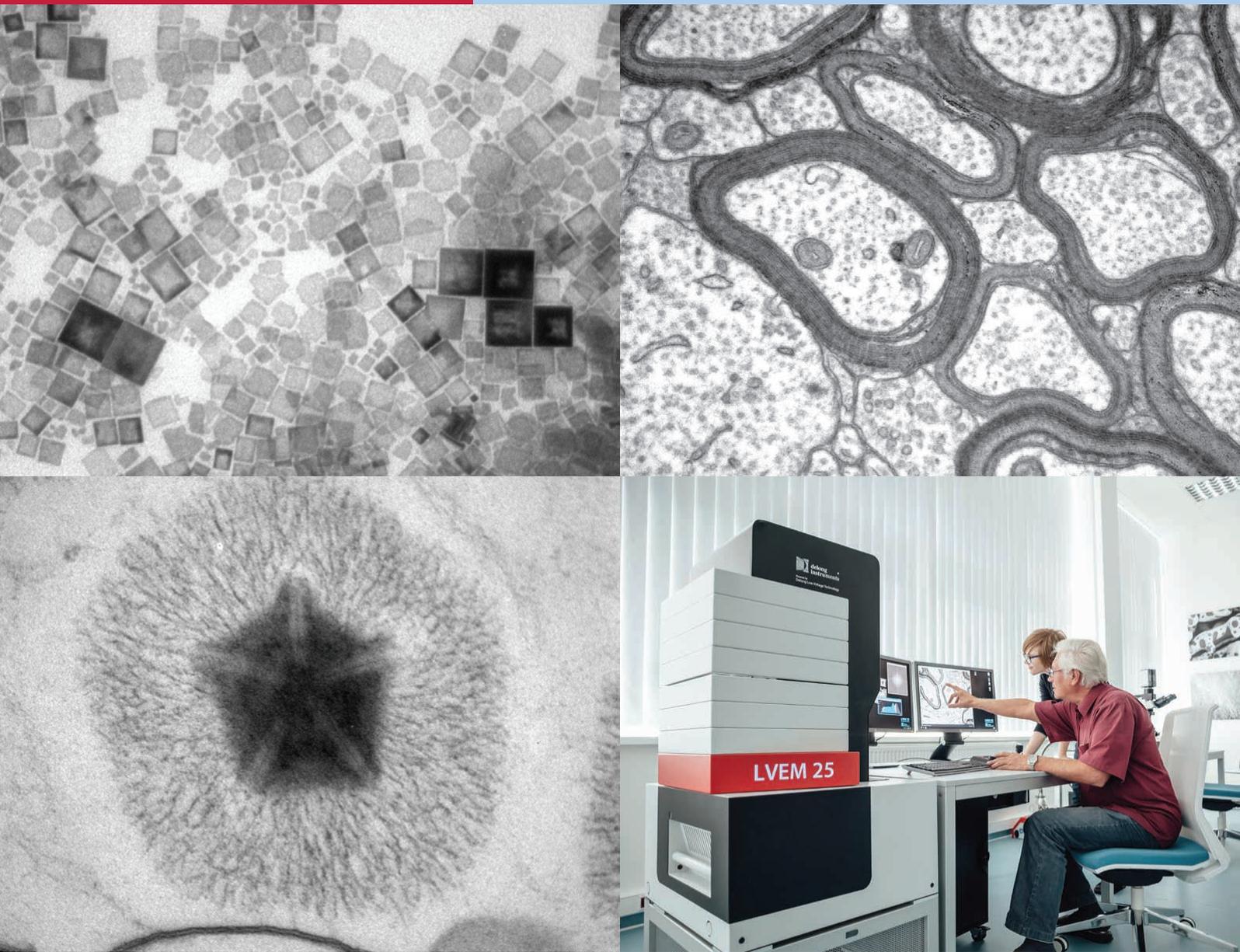
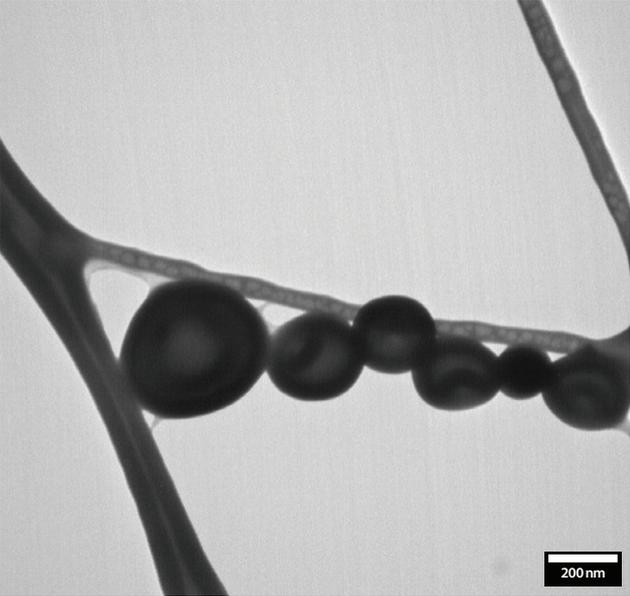


# LVEM 25

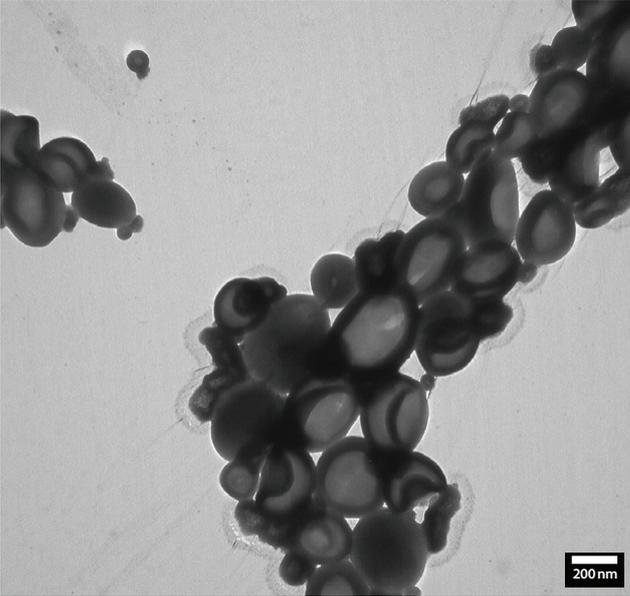
Low Voltage Electron Microscope  
Applications Brochure





