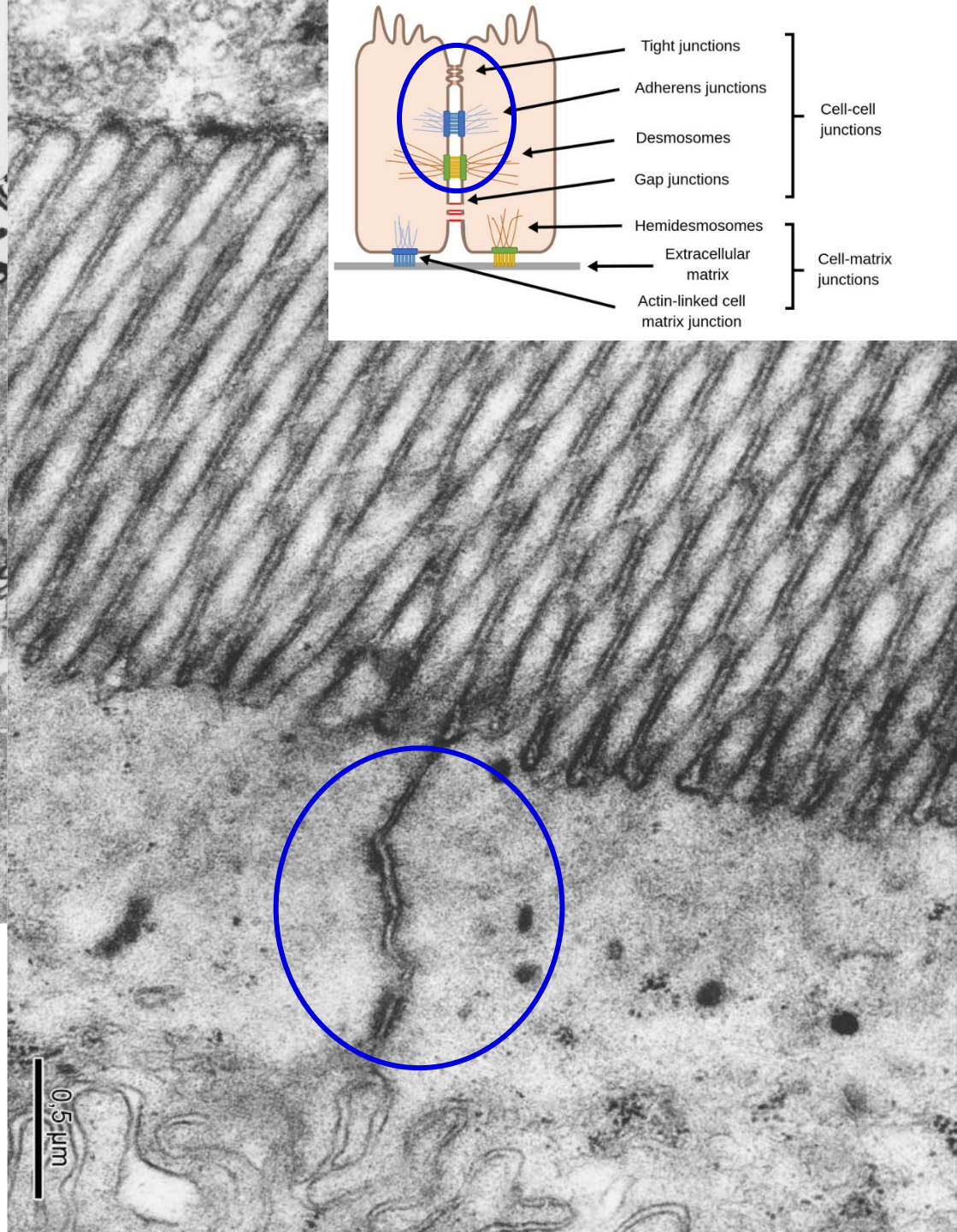
centriol

axonema

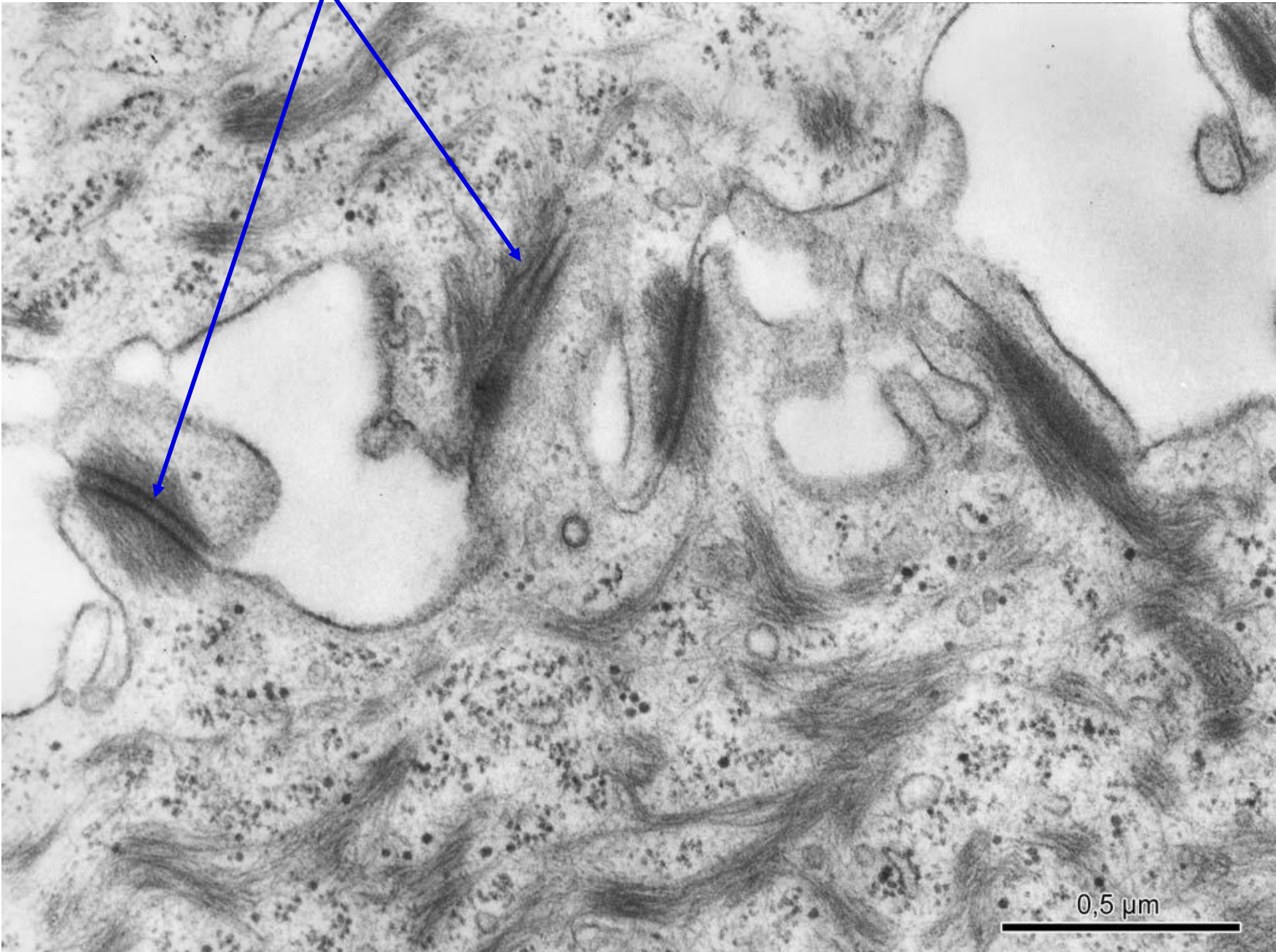
0,5  $\mu\text{m}$



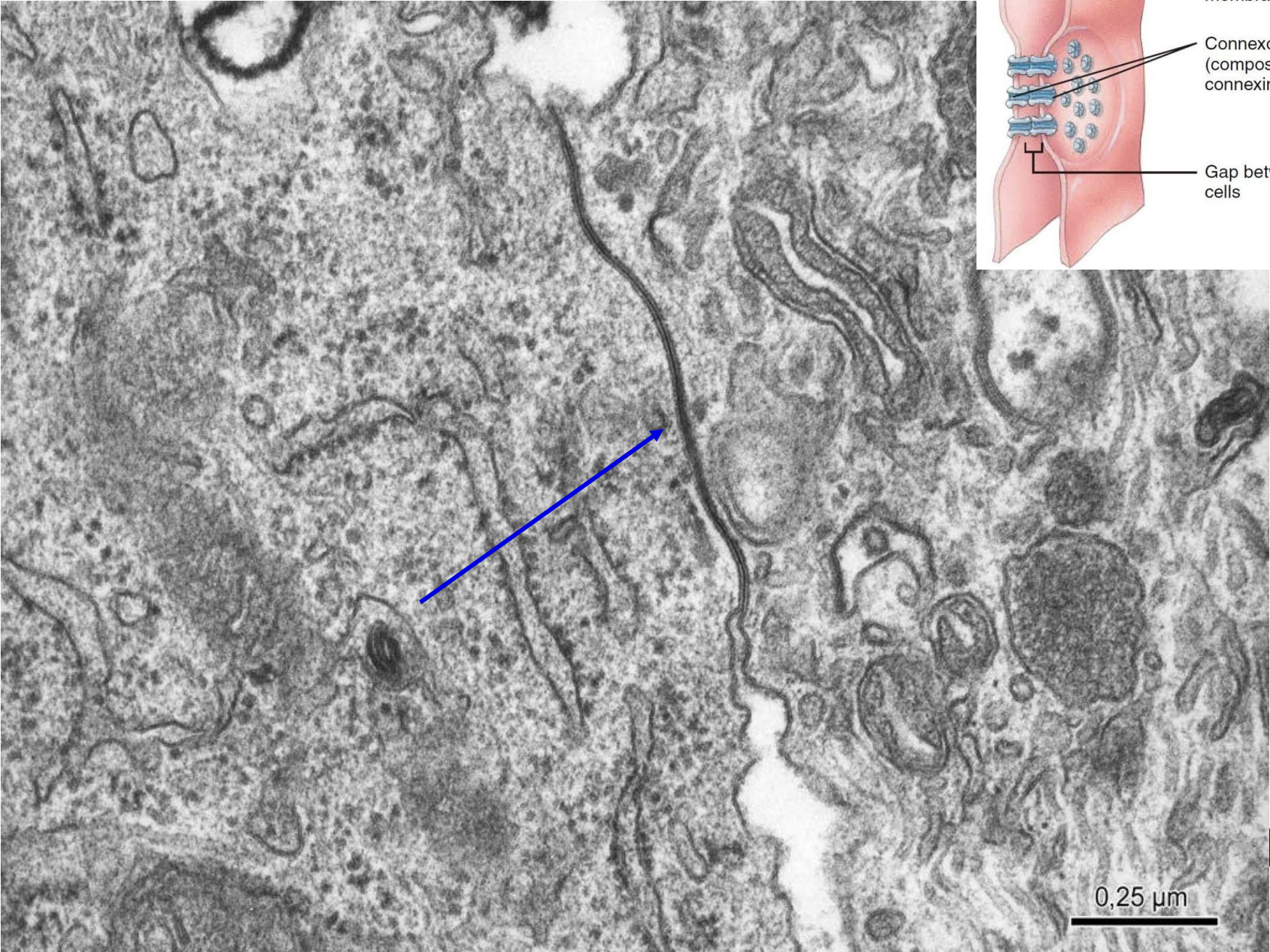
terminální lišta



**desmosomy**

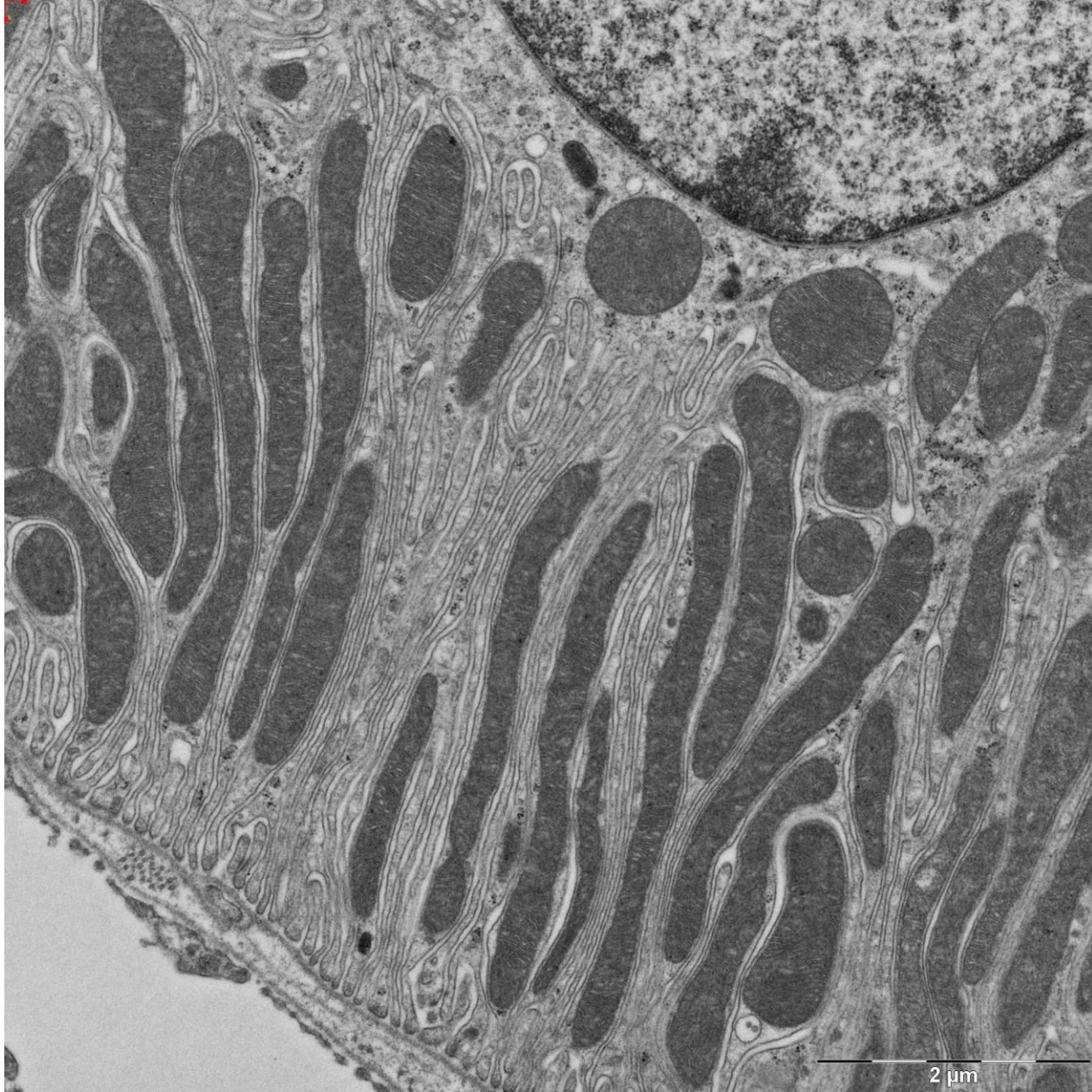