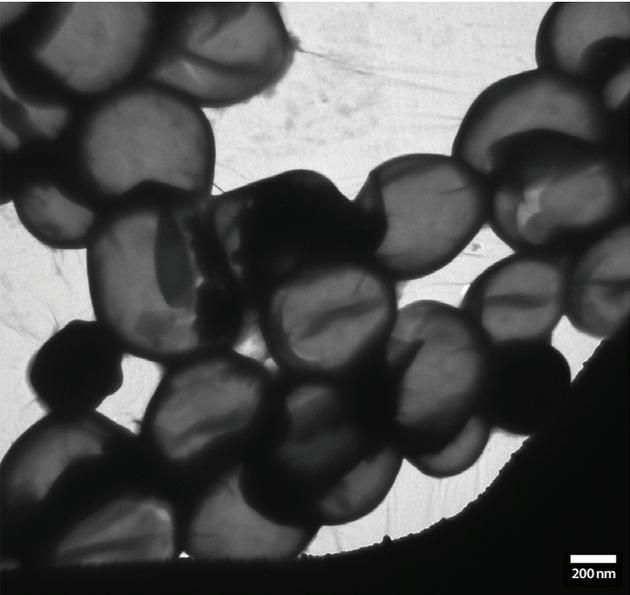
**TEM: Polymer Vesicles**

*Particles on carbon film*



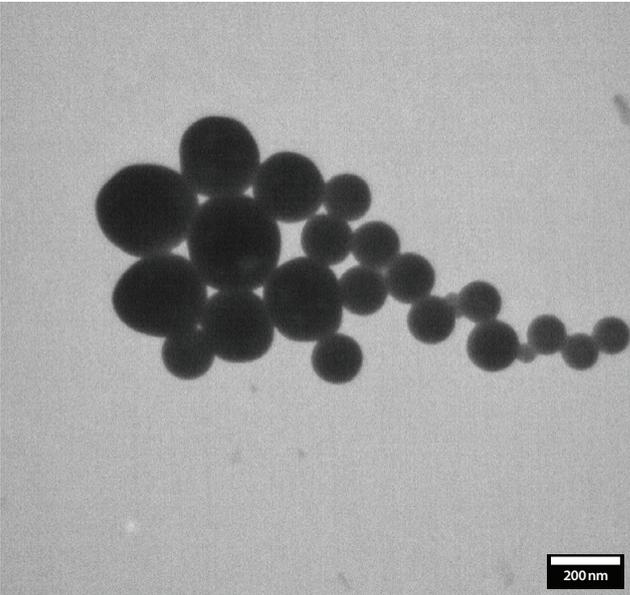
**TEM: Polymer Vesicles**

*Particles on carbon film*



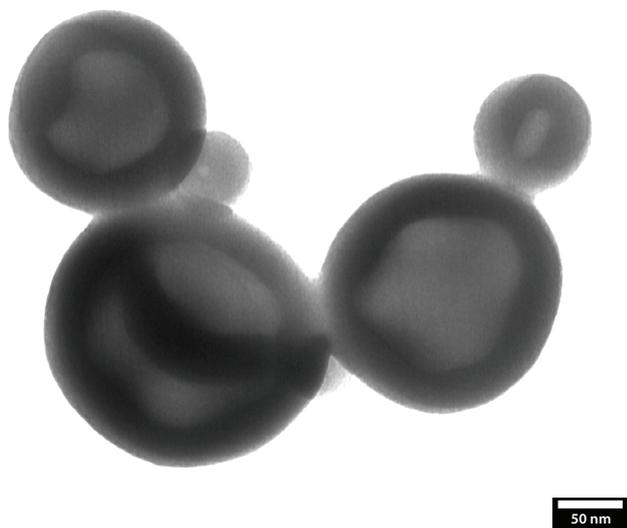
**TEM: Polymer Vesicles**

*Particles on carbon film*



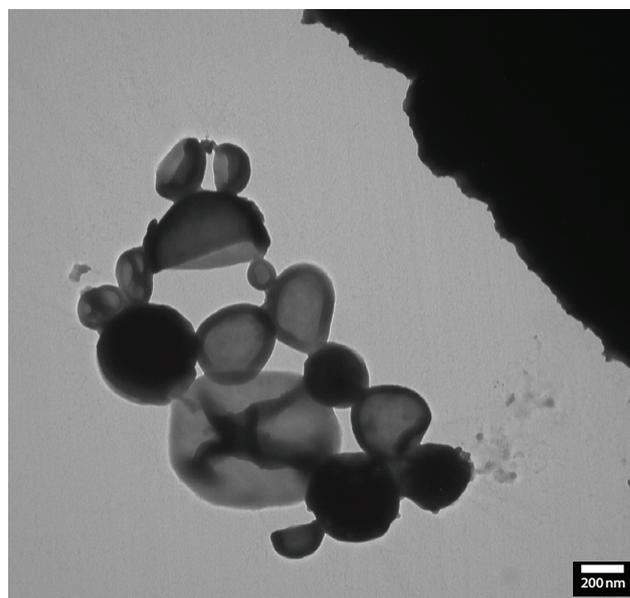
**TEM: Polymer Vesicles**

*Particles on carbon film*



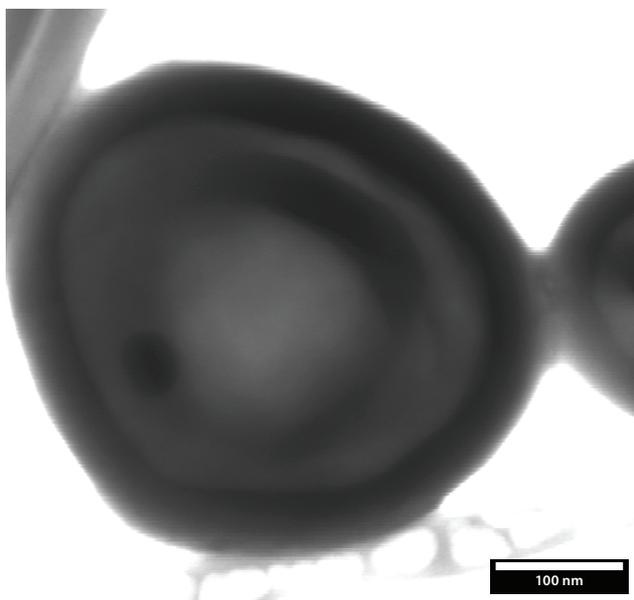
**TEM: Polymer Vesicles**

*Particles on carbon film*



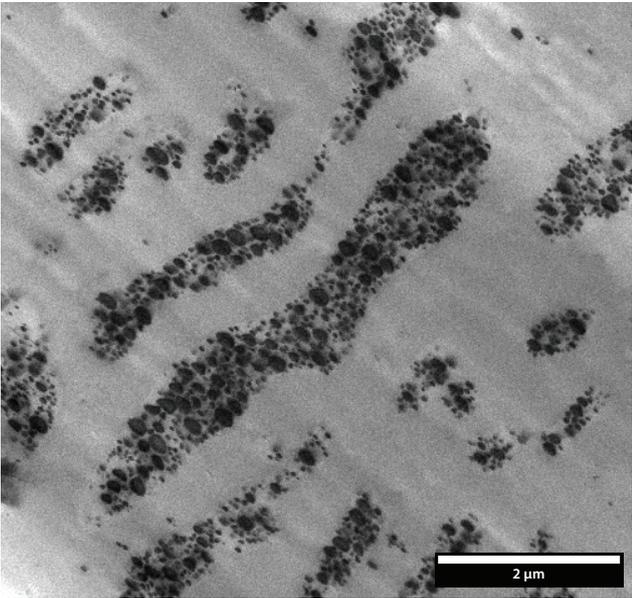
**TEM: Polymer Vesicles**

*Particles on carbon film*



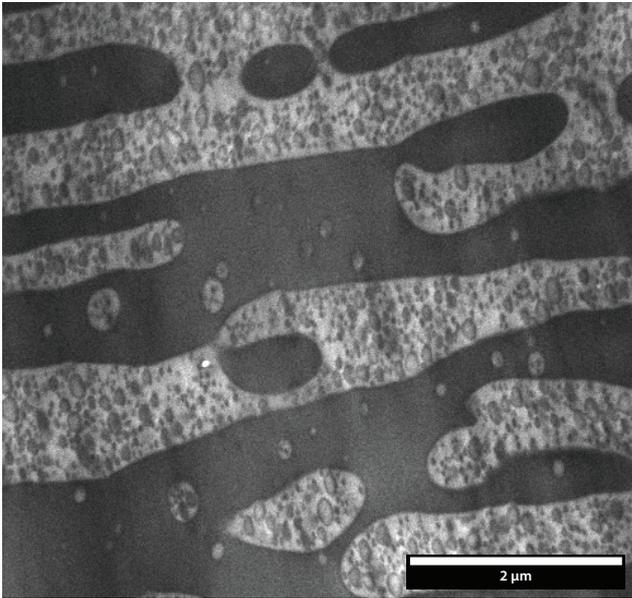
**TEM: Polymer Spheres**

*Particles on carbon film*



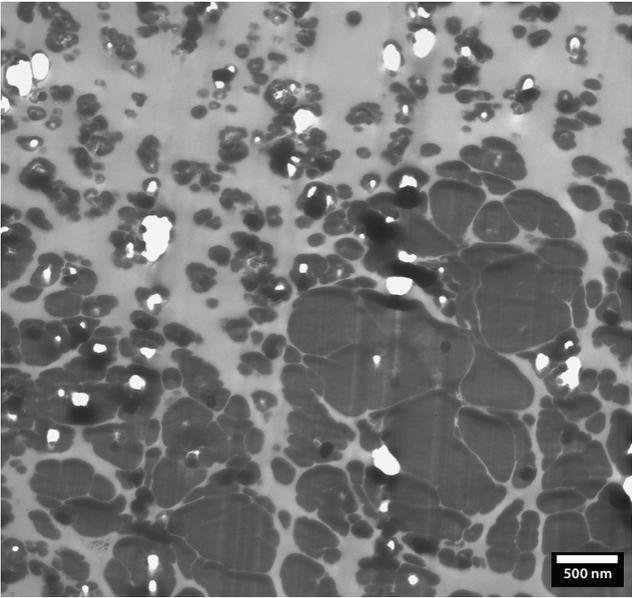
**STEM 10kV: Copolymer**

*Stained section*  
Single stained polymer



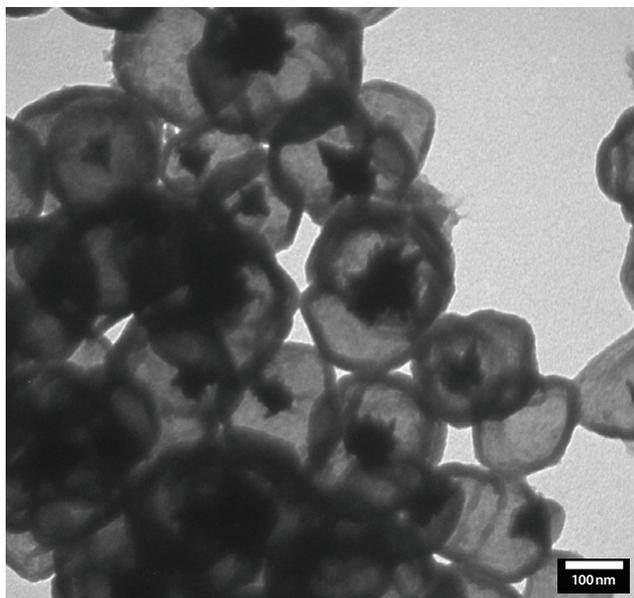
**STEM 10kV: Copolymer**

*Stained section*  
Double stained polymer



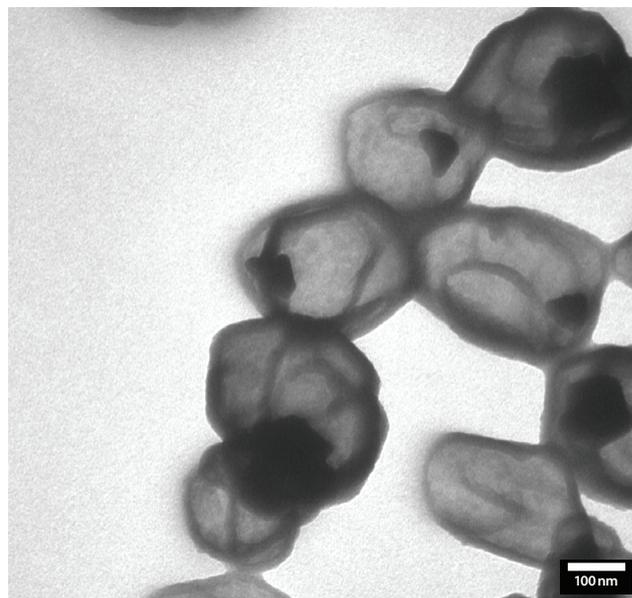
**TEM: Microtomed Rubber**

*Unstained section*  
Polymer section



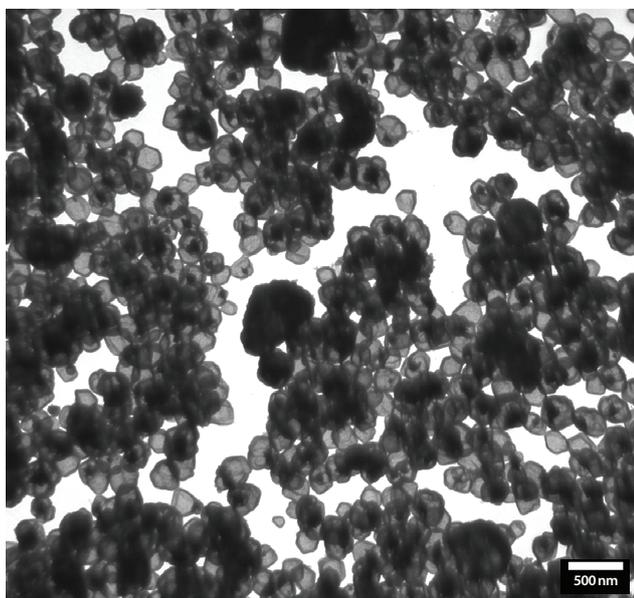
## TEM: Covalent Organic Frameworks

*Particles on carbon film*



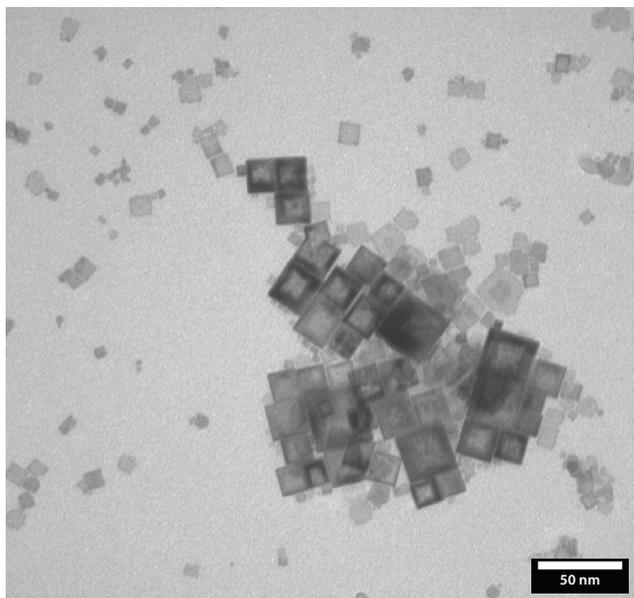
## TEM: Covalent Organic Frameworks

*Particles on carbon film*



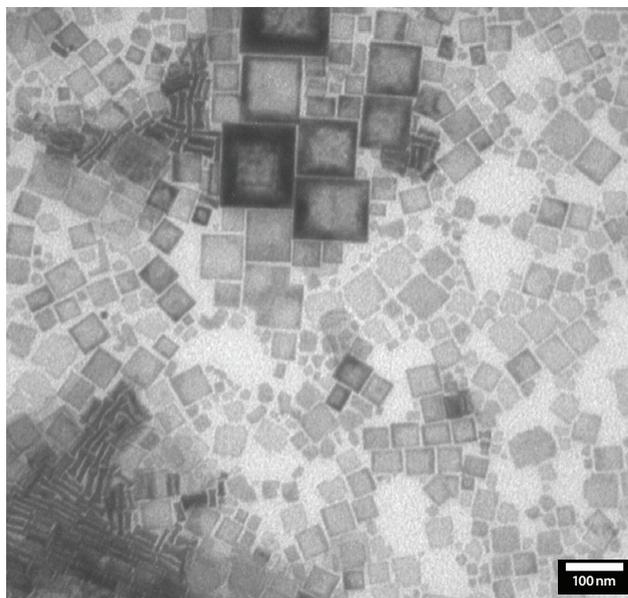
## TEM: Covalent Organic Frameworks

*Particles on carbon film*



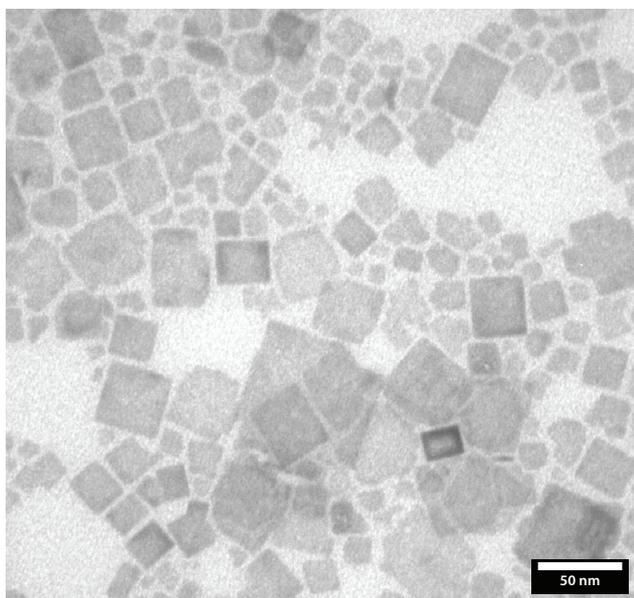
**TEM: Metal Organic Framework**

*Particles on carbon film*



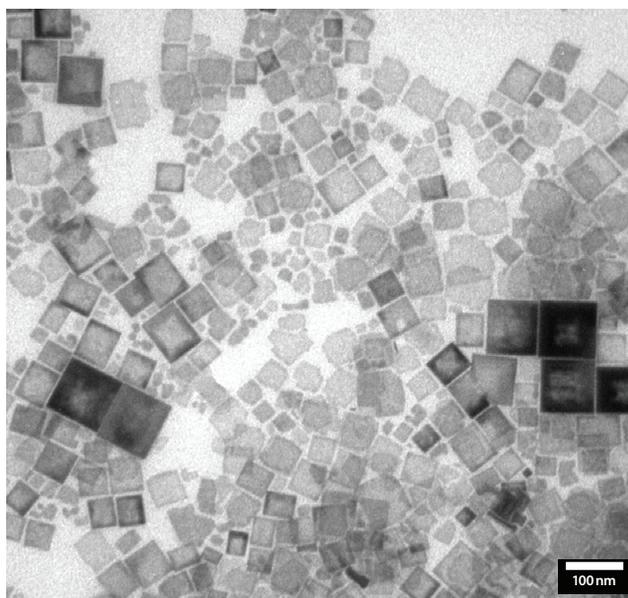
**TEM: Metal Organic Framework**

*Particles on carbon film*



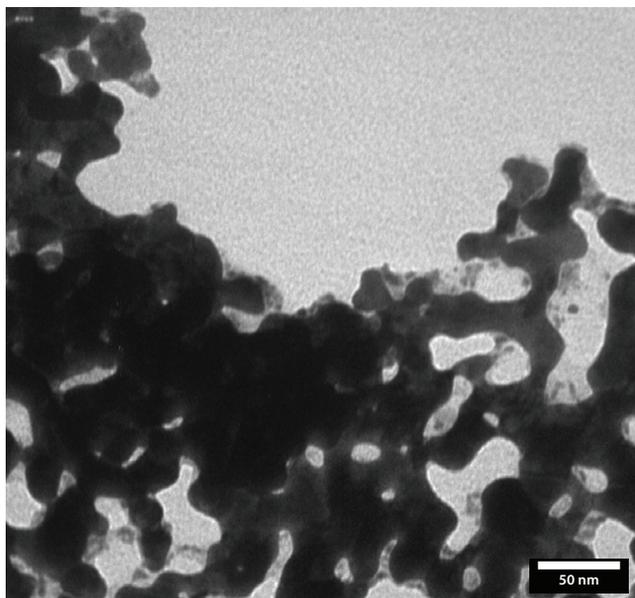
**TEM: Metal Organic Framework**

*Particles on carbon film*



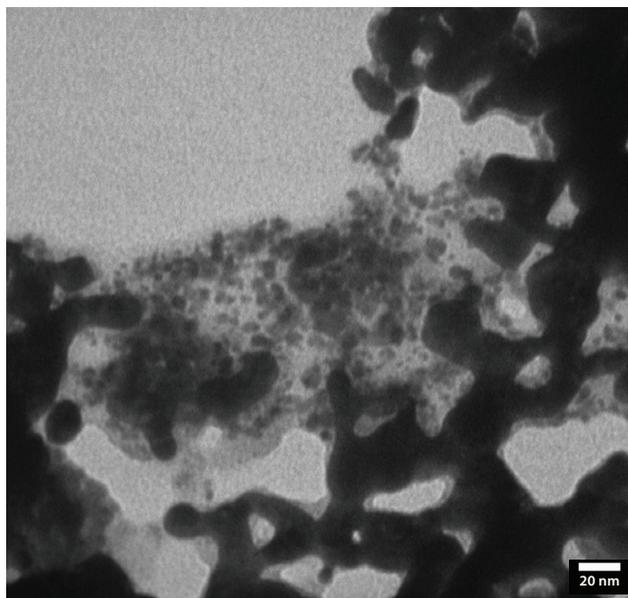
**TEM: Metal Organic Framework**

*Particles on carbon film*



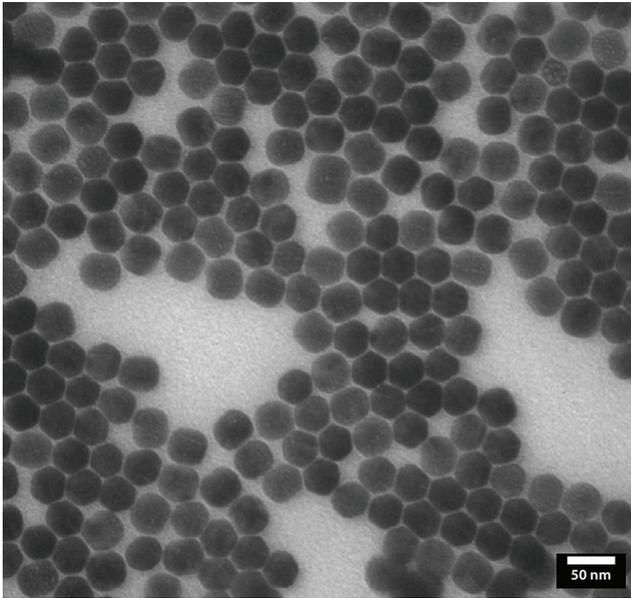
**TEM: FAPbBr<sub>3</sub>/Bi<sub>2</sub>WO<sub>6</sub>  
Hybrid Material**

*Particles on carbon film*



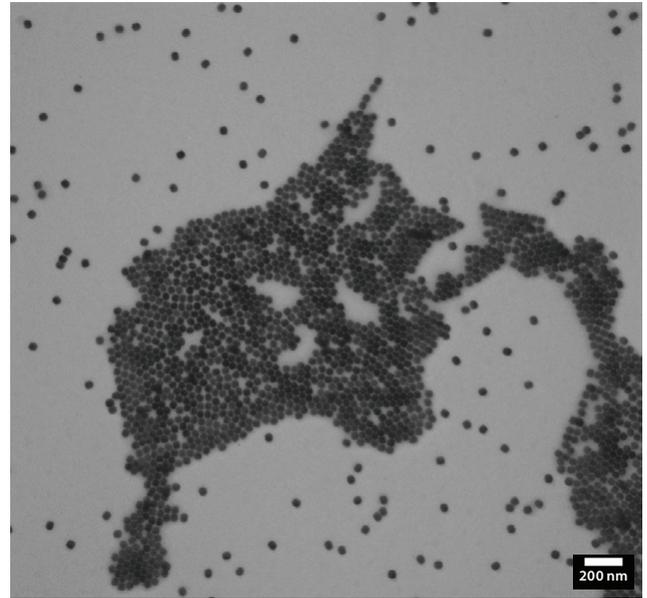
**TEM: FAPbBr<sub>3</sub>/Bi<sub>2</sub>WO<sub>6</sub>  
Hybrid Material**

*Particles on carbon film*



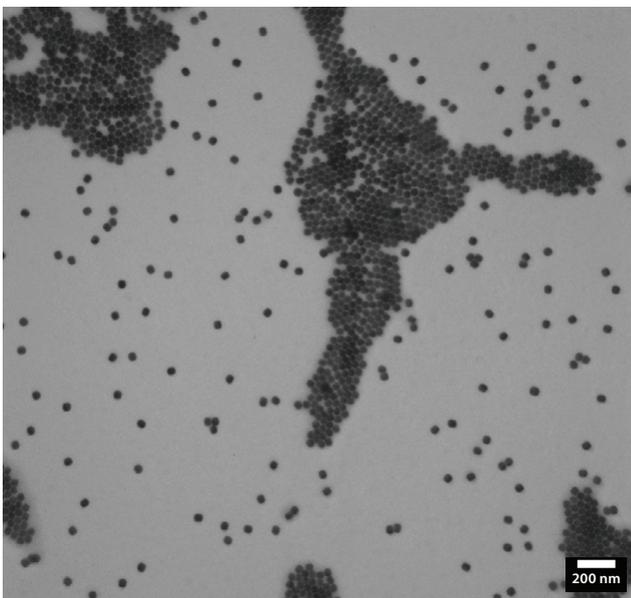
**TEM: Earth Metal Nanoparticle**

*Particles on carbon film*



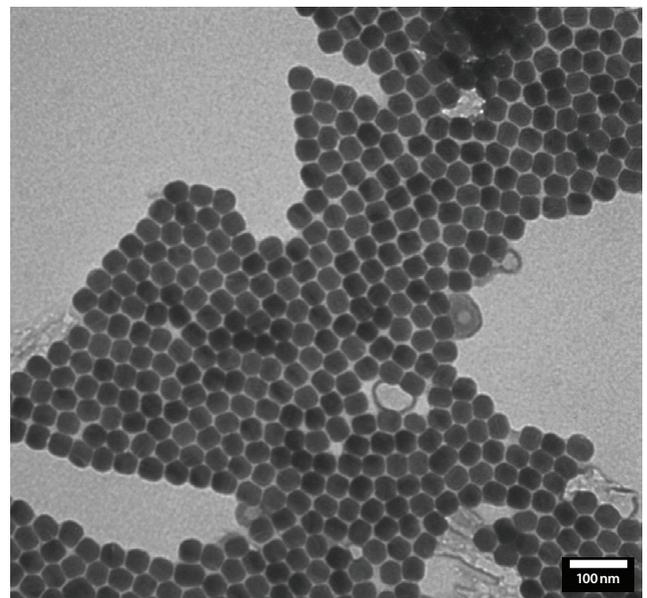
**TEM: Earth Metal Nanoparticle**

*Particles on carbon film*



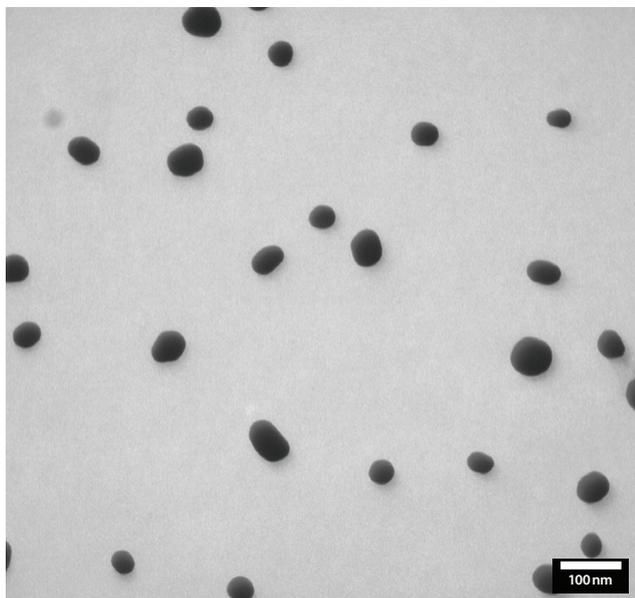
**TEM: Earth Metal Nanoparticle**

*Particles on carbon film*



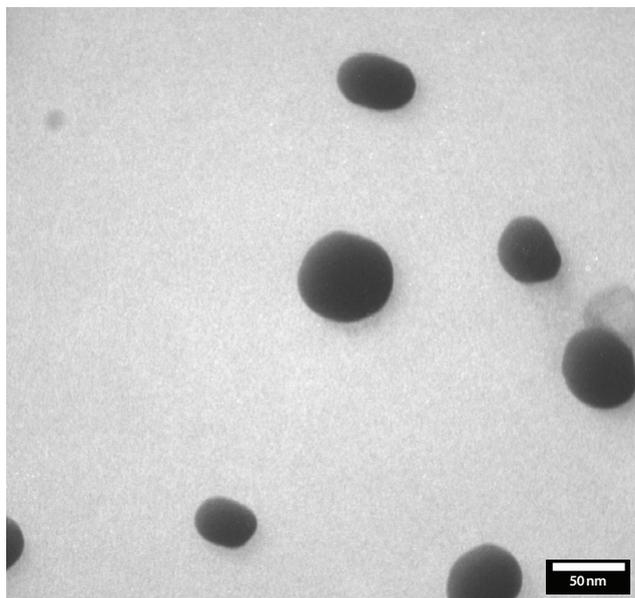
**TEM: Earth Metal Nanoparticle**

*Particles on carbon film*



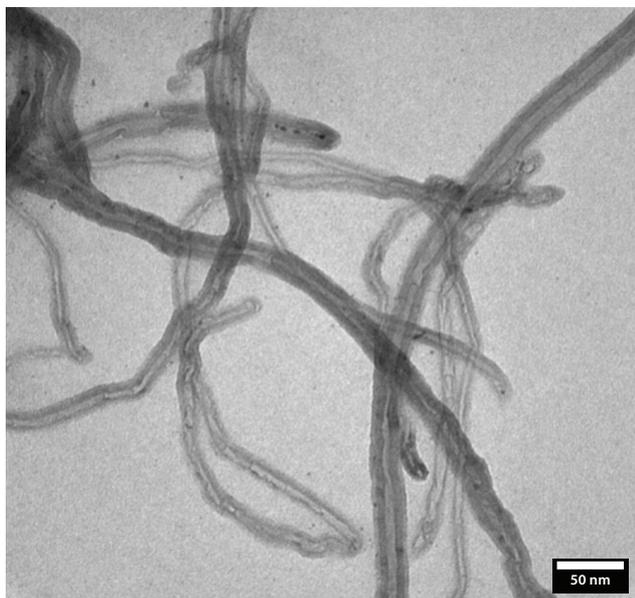
**TEM: Au Nanoparticles**

*Particles on carbon film*



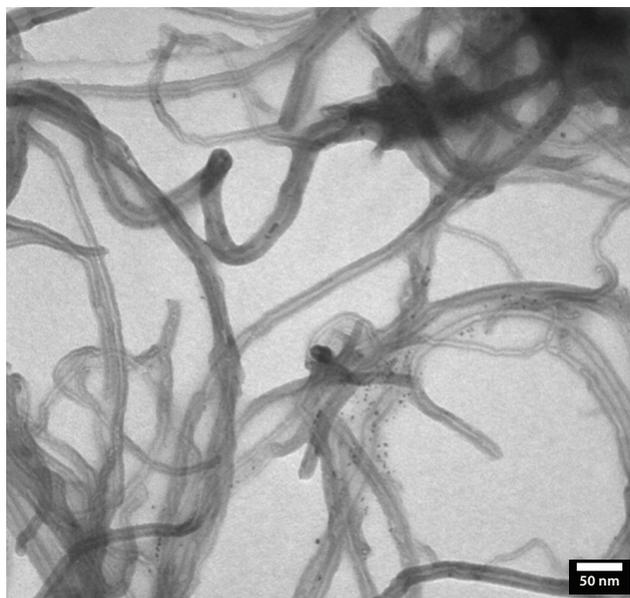
**TEM: Au Nanoparticles**

*Particles on carbon film*



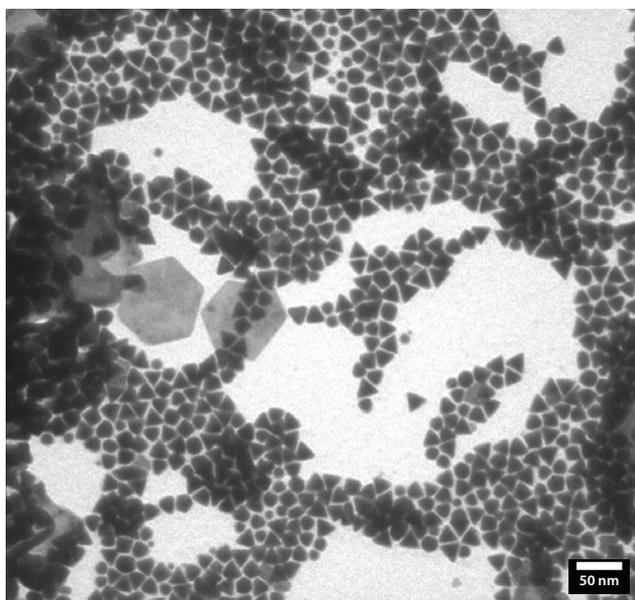
**TEM: Pt Nanoparticles with CNT**

*Particles on carbon film*



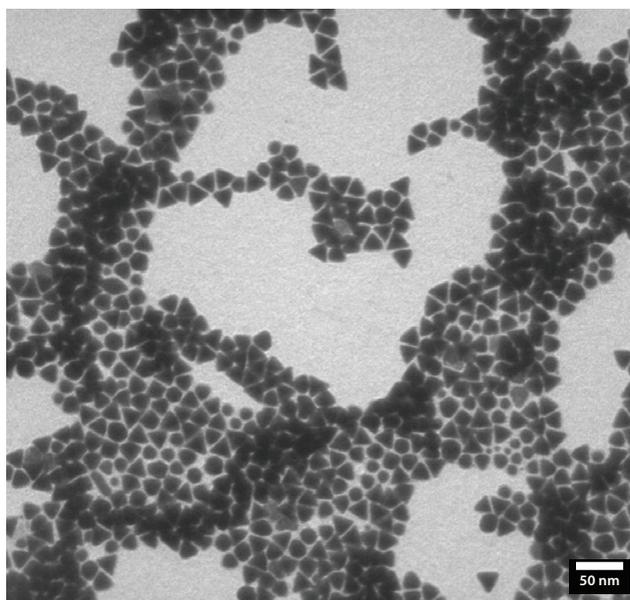
**TEM: Pt Nanoparticles with CNT**

*Particles on carbon film*



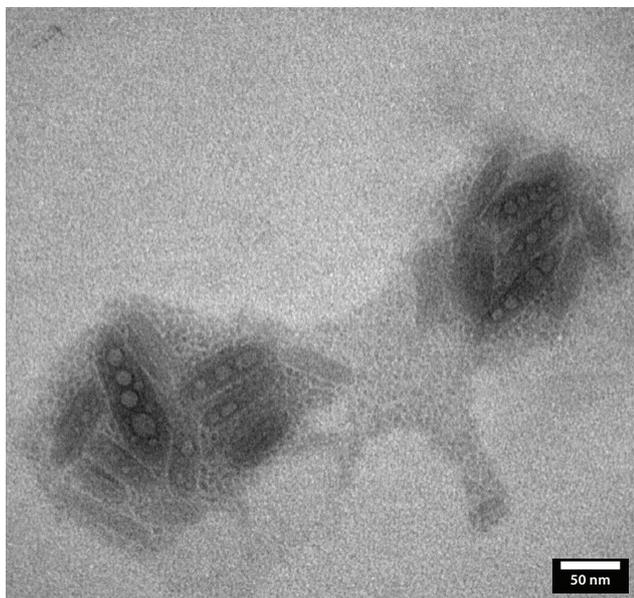
**TEM: Pd Nanoparticles**

*Particles on carbon film*



**TEM: Pd Nanoparticles**

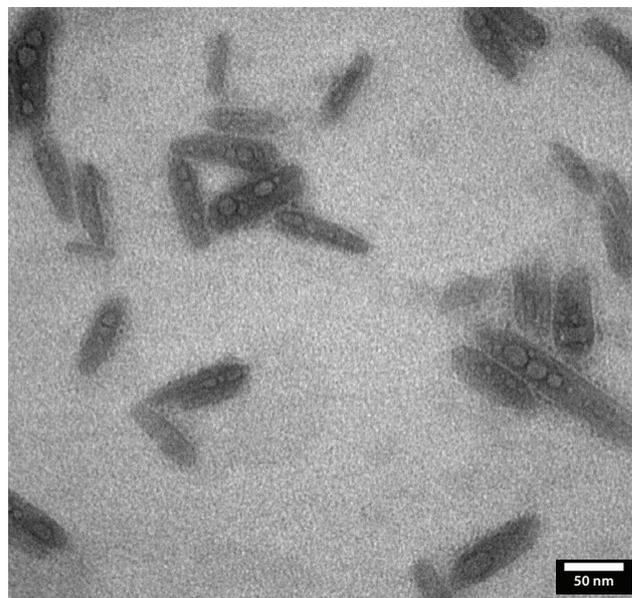
*Particles on carbon film*



## TEM: AMN and ACC Particles

*Particles on carbon film*

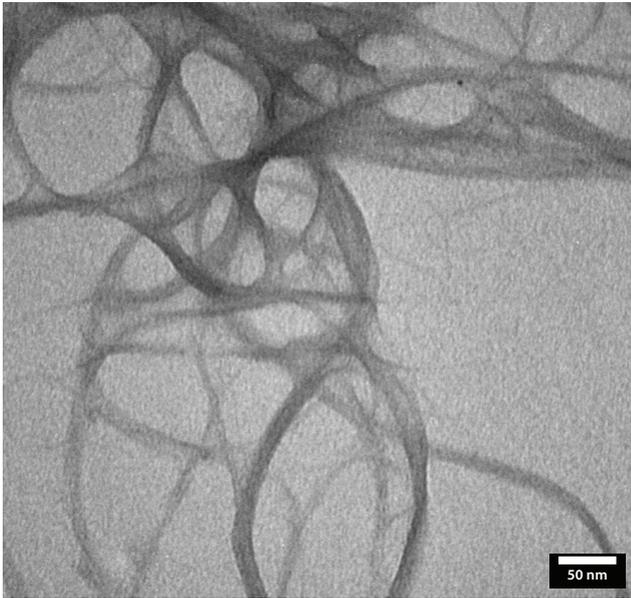
Colloidally stabilized amorphous magnesium carbonate and calcium carbonate particles



## TEM: AMN and ACC Particles

*Particles on carbon film*

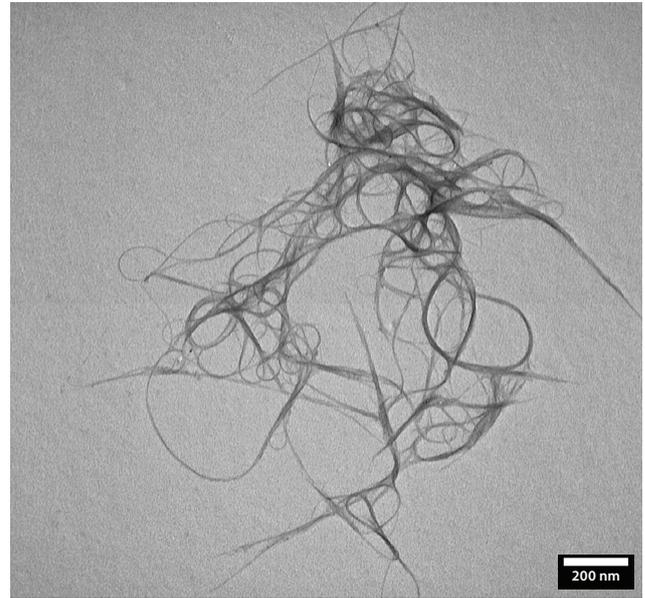
Colloidally stabilized amorphous magnesium carbonate and calcium carbonate particles



## TEM: Nanotubes (SWCNT)

*Particles on carbon film*

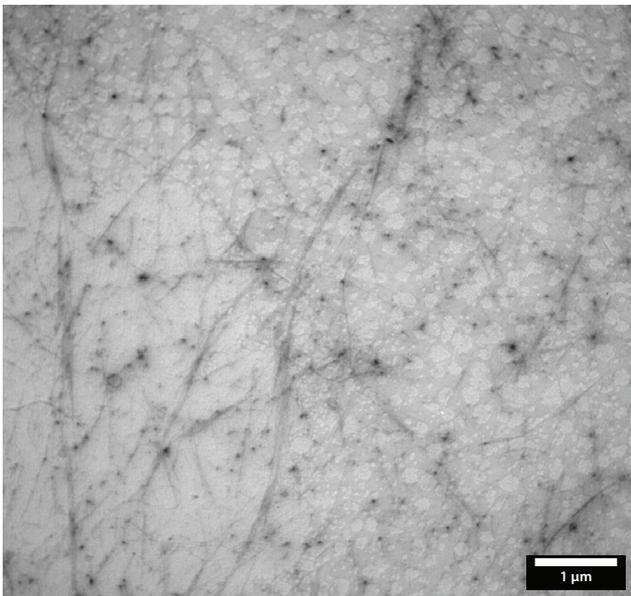
Single-wall carbon nanotubes



## TEM: Nanotubes (SWCNT)

*Particles on carbon film*

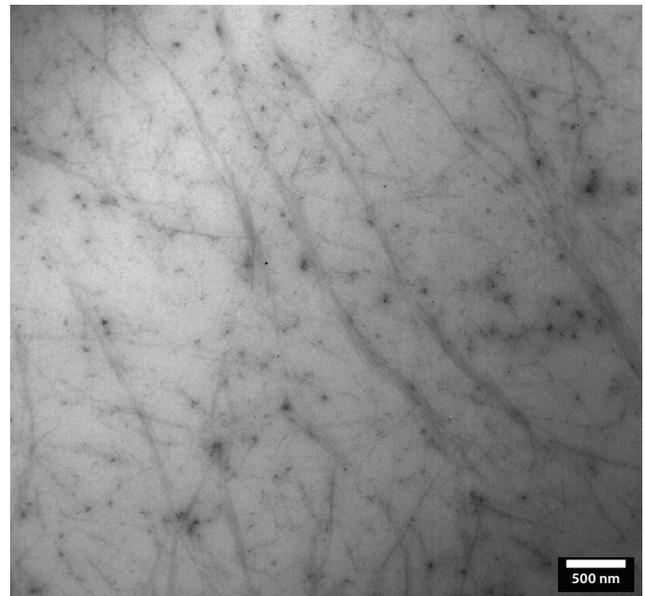
Single-wall carbon nanotubes



## TEM: Nanotubes (SWCNT)

*Particles on carbon film*

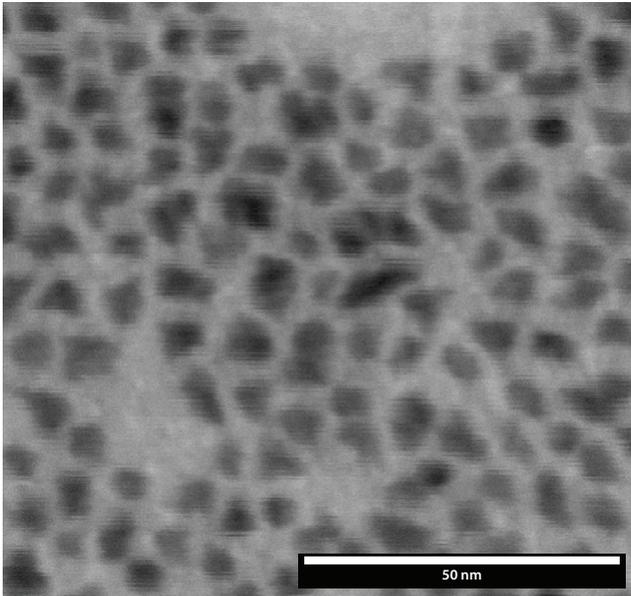
Single-wall carbon nanotubes



## TEM: Nanotubes (SWCNT)

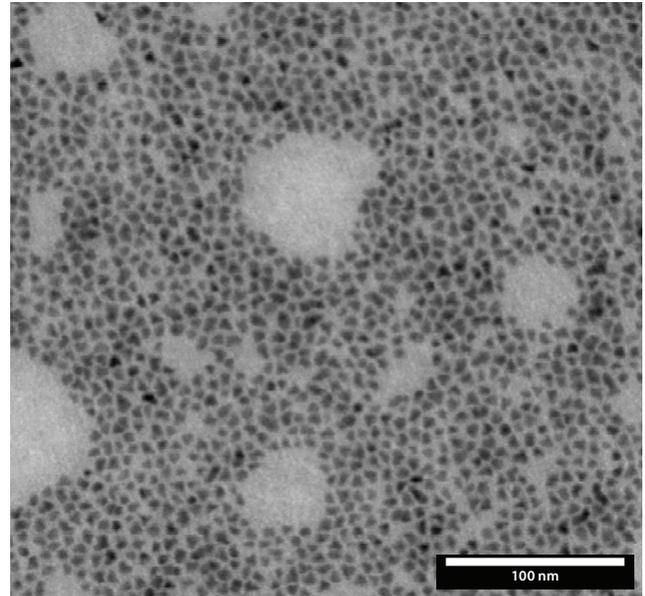
*Particles on carbon film*

Single-wall carbon nanotubes



**STEM10keV: 6nm ZnS Qdots**

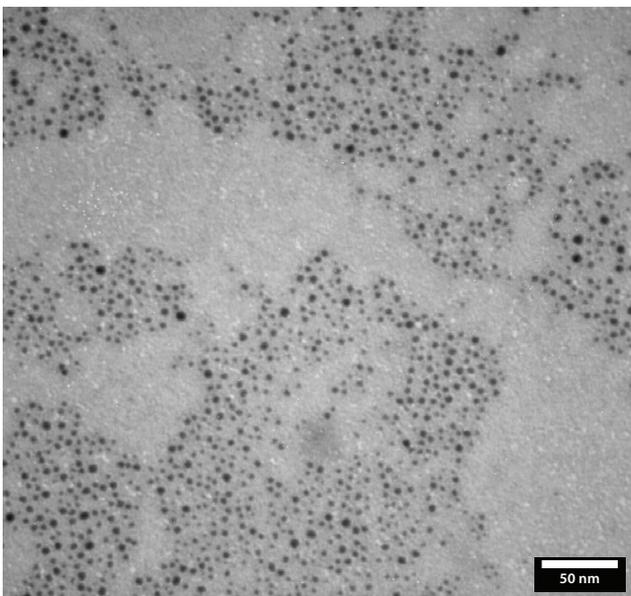
*Particles on carbon film*



**STEM10keV: 6nm ZnS Qdots**

*Particles on carbon film*

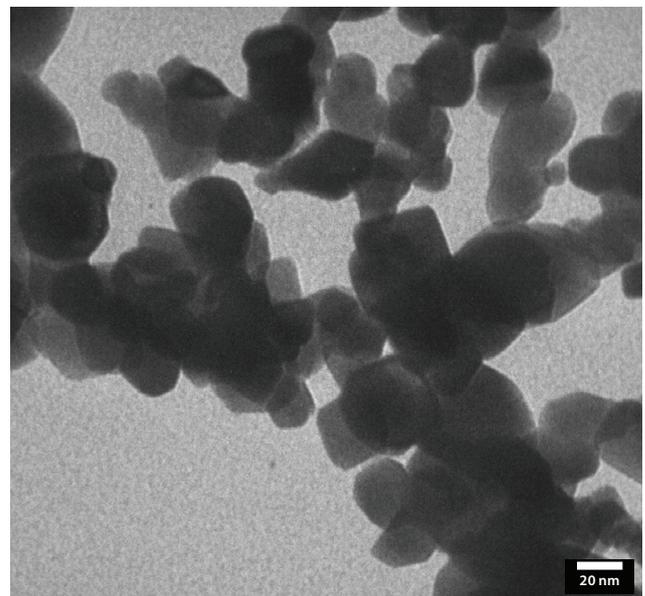
#136 C1, C2 a 11



**TEM: Ag Nanoparticles with PVP**

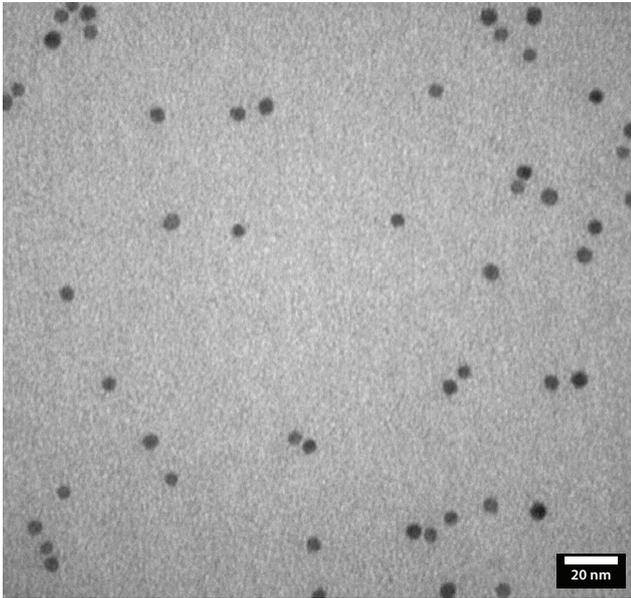
*Particles on carbon film*

PVP coated silver nanoparticles



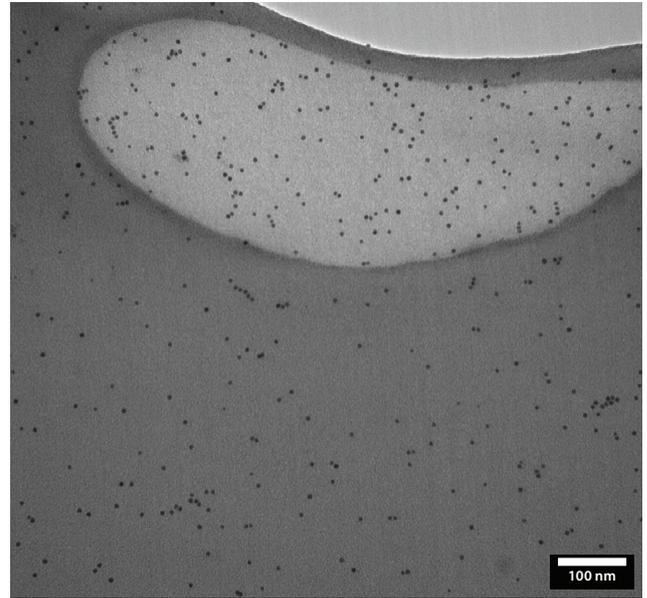
**TEM: TiO<sub>2</sub> Nanoparticles**

*Particles on carbon film*



**TEM: Fe<sub>3</sub>O<sub>4</sub> Nanoparticles**

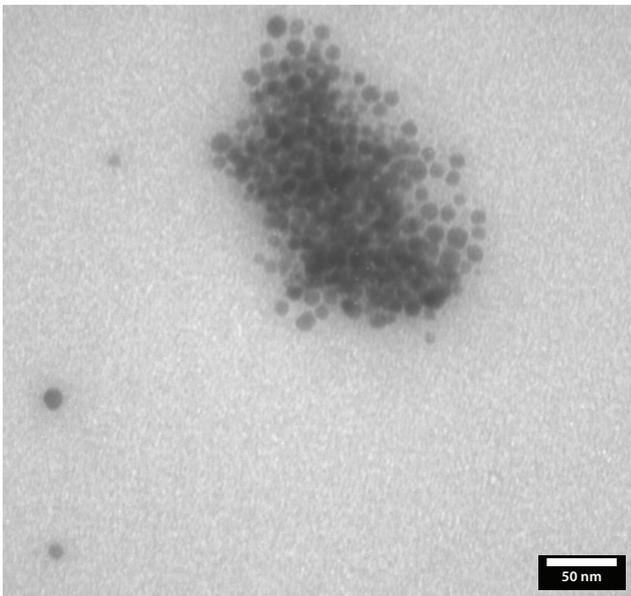
*Particles on carbon film*



**TEM: Fe<sub>3</sub>O<sub>4</sub> Nanoparticles**

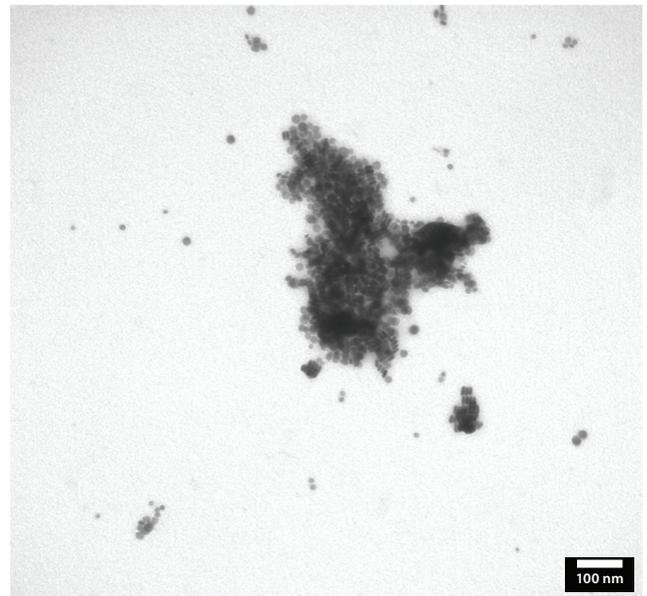
*Particles on carbon film*

#109



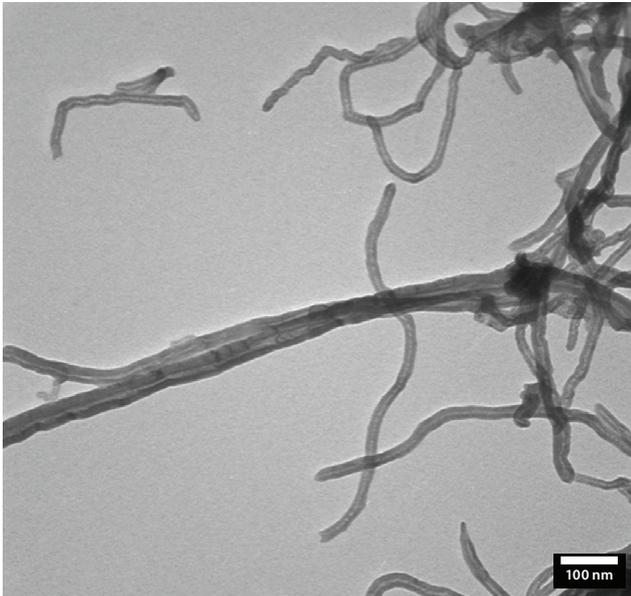
**TEM: Semiconducting Nanoparticles**

*Particles on carbon film*



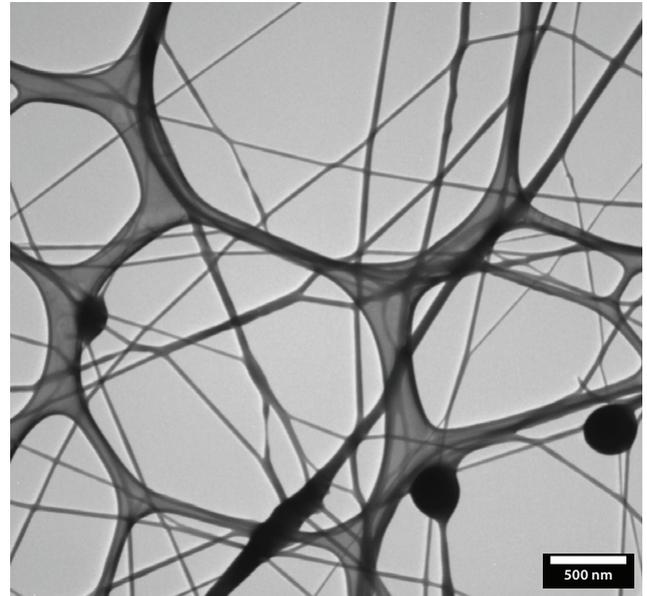
**TEM: Semiconducting Nanoparticles**

*Particles on carbon film*



## TEM: Nanotubes (MWCNT)

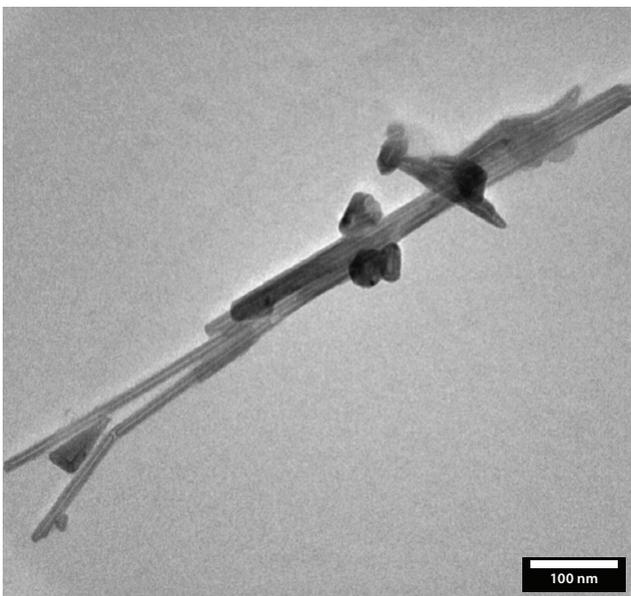
*Particles on carbon film*  
Multi-wall carbon nanotubes



## TEM: Nylon fibres

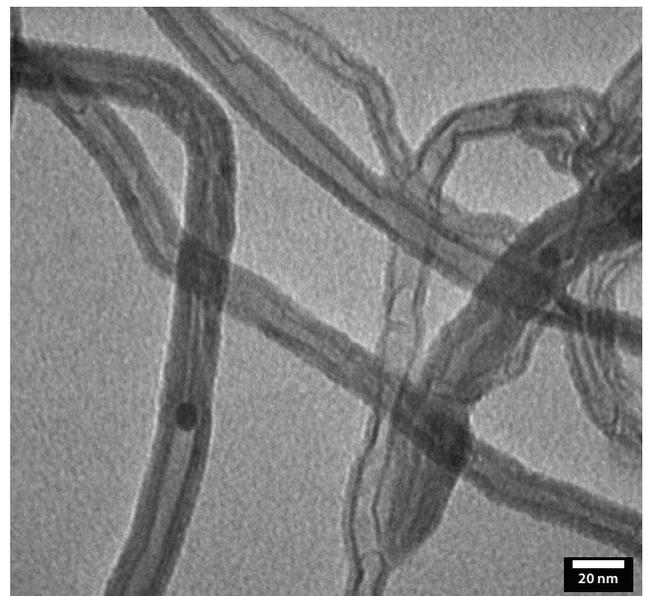
*Particles on carbon film*  
Carbon nanotubes with nylon fibres

#NO NUMBER



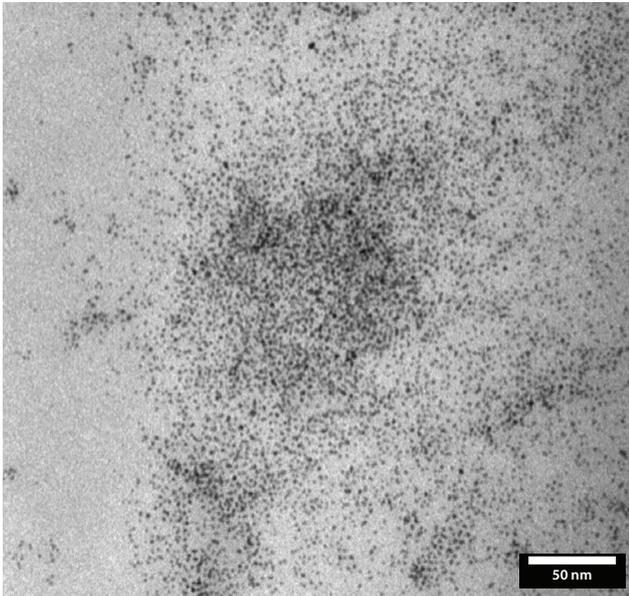
## TEM: Nanotubes (SWCNT)