# nexus



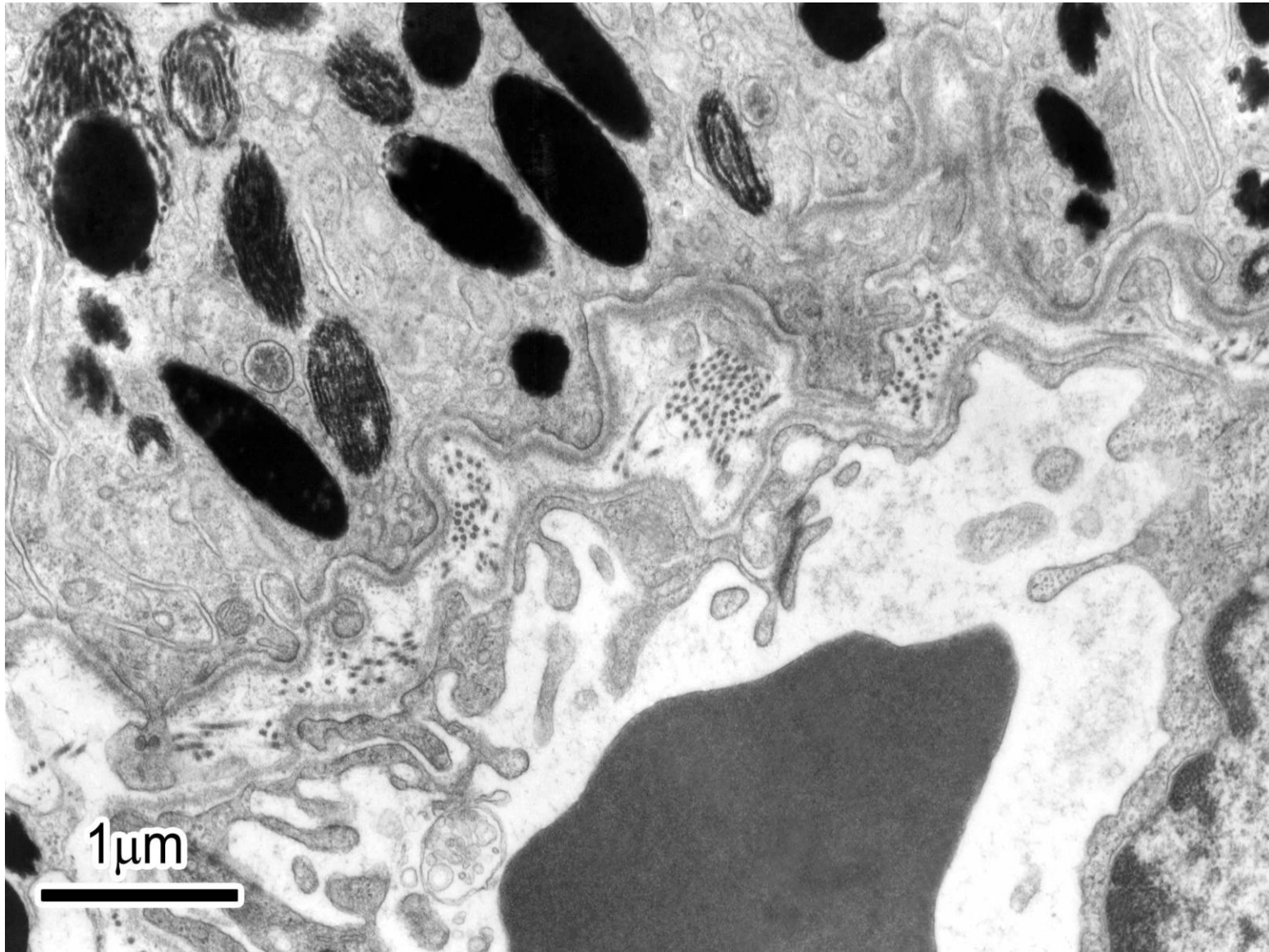
# bazální labyrint

– invaginace membrány + mitochondrie



# bazální membrána

- *lamina basalis – lamina lucida + lamina densa*
- *lamina fibroreticularis*





# CYTOLOGIE II

- cytoskelet
  - aktinová filamenta
  - intermediární filamenta
  - mikrotubuly
- centriol
- buněčné inkluze
  - glykogen ( $\alpha$ - a  $\beta$ - granula)
  - lipidové kapky
- buněčné povrchy
- mikroklky
- kinocilie
- terminální lišta
- desmosom
- nexus
- basální labyrint
- basální membrána

<b>MUNI MED</b> Ústav histologie a embryologie		Protokol č.	
Téma cvičení:		Studijní skupina:	
UČO/Jméno:		Datum:	
Obor/Ročník:			
<u>Seznam preparátů ke studiu (Box):</u>		<u>Seznam elektronogramů (Atlas)</u>	
Číslo	název a barvení	Číslo	název elektronogramu
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Atlas: strany **12-27**

Web: [https://is.muni.cz/do/rect/el/estud/lf/js18/histologie\\_atlas/web/atlas\\_OH.html?chapter=0](https://is.muni.cz/do/rect/el/estud/lf/js18/histologie_atlas/web/atlas_OH.html?chapter=0)