*Particles on carbon film*  
Single-wall carbon nanotubes



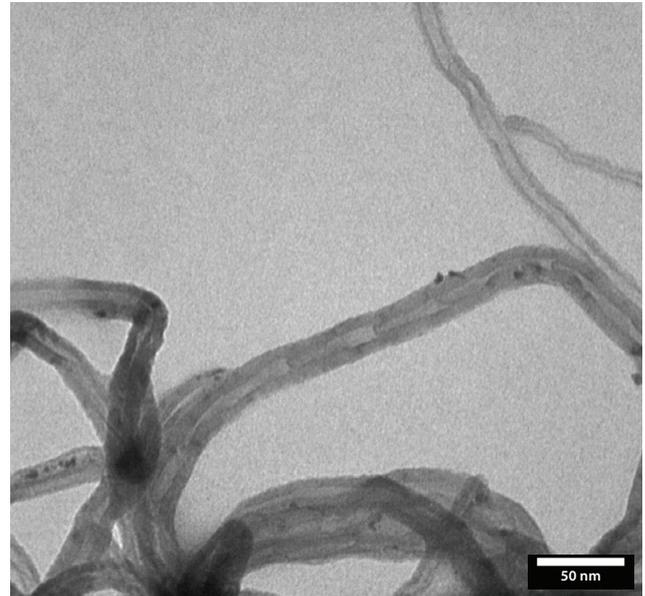
## TEM: Nanotubes (CNT)

*Particles on carbon film*



## TEM: 4 nm Pt Nanoparticles

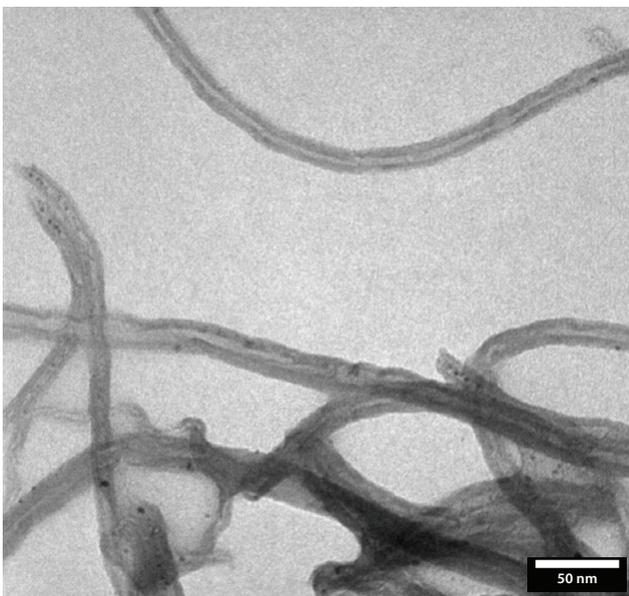
*Particles on carbon film*



## TEM: Pt Nanoparticles with CNT

*Particles on carbon film*

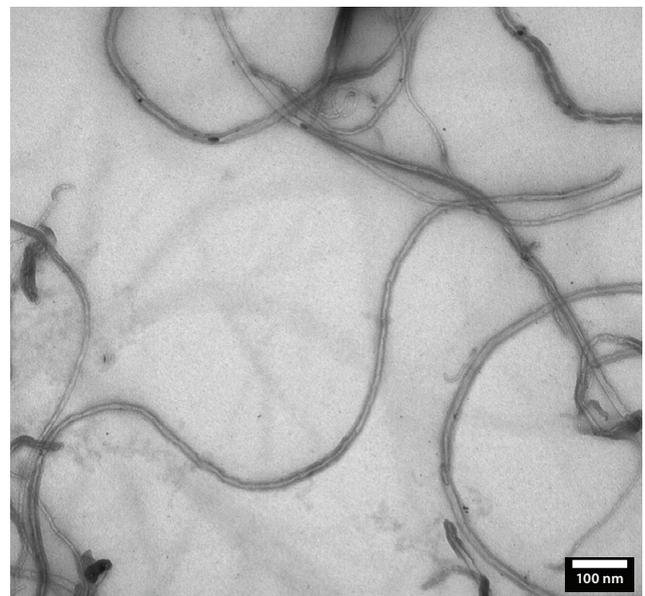
Carbon nanotubes with platinum nanoparticles embedded – particles resolved inside nanotubes



## TEM: Pt Nanoparticles with CNT

*Particles on carbon film*

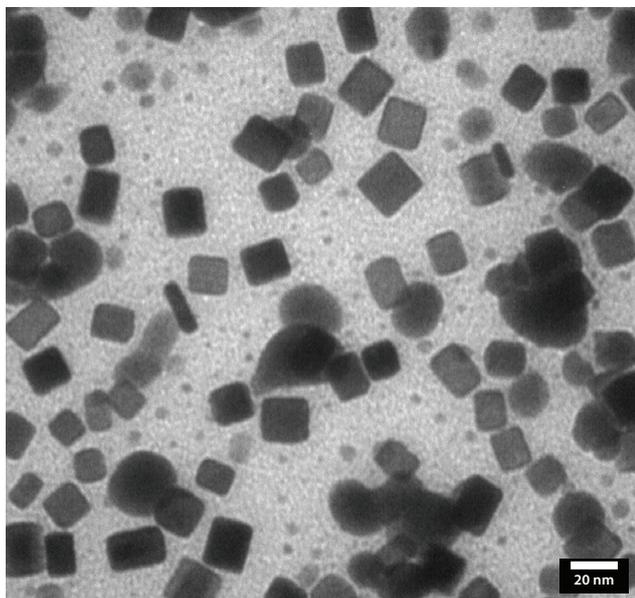
Carbon nanotubes with platinum nanoparticles embedded – particles resolved inside nanotubes



## TEM: Pt Nanoparticles with CNT

*Particles on carbon film*

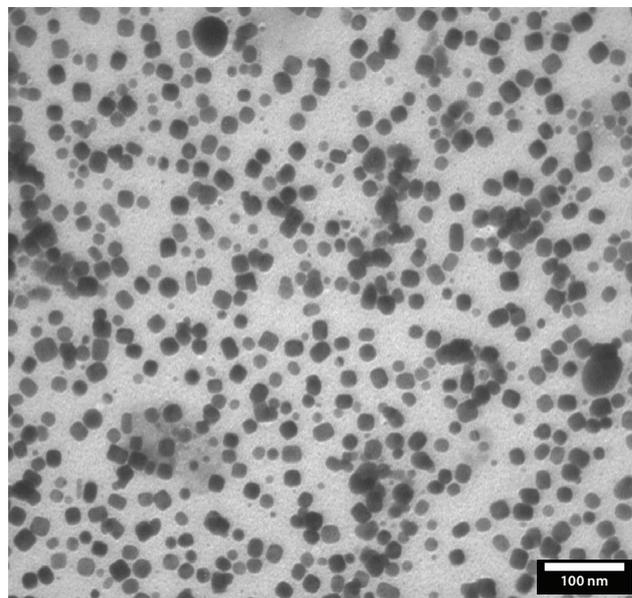
Carbon nanotubes with platinum nanoparticles embedded – particles resolved inside nanotubes



## TEM: Colloidal Pd-Ag

*Particles on carbon film*

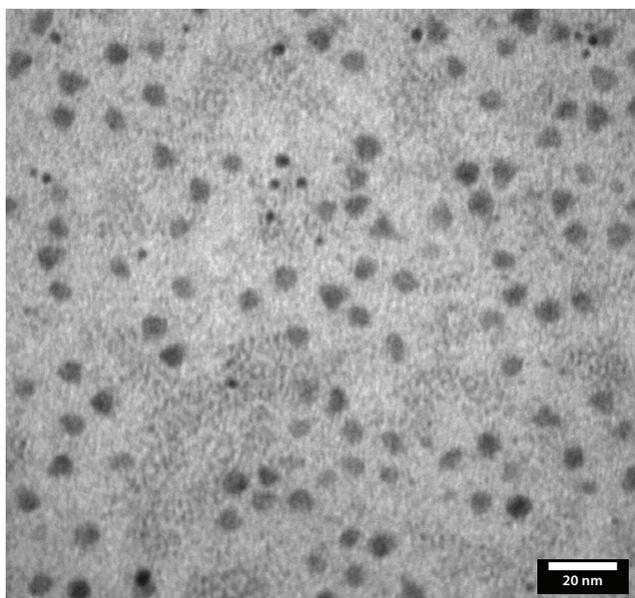
Mixture of colloidal Pd-Ag nanoparticles (1:5)



## TEM: Colloidal Pd-Ag

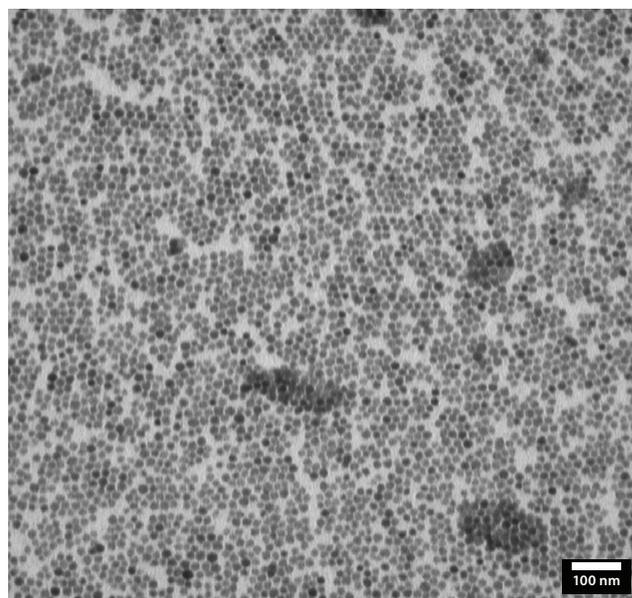
*Particles on carbon film*

Mixture of colloidal Pd-Ag nanoparticles (1:5)



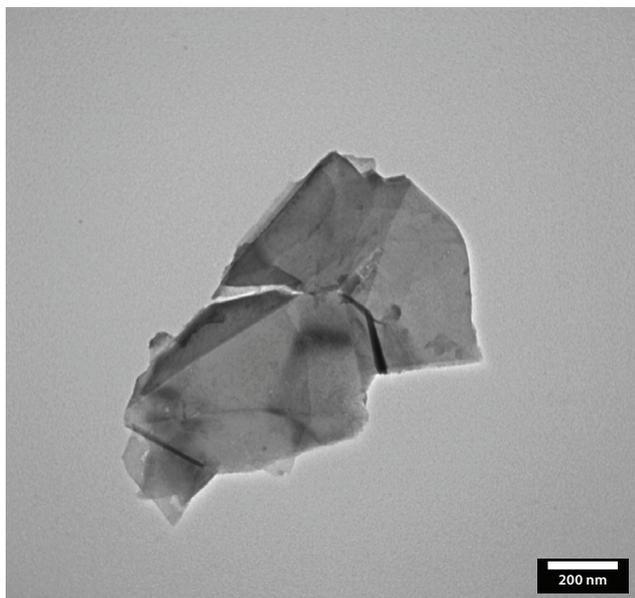
## TEM: Quantum Dots

*Particles on carbon film*



## TEM: 8 nm PbS Nanoparticles

*Particles on carbon film*



**TEM: Graphene Nanoplates**

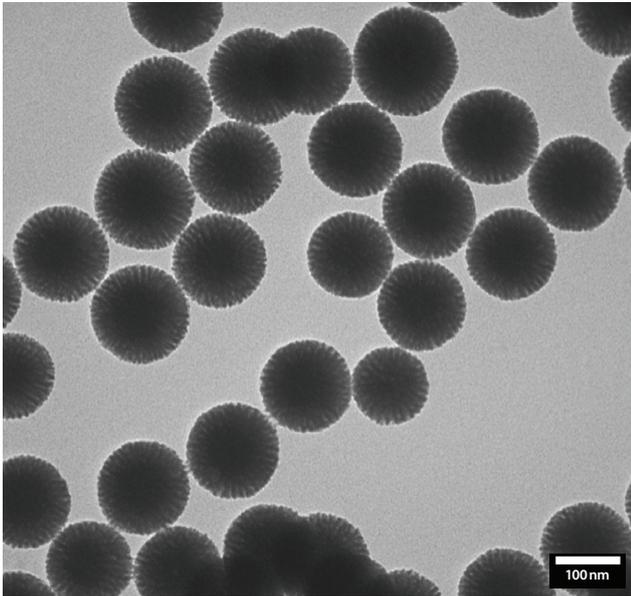
*Particles on carbon film*



**TEM: Graphene Oxide Crystal**

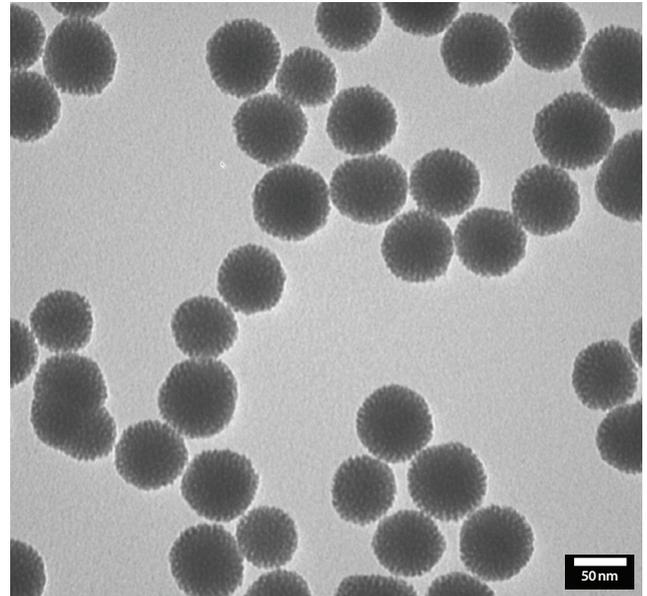
*Particles on carbon film*

Dark field



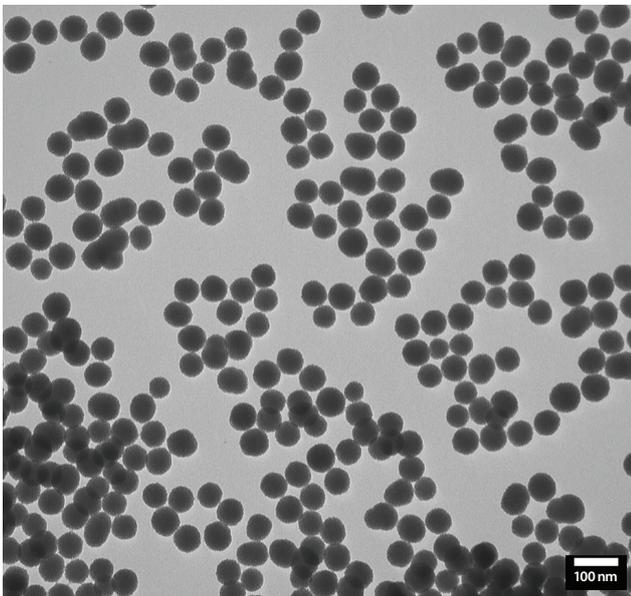
**TEM: Mesoporous Silica**

*Particles on carbon film*



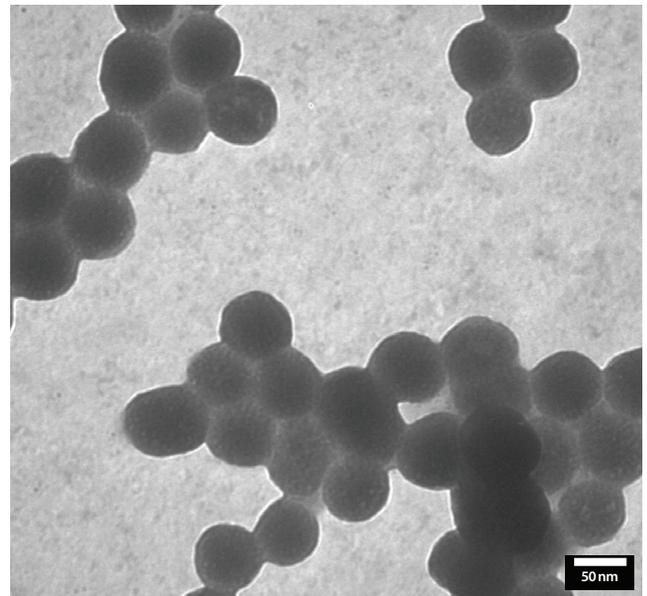
**TEM: Mesoporous Silica**

*Particles on carbon film*



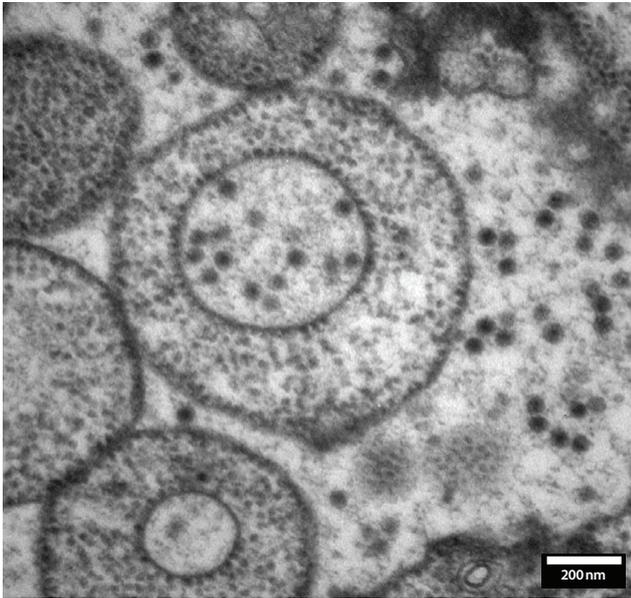
**TEM: Mesoporous Silica**

*Particles on carbon film*



**TEM: Mesoporous Silica**

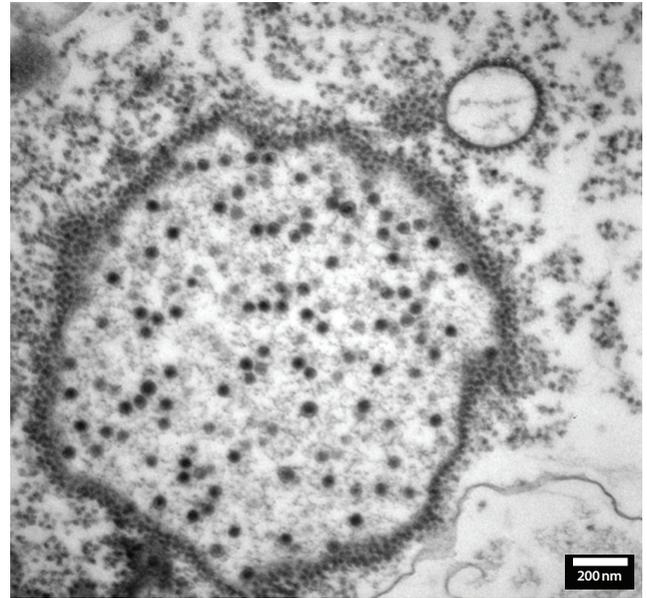
*Particles on carbon film*



**TEM: Portugal Mosquito  
Flavivirus Marim**

*Stained section*

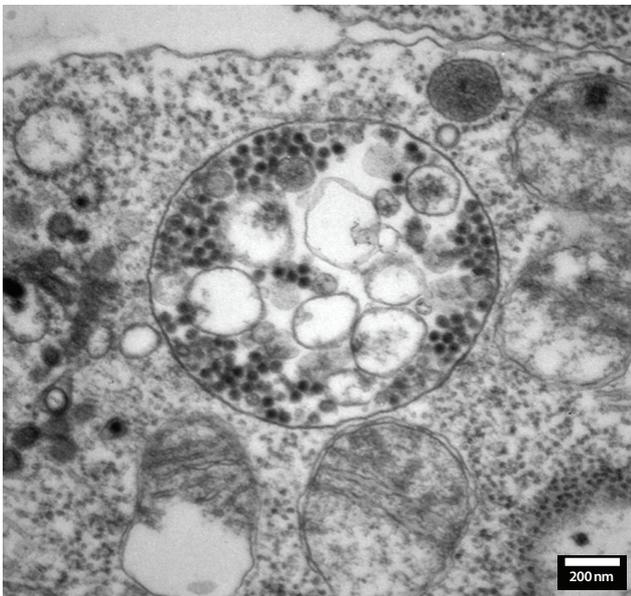
Epon embedded, 70 nm, block contrasted (1% OsO<sub>4</sub> + 2% UAc), poststained (UA-LC), carbon reinforced



**TEM: Portugal Mosquito  
Flavivirus Marim**

*Stained section*

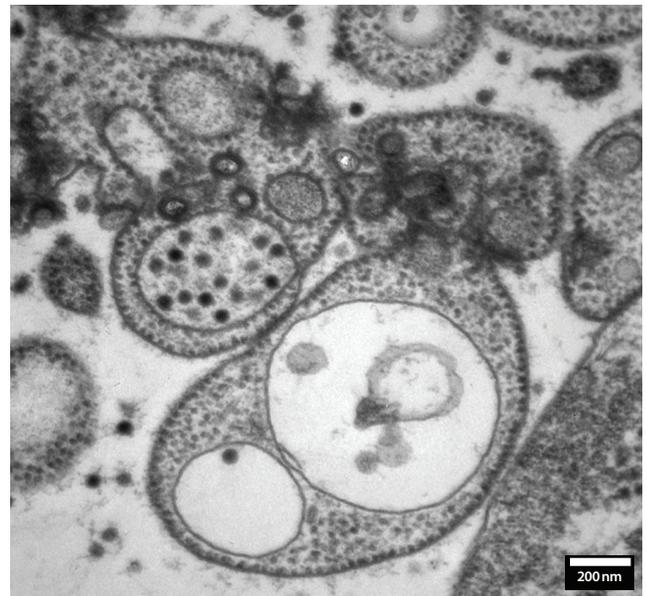
Epon embedded, 70 nm, block contrasted (1% OsO<sub>4</sub> + 2% UAc), poststained (UA-LC), carbon reinforced



**TEM: Portugal Mosquito  
Flavivirus Marim**

*Stained section*

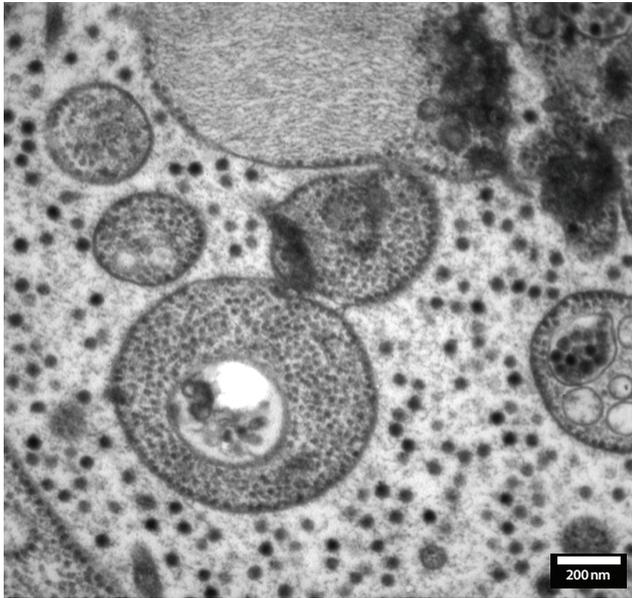
Epon embedded, 70 nm, block contrasted (1% OsO<sub>4</sub> + 2% UAc), poststained (UA-LC), carbon reinforced



**TEM: Portugal Mosquito  
Flavivirus Marim**

*Stained section*

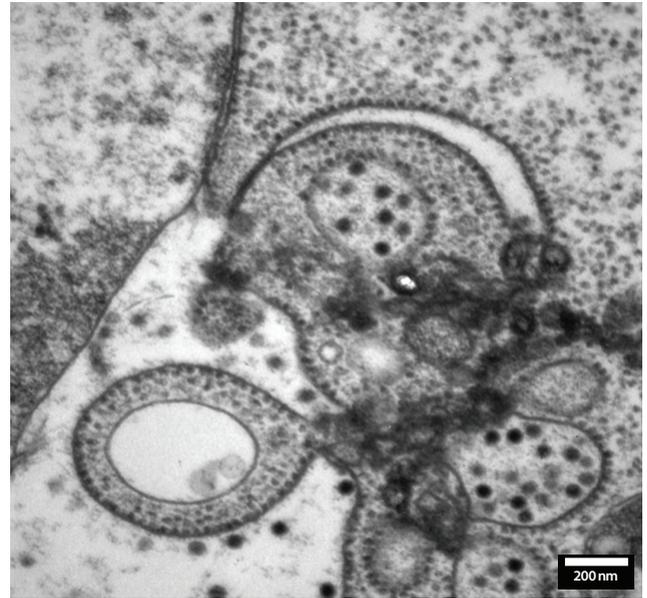
Epon embedded, 70 nm, block contrasted (1% OsO<sub>4</sub> + 2% UAc), without poststaining and carbon reinforcement



**TEM: Portugal Mosquito  
Flavivirus Marim**

*Stained section*

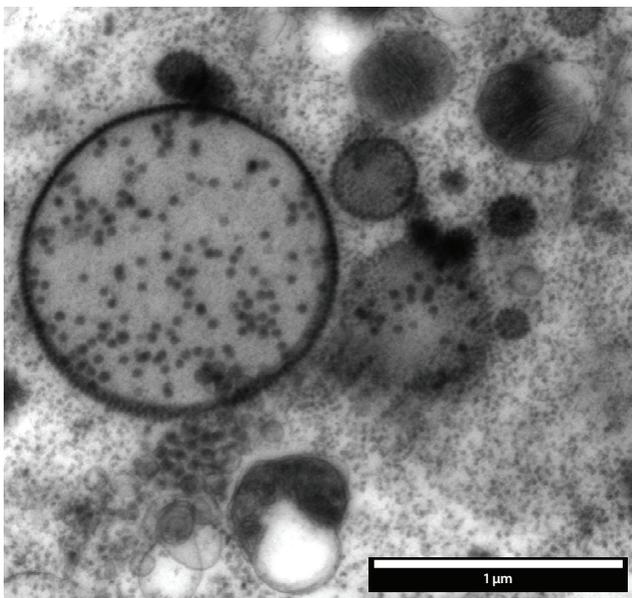
Epon embedded, 70 nm, block contrasted (1% OsO<sub>4</sub> + 2% UAc), without poststaining and carbon reinforcement



**TEM: Portugal Mosquito  
Flavivirus Marim**

*Stained section*

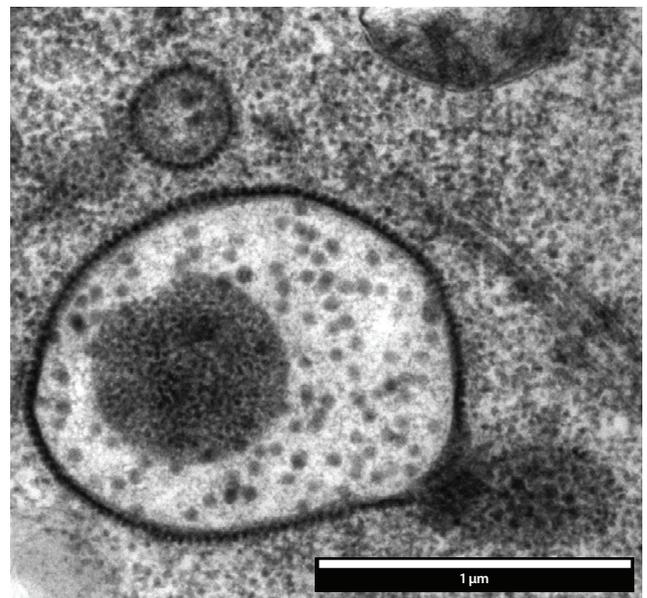
Epon embedded, 70 nm, block contrasted (1% OsO<sub>4</sub> + 2% UAc), without poststaining and carbon reinforcement



**STEM 10kV: Portugal Mosquito  
Flavivirus Marim**

*Stained section*

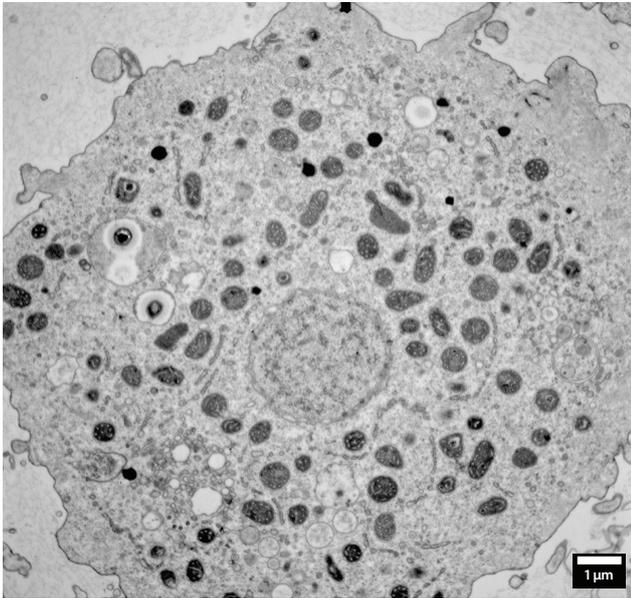
Epon embedded, 200 nm, block contrasted (1% OsO<sub>4</sub> + 2% UAc), without poststaining and carbon reinforcement



**STEM 10kV: Portugal Mosquito  
Flavivirus Marim**

*Stained section*

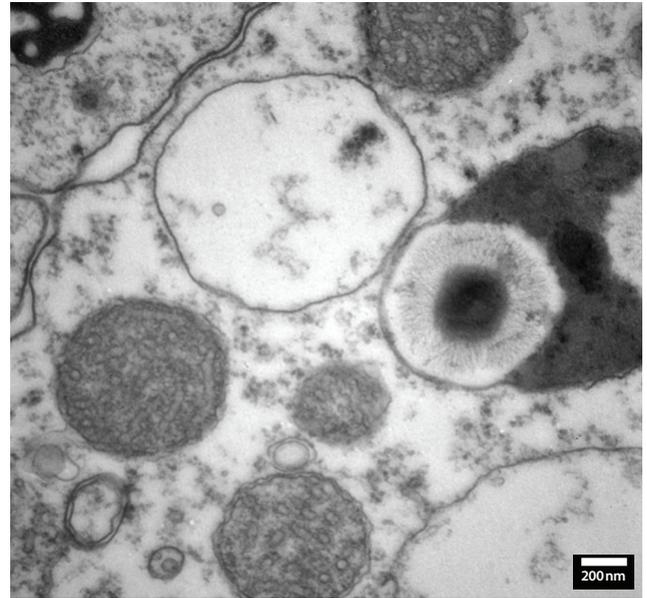
Epon embedded, 200 nm, block contrasted (1% OsO<sub>4</sub> + 2% UAc), without poststaining and carbon reinforcement



**TEM: Acanthamoeba Polyphaga Mimivirus**

*Stained section*

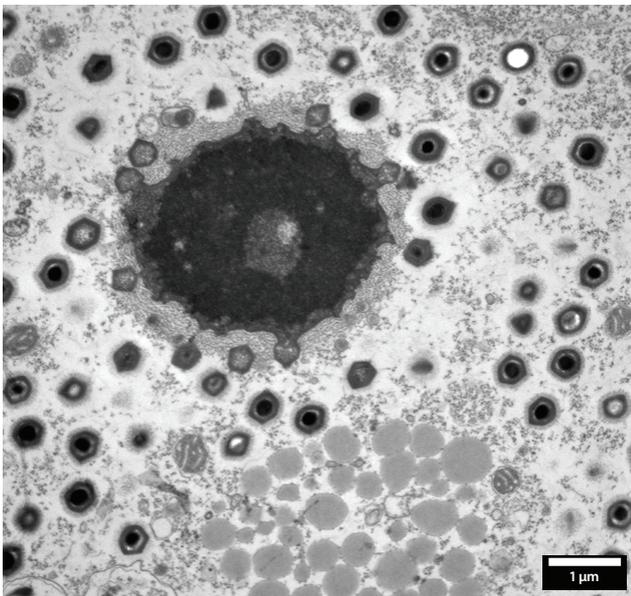
Epon embedded, 70 nm, block contrasted (1% OsO<sub>4</sub> + 2% UAc), poststained (UA-LC), carbon reinforced



**TEM: Acanthamoeba Polyphaga Mimivirus**

*Stained section*

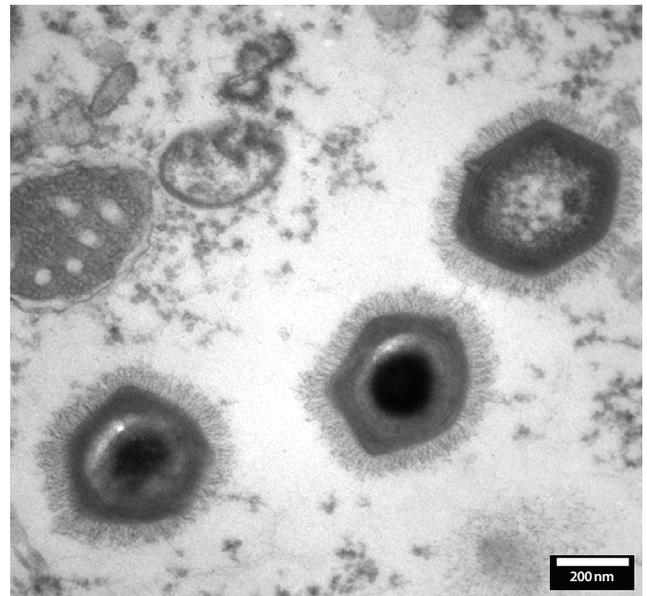
Epon embedded, 70 nm, block contrasted (1% OsO<sub>4</sub> + 2% UAc), poststained (UA-LC), carbon reinforced



**TEM: Acanthamoeba Polyphaga Mimivirus**

*Stained section*

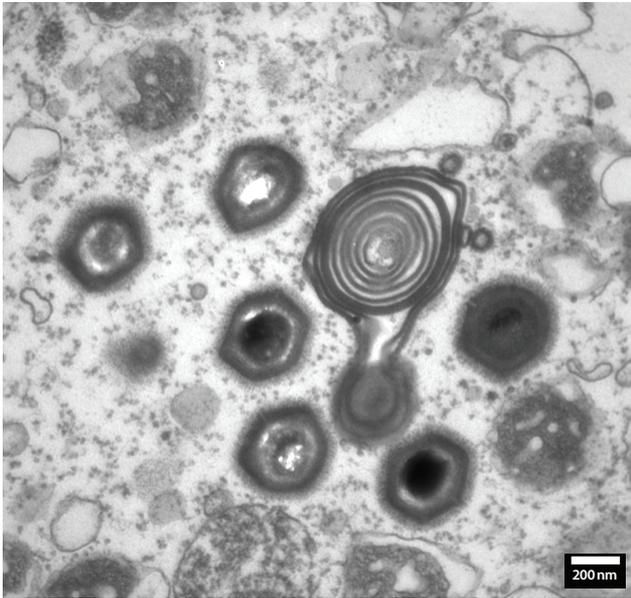
Epon embedded, 70 nm, block contrasted (1% OsO<sub>4</sub> + 2% UAc), without poststaining and carbon reinforcement



**TEM: Acanthamoeba Polyphaga Mimivirus**

*Stained section*

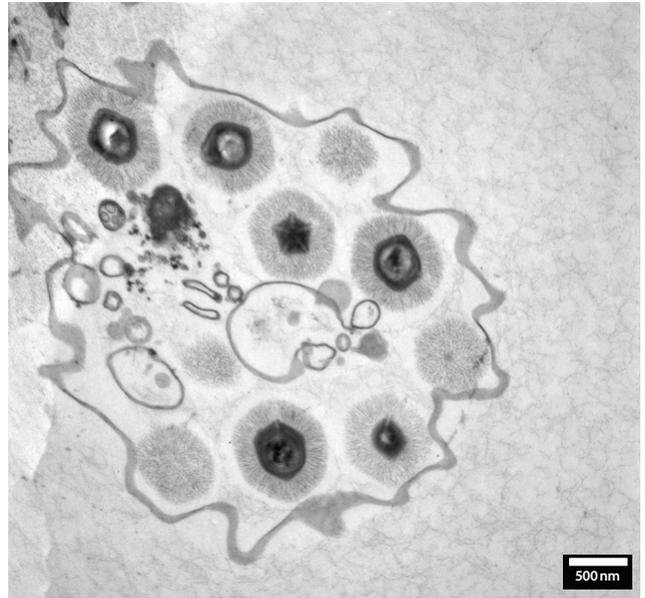
Epon embedded, 70 nm, block contrasted (1% OsO<sub>4</sub> + 2% UAc), without poststaining and carbon reinforcement



**TEM: Acanthamoeba Polyphaga Mimivirus**

*Stained section*

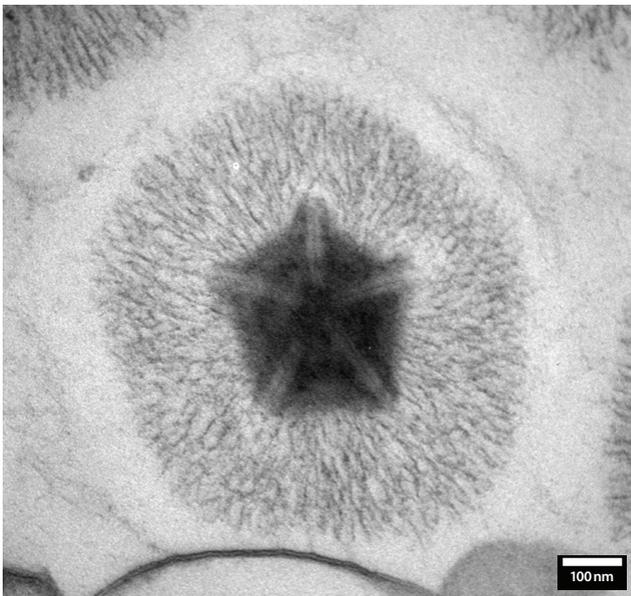
Epon embedded, 70 nm, block contrasted (1% OsO<sub>4</sub> + 2% UAc), without poststaining and carbon reinforcement



**TEM: Acanthamoeba Polyphaga Mimivirus**

*Stained section*

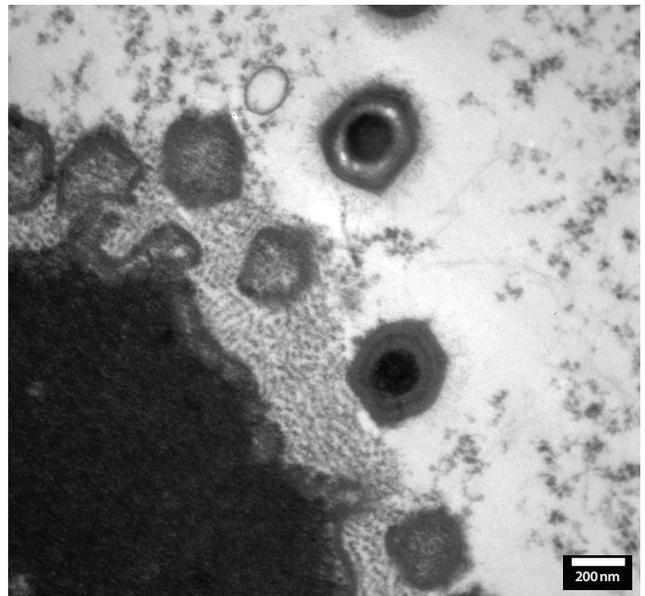
Epon embedded, 70 nm, block contrasted (1% OsO<sub>4</sub> + 2% UAc), without poststaining and carbon reinforcement



**TEM: Acanthamoeba Polyphaga Mimivirus**

*Stained section*

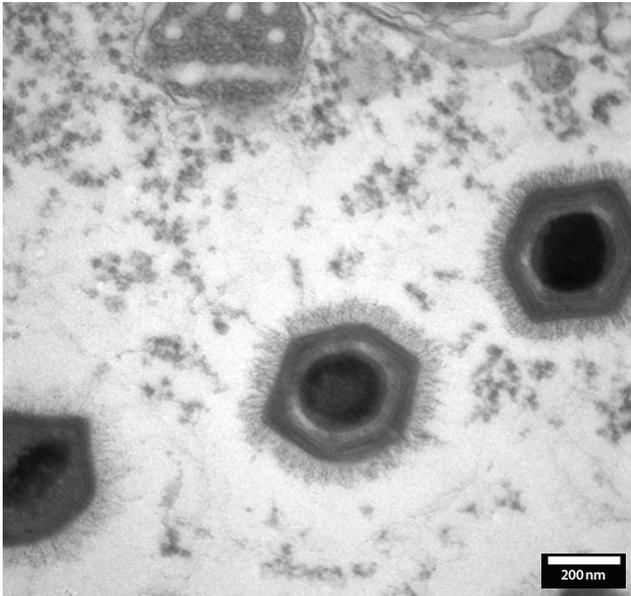
Epon embedded, 70 nm, block contrasted (1% OsO<sub>4</sub> + 2% UAc), without poststaining and carbon reinforcement



**TEM: Acanthamoeba Polyphaga Mimivirus**

*Stained section*

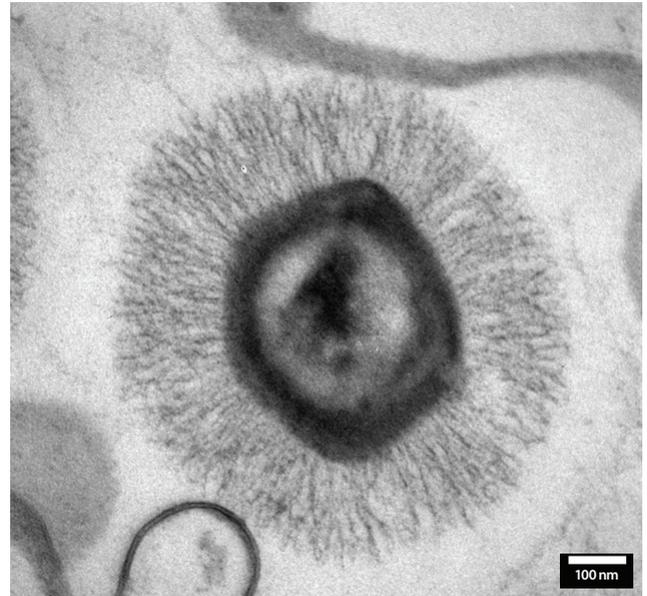
Epon embedded, 70 nm, block contrasted (1% OsO<sub>4</sub> + 2% UAc), without poststaining and carbon reinforcement



**TEM: Acanthamoeba Polyphaga Mimivirus**

*Stained section*

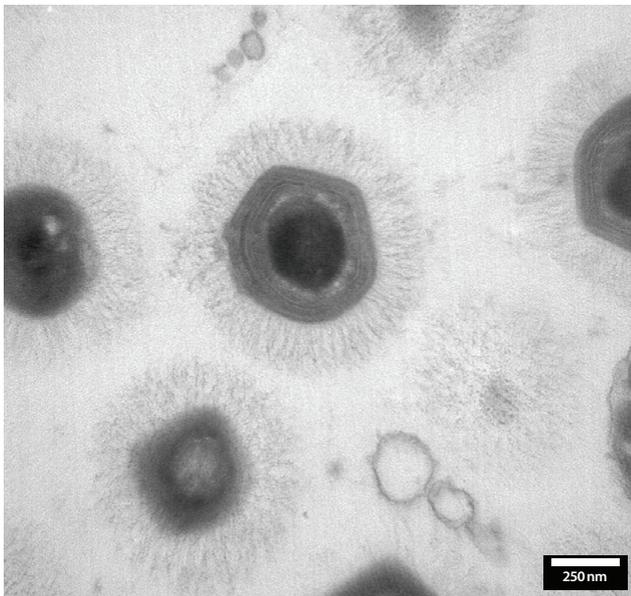
Epon embedded, 70 nm, block contrasted (1% OsO<sub>4</sub> + 2% UAc), without poststaining and carbon reinforcement



**TEM: Acanthamoeba Polyphaga Mimivirus**

*Stained section*

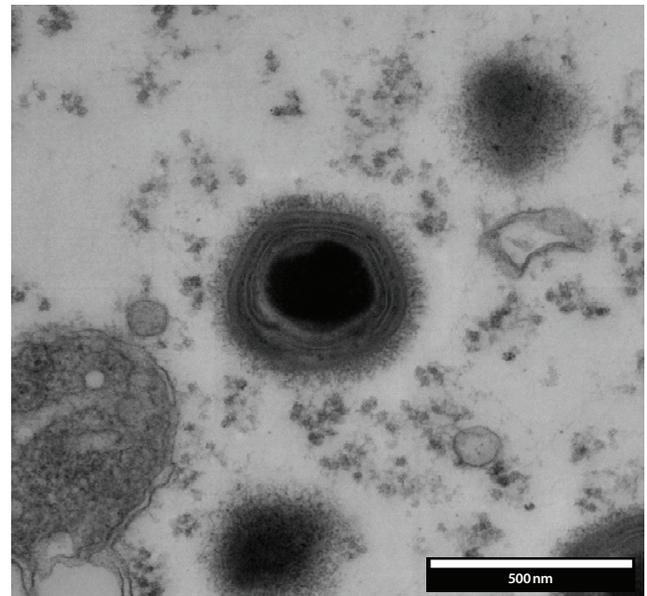
Epon embedded, 70 nm, block contrasted (1% OsO<sub>4</sub> + 2% UAc), without poststaining and carbon reinforcement



**TEM: Acanthamoeba Polyphaga Mimivirus**

*Stained section*

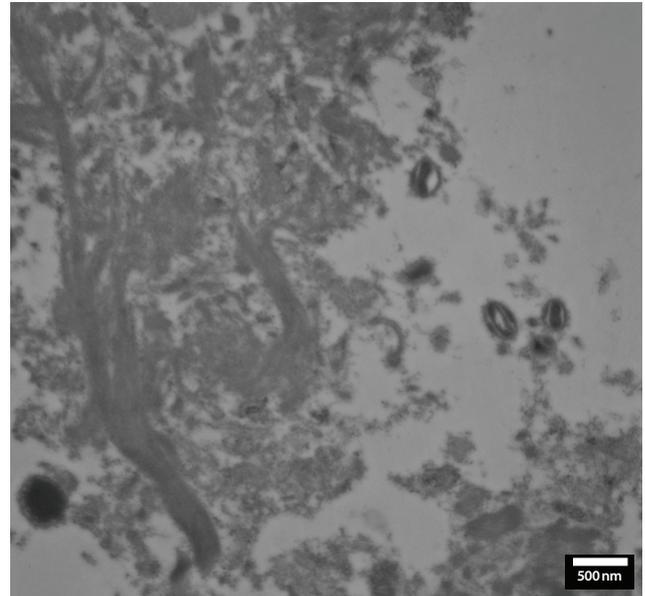
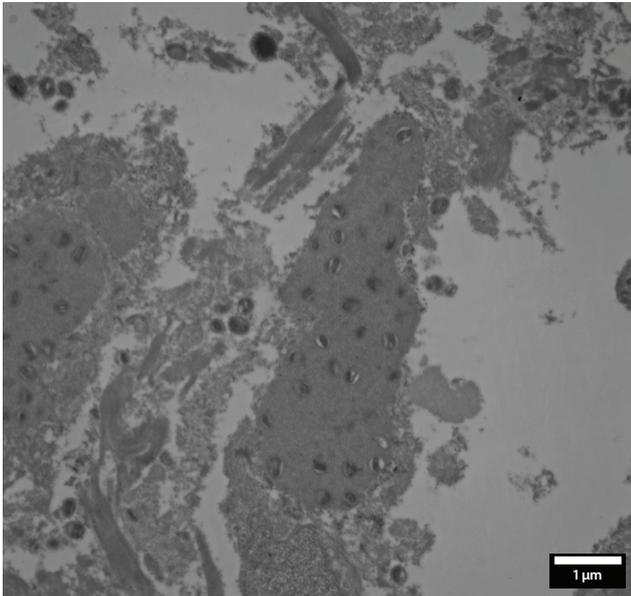
Epon embedded, 70 nm, block contrasted (1% OsO<sub>4</sub> + 2% UAc), without poststaining and carbon reinforcement



**TEM: Acanthamoeba Polyphaga Mimivirus**

*Stained section*

Epon embedded, 70 nm, block contrasted (1% OsO<sub>4</sub> + 2% UAc), without poststaining and carbon reinforcement



**TEM: Cowpox Virus on an Elephant Tongue**

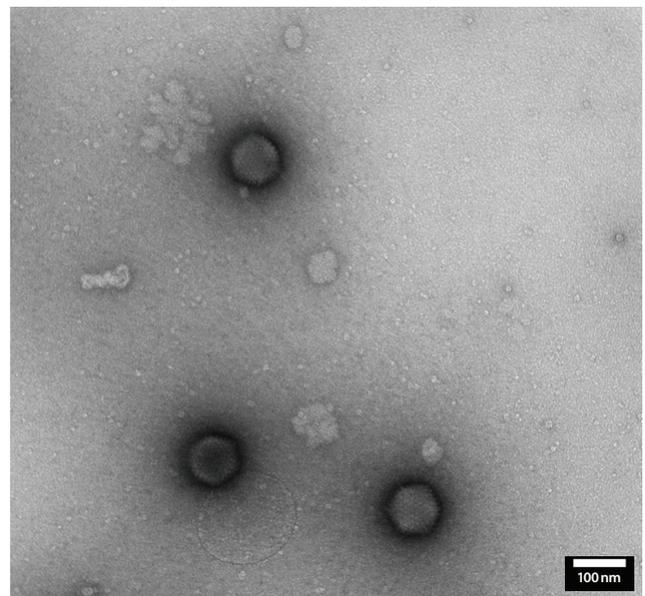
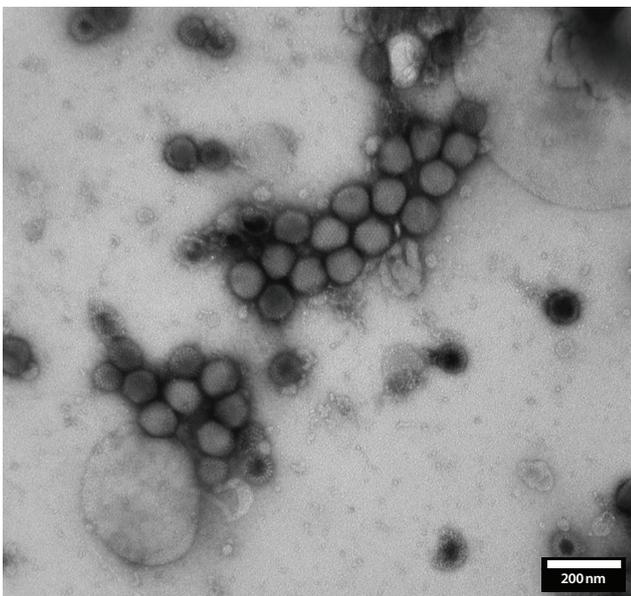
*Stained section*

LR-White embedded, 70 nm, no block contrast, post stained with UA-LC, carbon reinforced

**TEM: Cowpox Virus on an Elephant Tongue**

*Stained section*

LR-White embedded, 70 nm, no block contrast, post stained with UA-LC, carbon reinforced



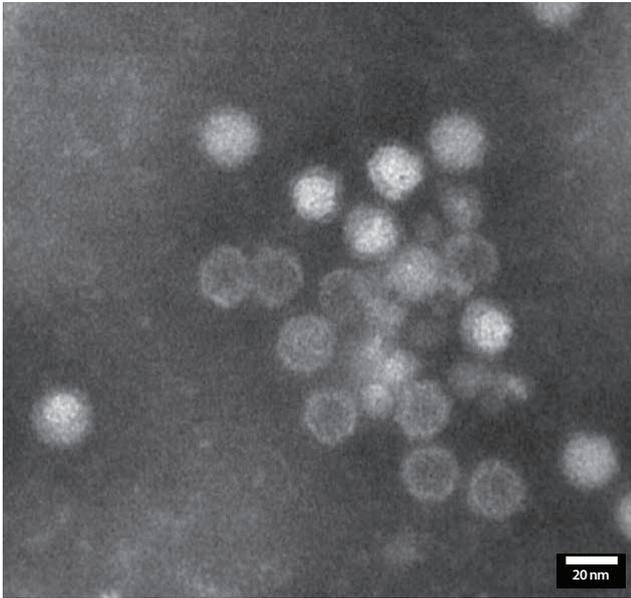
**TEM: Adenovirus and rotavirus**

*Stained particles on carbon film*

Virus with UA staining

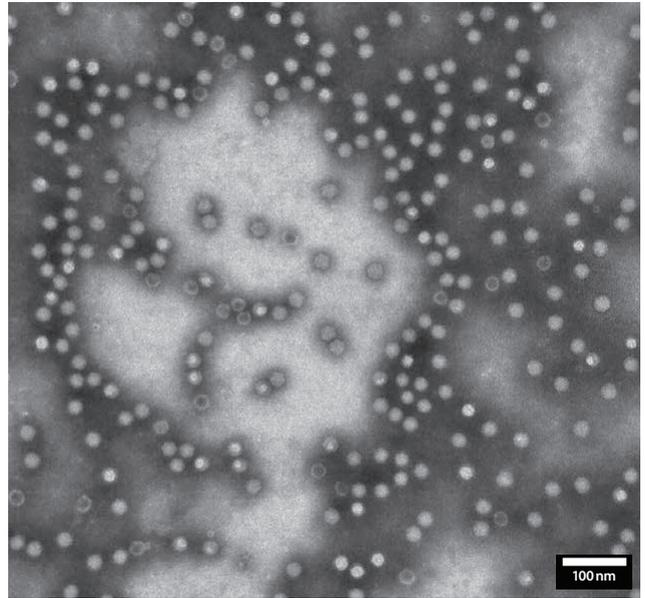
**TEM: Adenovirus**

*Stained particles on carbon film*



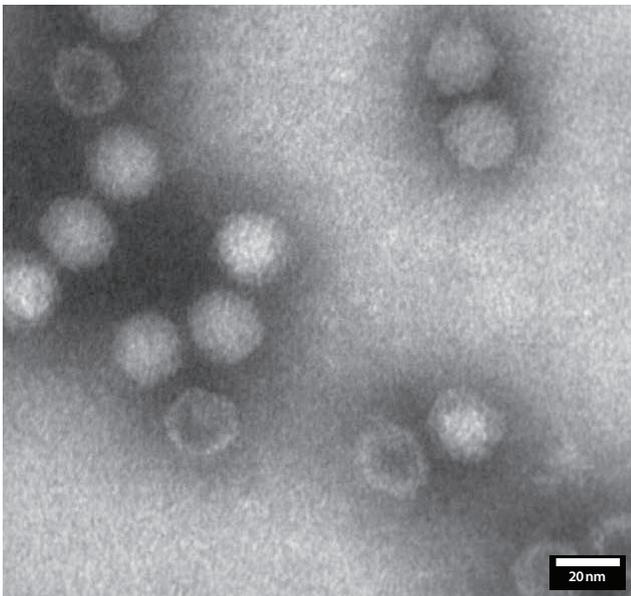
**TEM: Adeno-Associated Viruses**

*Stained particles on carbon film*  
 Negative stained AAV (1 minute PTA 2%),  
 diameter of about 20 nm



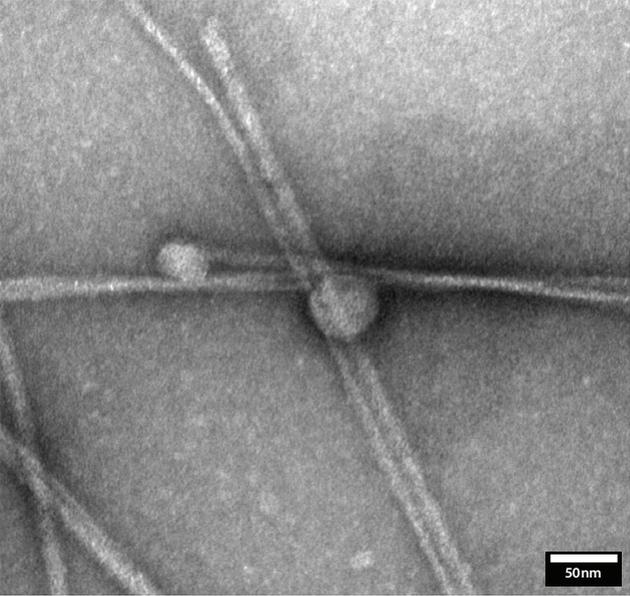
**TEM: Adeno-Associated Viruses**

*Stained particles on carbon film*  
 Negative stained AAV (1 minute PTA 2%),  
 diameter of about 20 nm



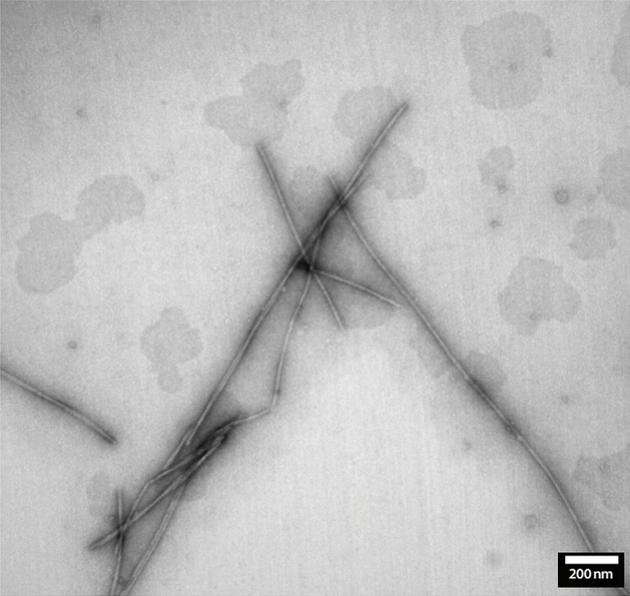
**TEM: Adeno-Associated Viruses**

*Stained particles on carbon film*  
 Negative stained AAV (1 minute PTA 2%),  
 diameter of about 20 nm



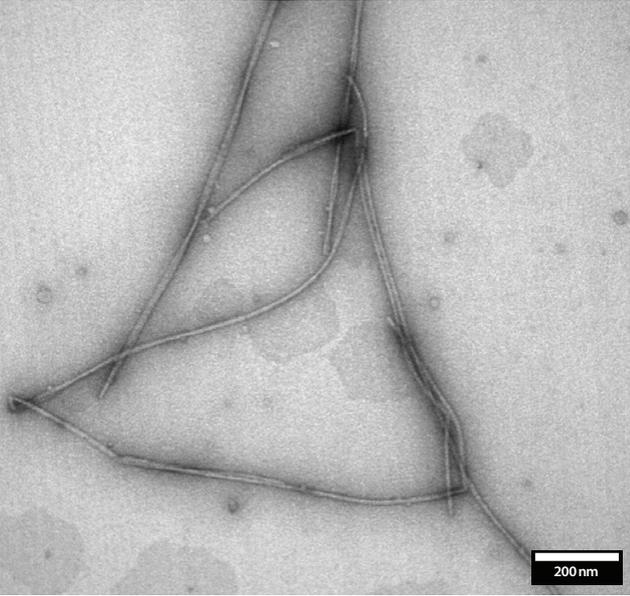
**TEM: Nano Filaments**

*Stained particles on carbon film*  
Viral nucleoprotein ring



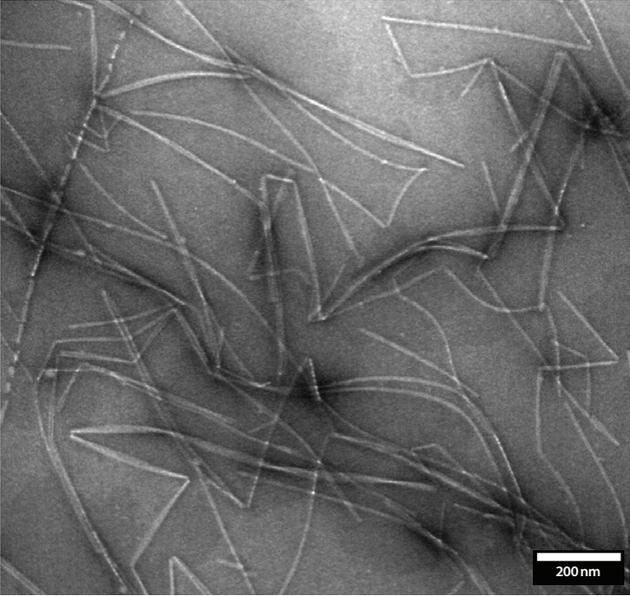
**TEM: Nano Filaments**

*Stained particles on carbon film*  
Viral nucleoprotein ring



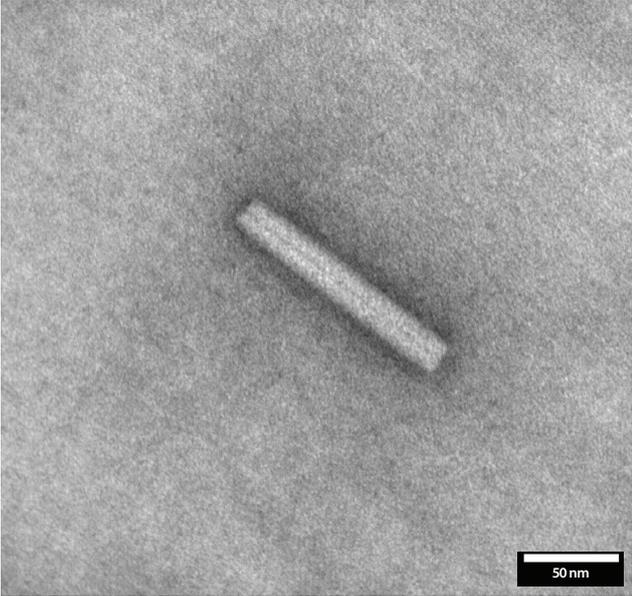
**TEM: Nano Filaments**

*Stained particles on carbon film*  
Viral nucleoprotein ring



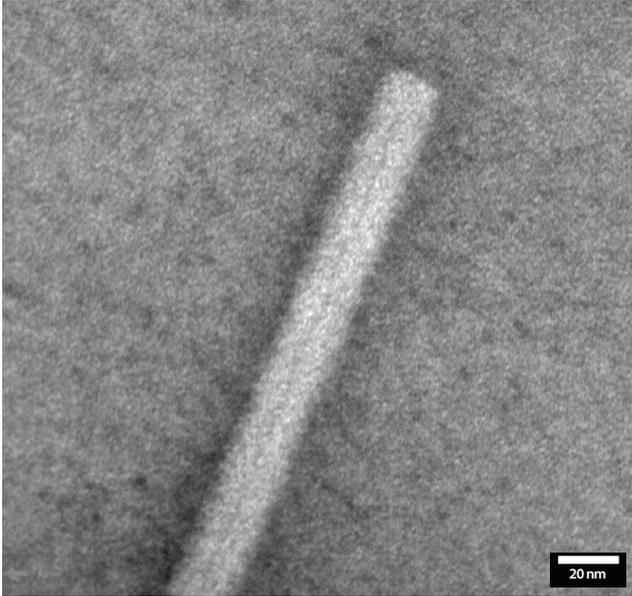
**TEM: Nano Filaments**

*Stained particles on carbon film*  
Viral nucleoprotein ring



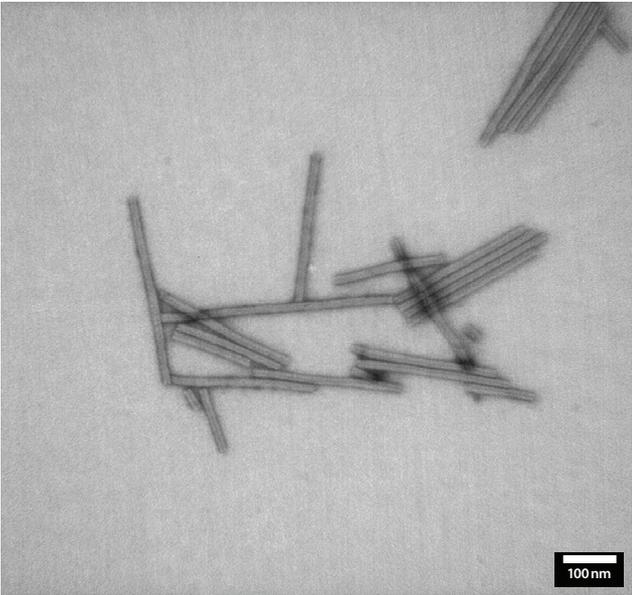
**TEM: Tobacco Mosaic Virus**

*Stained particles on carbon film*



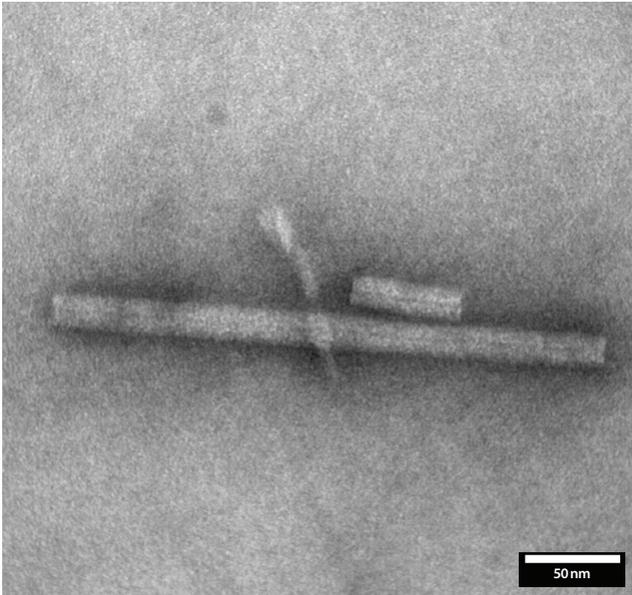
**TEM: Tobacco Mosaic Virus**

*Stained particles on carbon film*



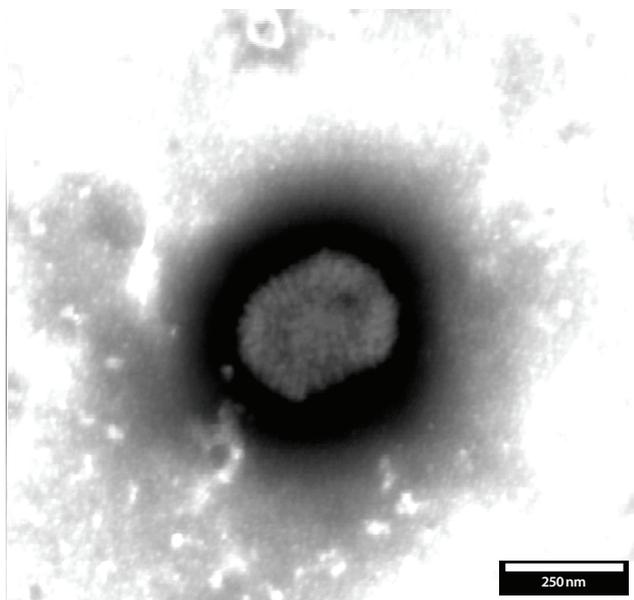
**TEM: Tobacco Mosaic Virus**

*Stained particles on carbon film*



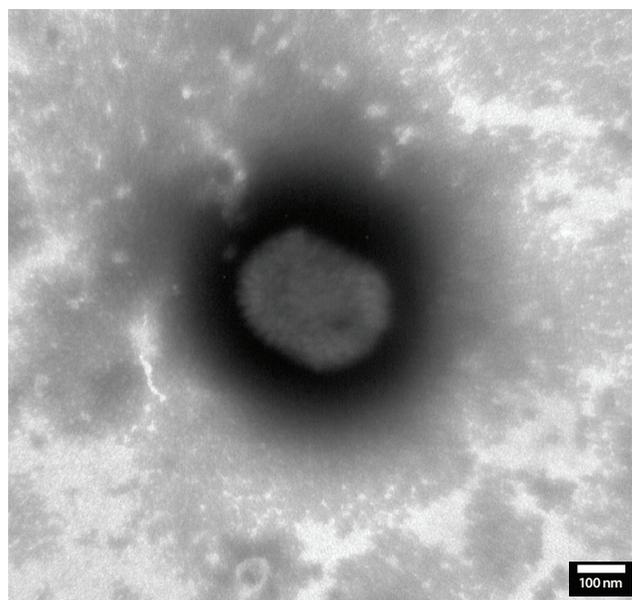
**TEM: Tobacco Mosaic Virus**

*Stained particles on carbon film*



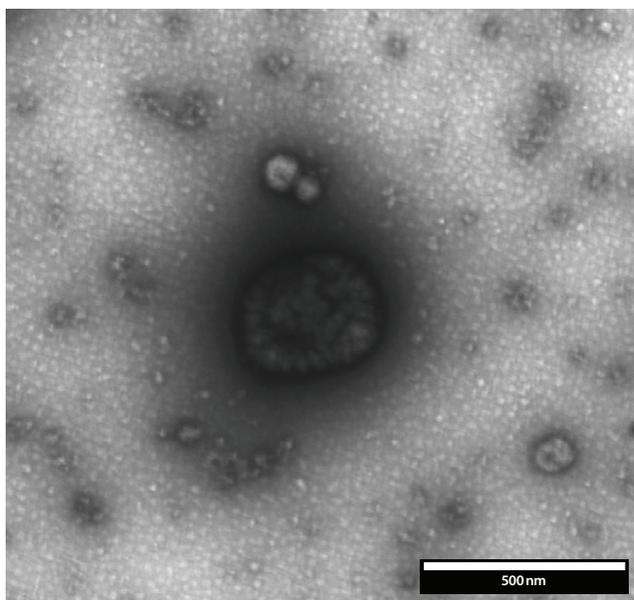
**TEM: Pox Virus**

*Stained particles on carbon film*



**TEM: Pox Virus**

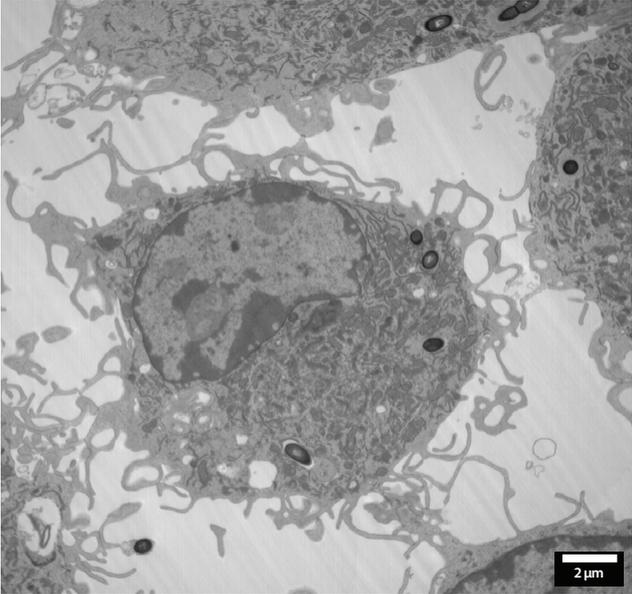
*Stained particles on carbon film*



**TEM: Vaccinia Virus VR-1536**

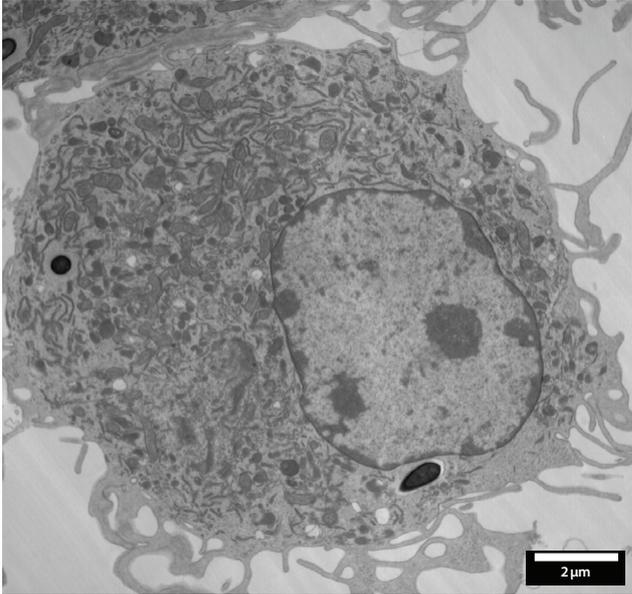
*Stained particles on carbon film*

Carbon reinforced pioloform coated grid,  
70nm, pretreated (alcian blue), washed 3X,  
neg. stained (1% UAc)



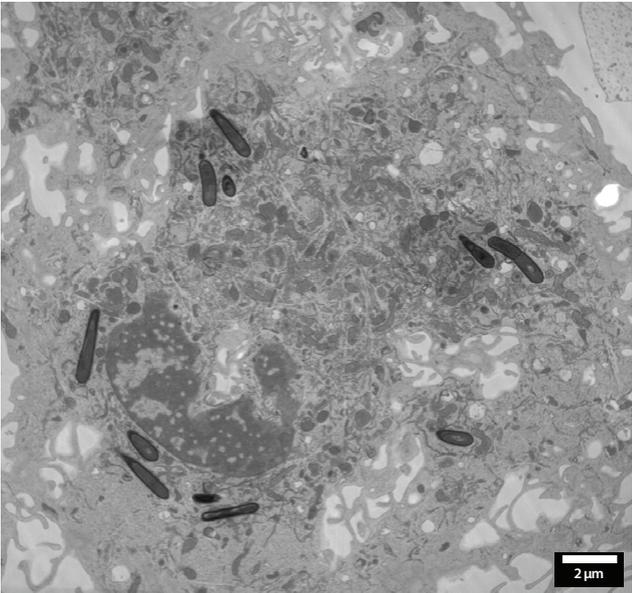
**TEM: Fibroblasts and Bacteria**

*Stained section*



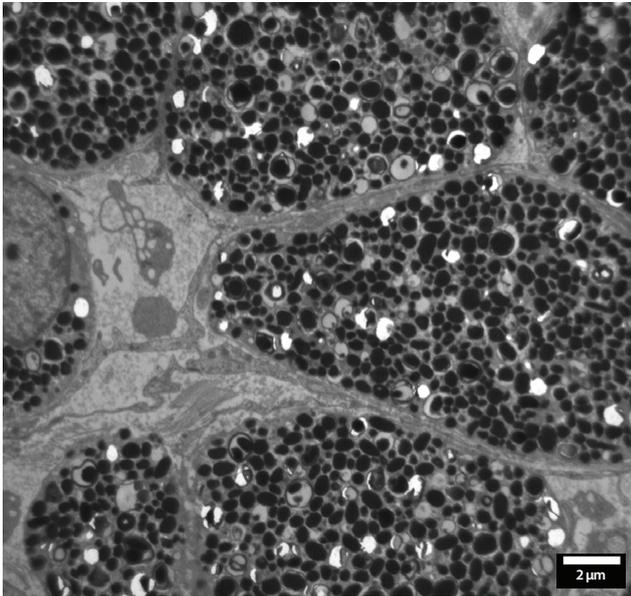
**TEM: Fibroblasts and Bacteria**

*Stained section*



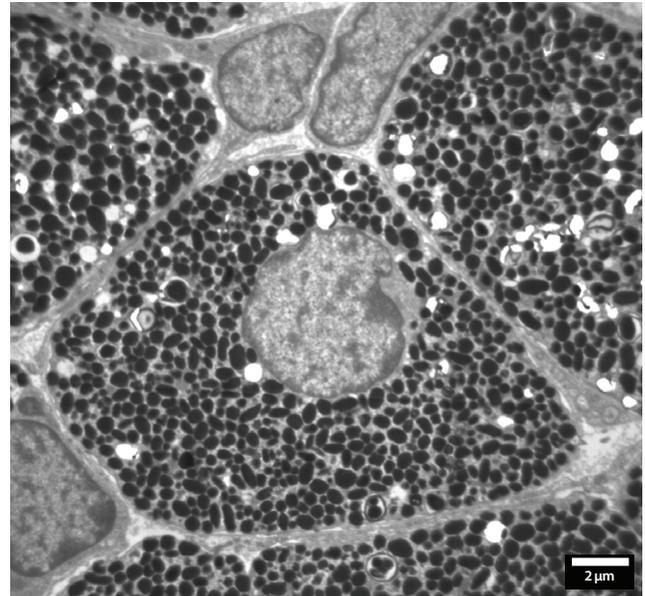
**TEM: Fibroblasts and Bacteria**

*Stained section*



**TEM: Retina Section**

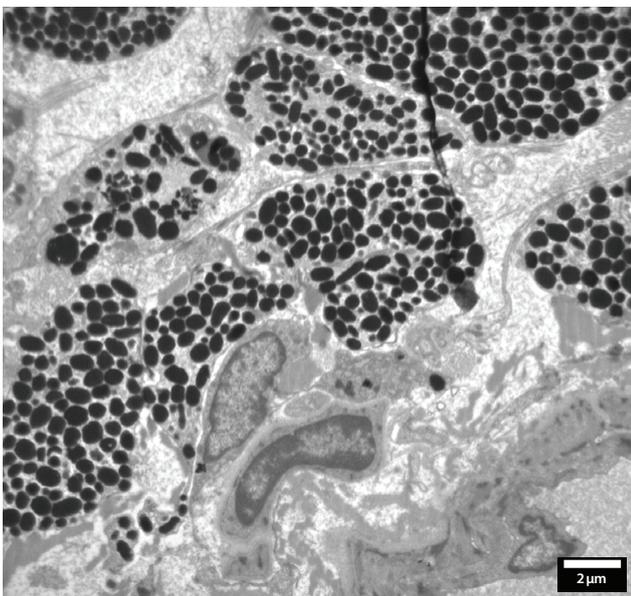
*Stained section*



**TEM: Retina Section**

*Stained section*

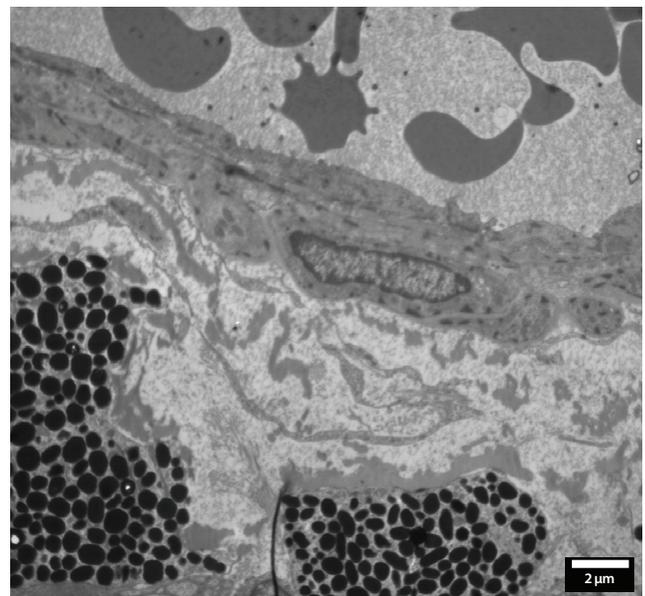
Point of interest: photoreceptor cell with well-defined cell core



**TEM: Retina Section**

*Stained section*

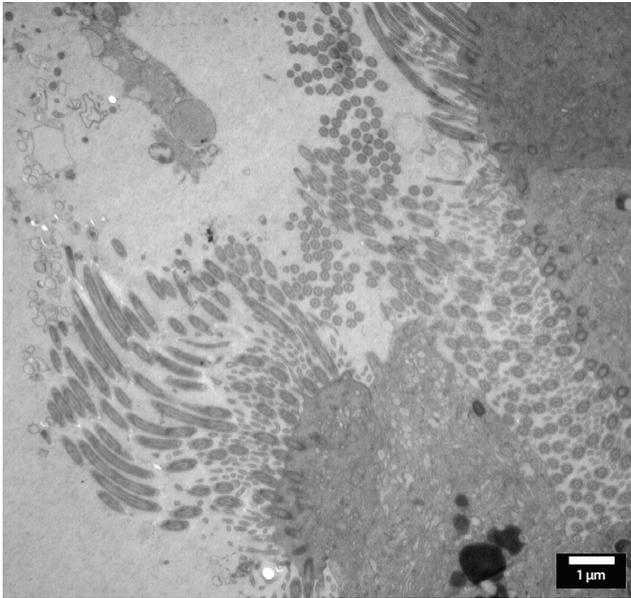
Point of interest: photoreceptor cells surrounded with connective tissue



**TEM: Retina Section**

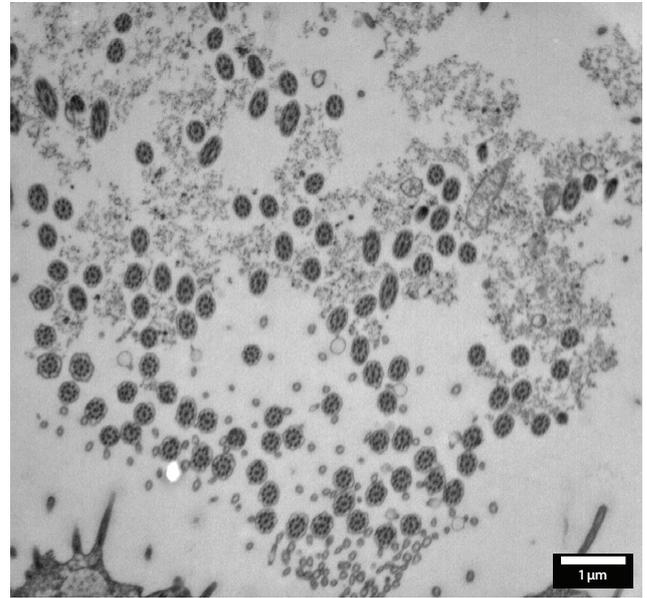
*Stained section*

Point of interest: section of a capillary containing erythrocytes in the upper part of the image



**TEM: Nasal Epithelial Cells with Cilia**

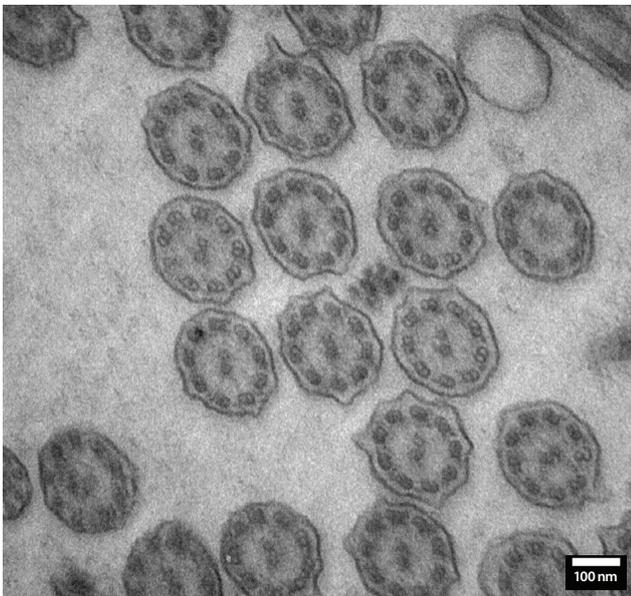
*Stained section*



**TEM: Cilia Cross-Sectioned**

*Stained section*

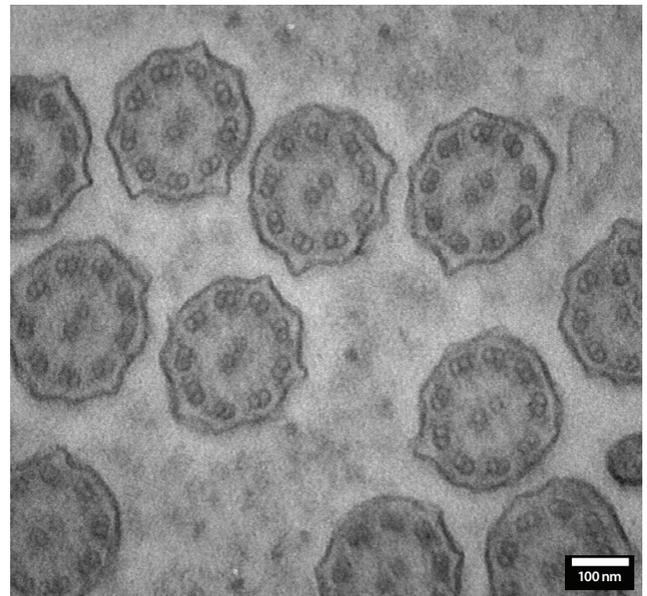
Nasal brushing chemically fixed by 2.5% glutaraldehyde. Point of interest: ultra-structure of ciliated cells



**TEM: Cilia Cross Sectioned**

*Stained section*

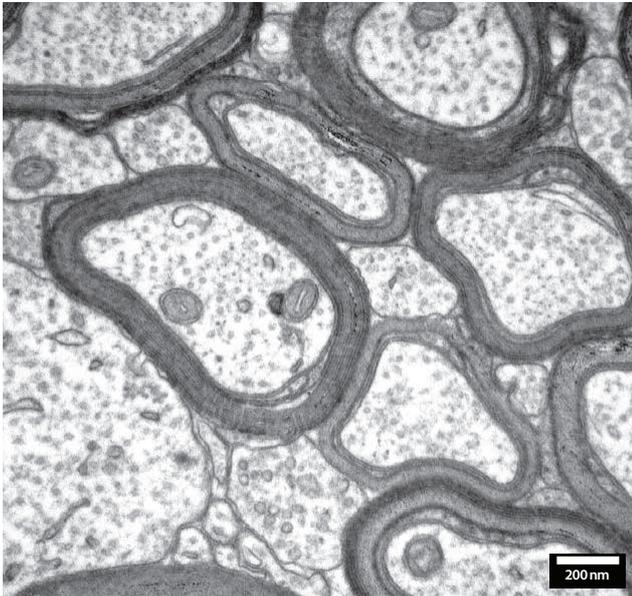
Point of interest: transversal crosssection of cilia with well visible structure: 9 peripheral triplets and 1 central dublet of microtubuli



**TEM: Cilia Cross Sectioned**

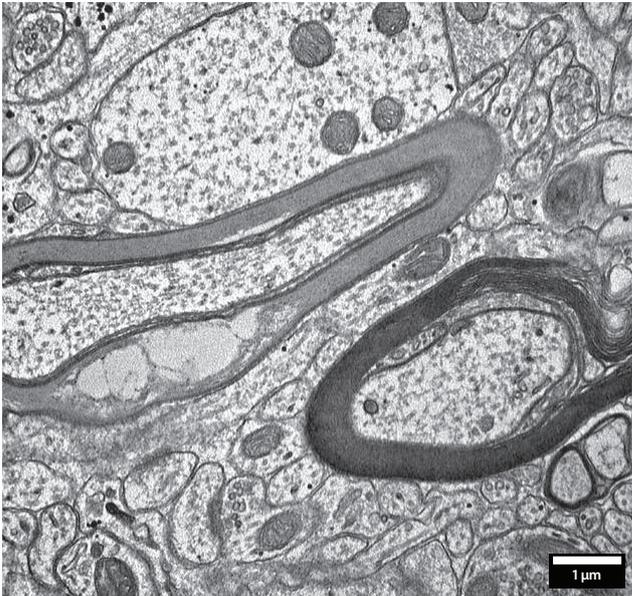
*Stained section*

Point of interest: visible ultrastructure with apparent dynein arms



**TEM: Mouse brain**

*Stained section*  
Neural tissue



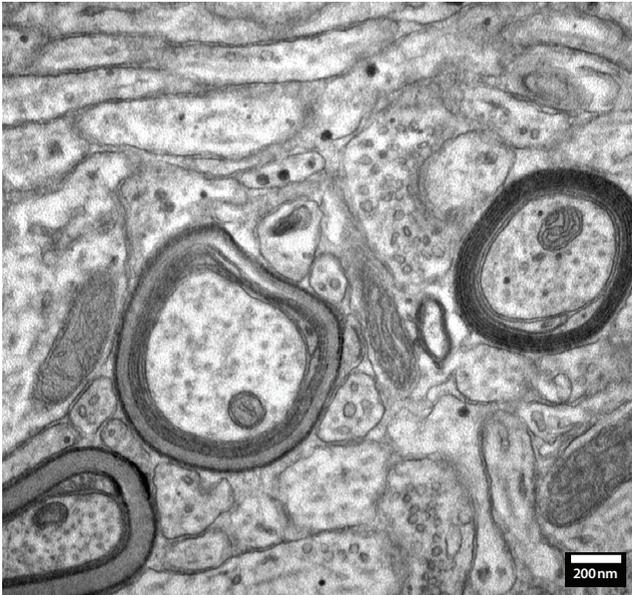
**TEM: Mouse brain**

*Stained section*  
Neural tissue including axons with and without myelin sheath



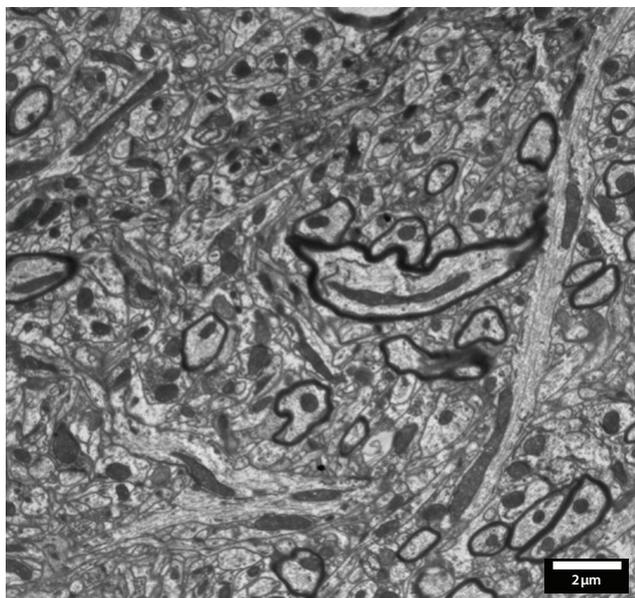
**TEM: Mouse brain**

*Stained section*  
Neural tissue



**TEM: Mouse brain**

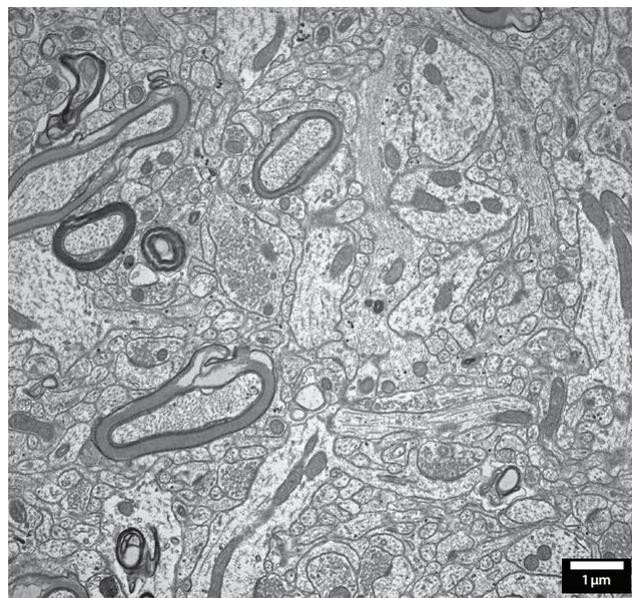
*Stained section*  
Stained section of a neural tissue surrounded with mitochondria-containing myelinated axon



**TEM: Myelinated Axons**

*Stained section*

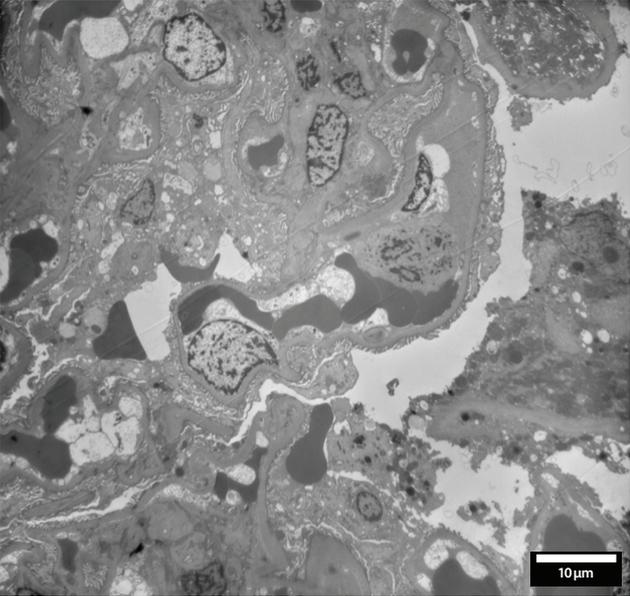
Nerve tissue contrasted by 1% LC, fixed by 1.5% potassium ferrocyanide



**TEM: Mouse brain**

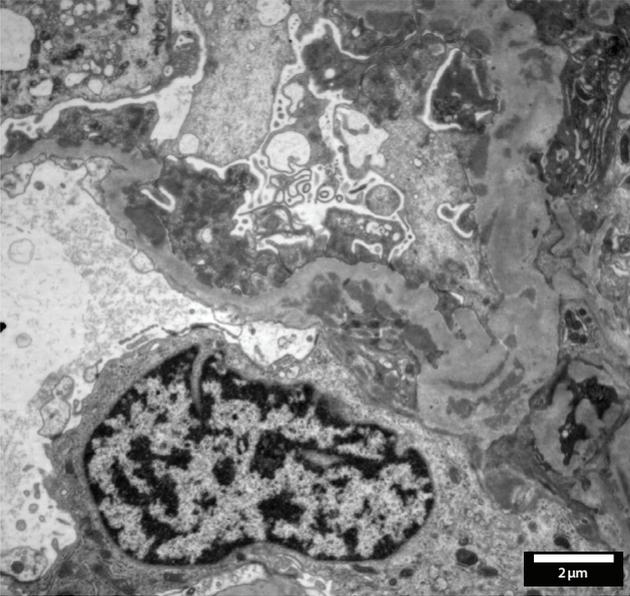
*Stained section*

Neural tissue



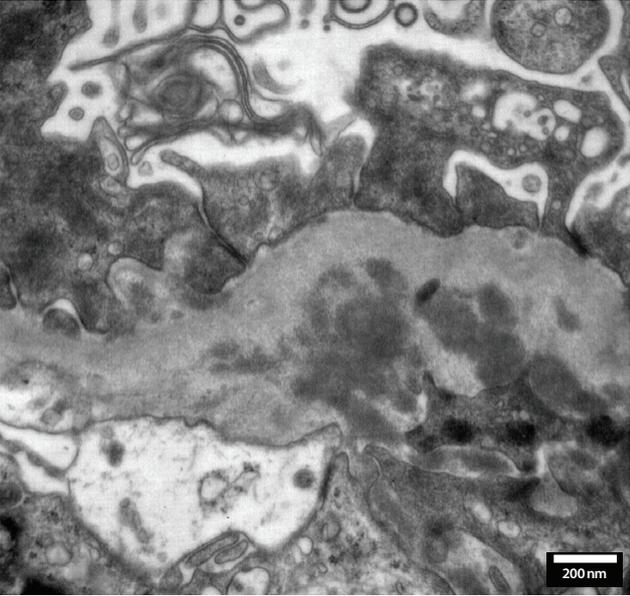
**TEM: Kidney**

*Stained section*  
90nm section, block stained by UAc, post-fixed by OsO<sub>4</sub>



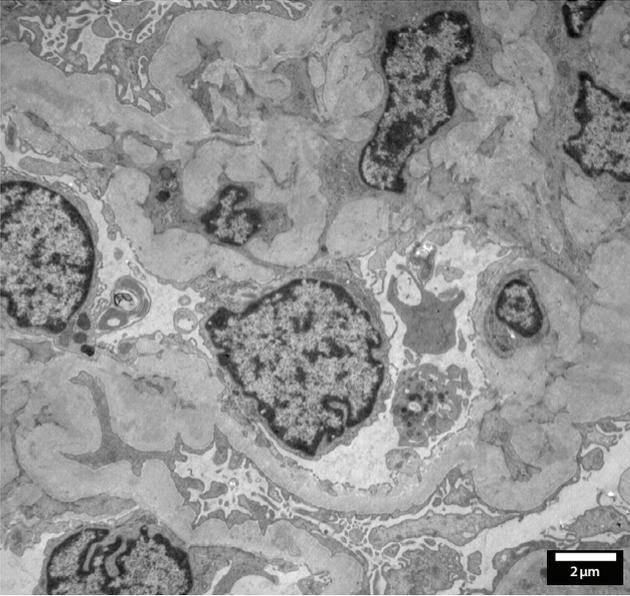
**TEM: Kidney**

*Stained section*  
Epithel and endothel cells with apparent cell cores



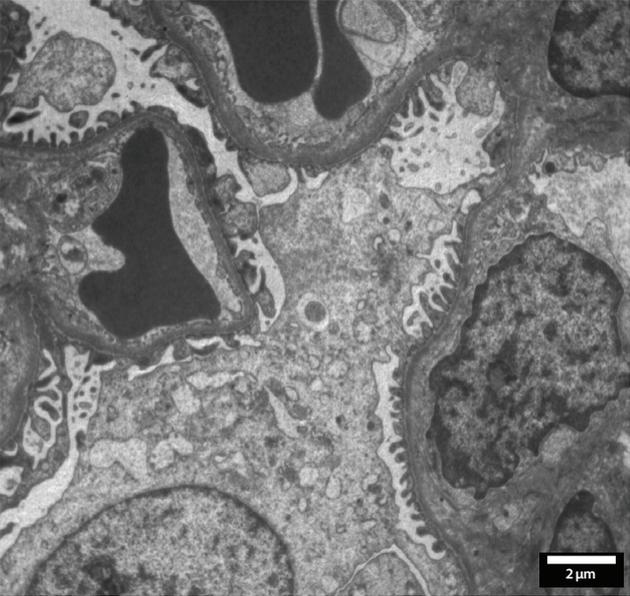
**TEM: Kidney**

*Stained section*



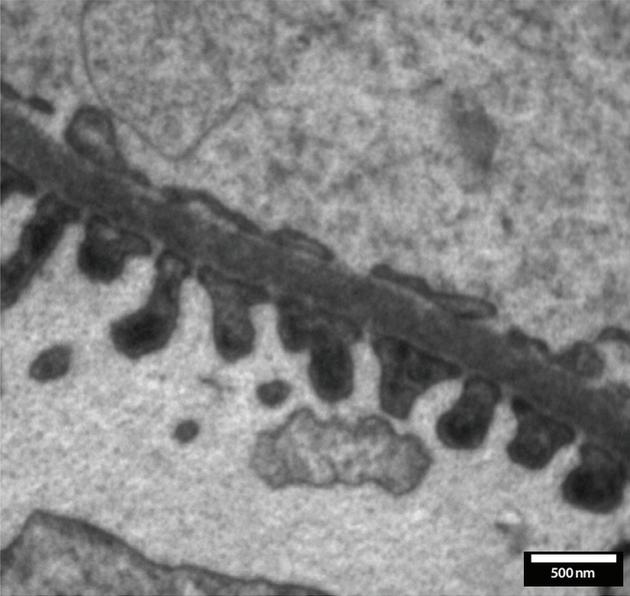
**TEM: Kidney**

*Stained section*  
Epithel and endothel cells with apparent cell cores



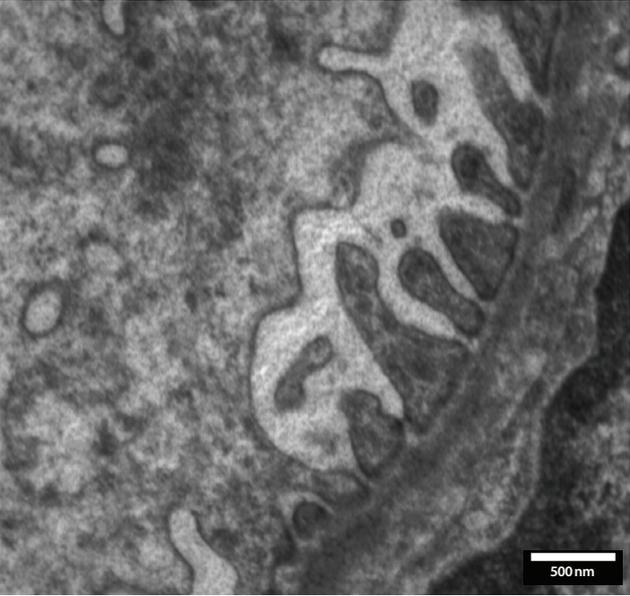
**TEM: Kidney**

*Stained section*  
Point of interest: podocytes



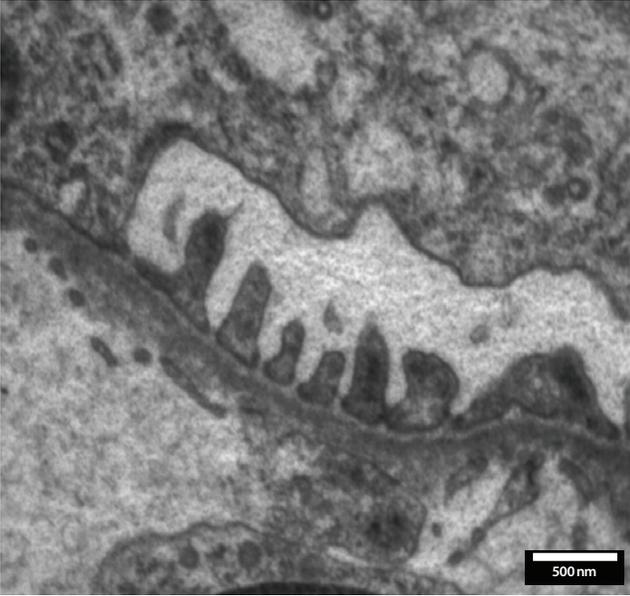
**TEM: Kidney**

*Stained section*  
Point of interest: podocytes with details of pedicles



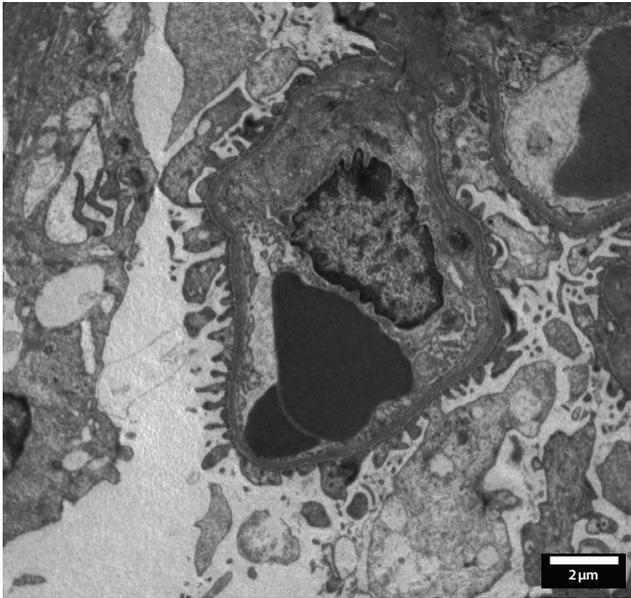
**TEM: Kidney**

*Stained section*  
Point of interest: podocytes with details of pedicles



**TEM: Kidney**

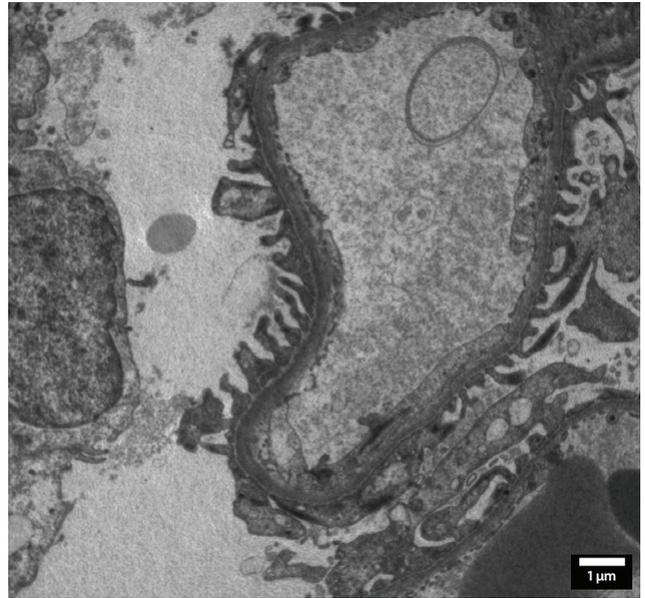
*Stained section*  
Point of interest: podocytes with details of pedicles



**TEM: Kidney**

*Stained section*

Point of interest: podocytes transection showing cell nucleus in the proximity of erythrocytes in capillary



**TEM: Kidney**

*Stained section*

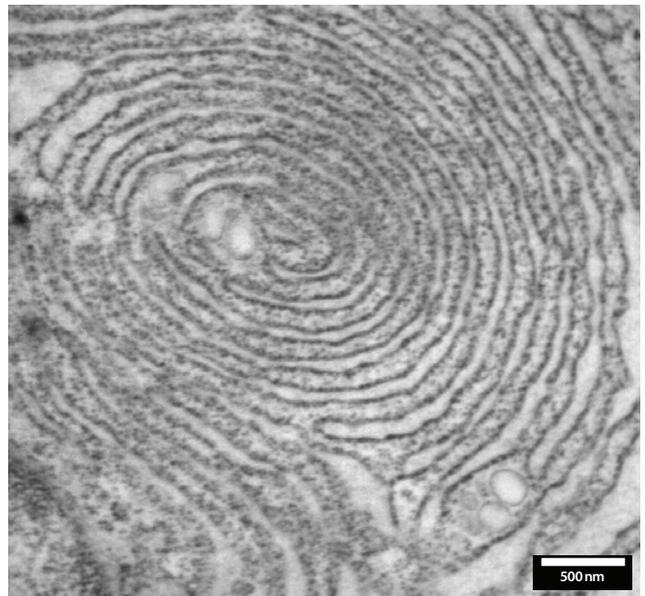
Point of interest: podocytes



**TEM: Kidney**

*Stained section*

Point of interest: granular endoplasmic reticulum location in the proximity of epithelial cell nucleus



**TEM: Kidney**

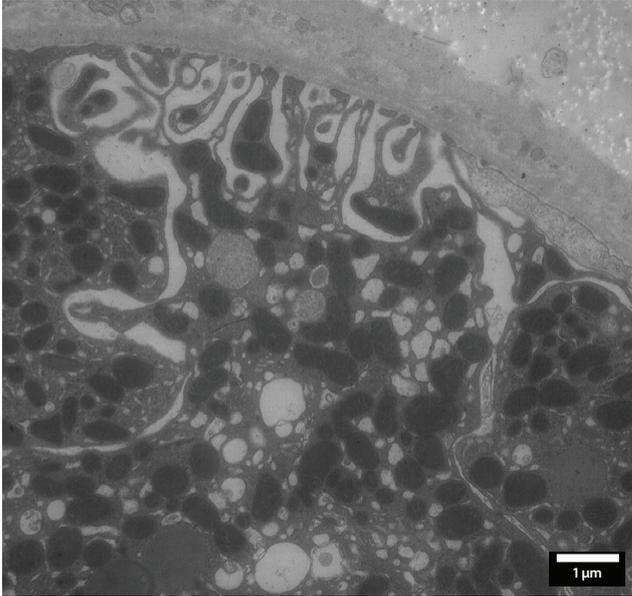
*Stained section*

Point of interest: detail of granular endoplasmic reticulum



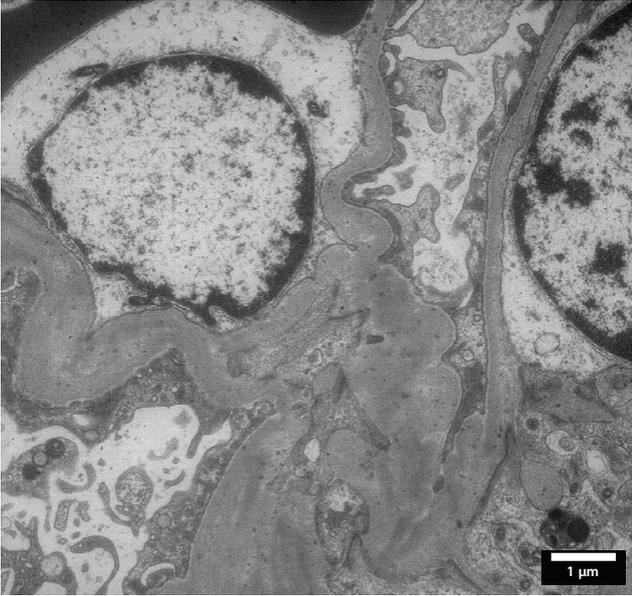
**TEM: Kidney**

*Stained section*  
Point of interest: mitochondria



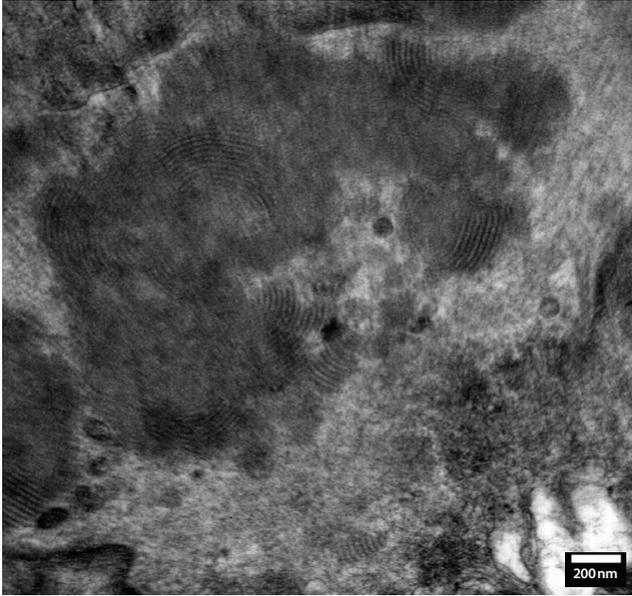
**TEM: Kidney**

*Stained section*



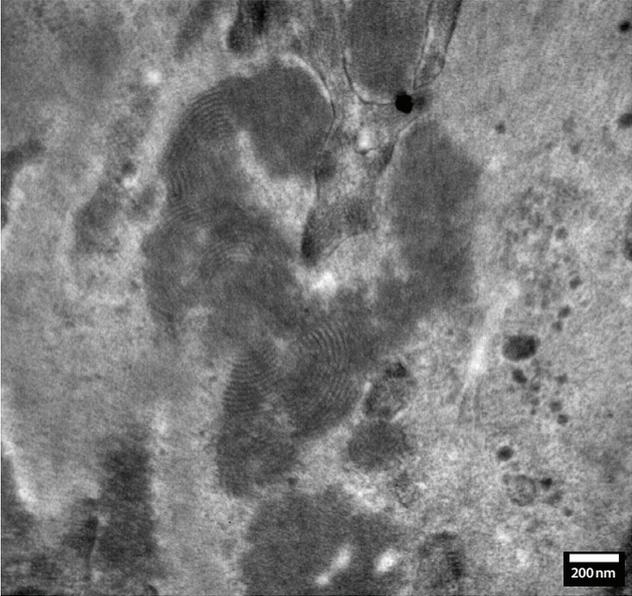
**TEM: Kidney**

*Stained section*  
Point of interest: basal membrane of glomerulus



**TEM: Kidney**

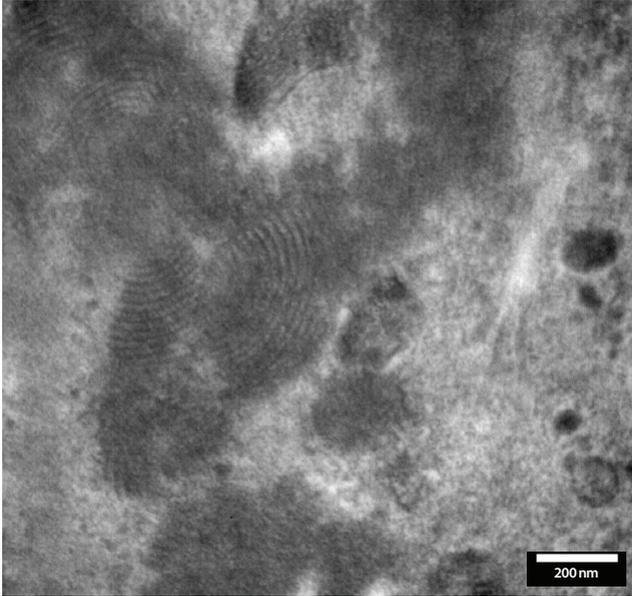
*Stained section*  
Point of interest: fingerprint structure



**TEM: Kidney**

*Stained section*

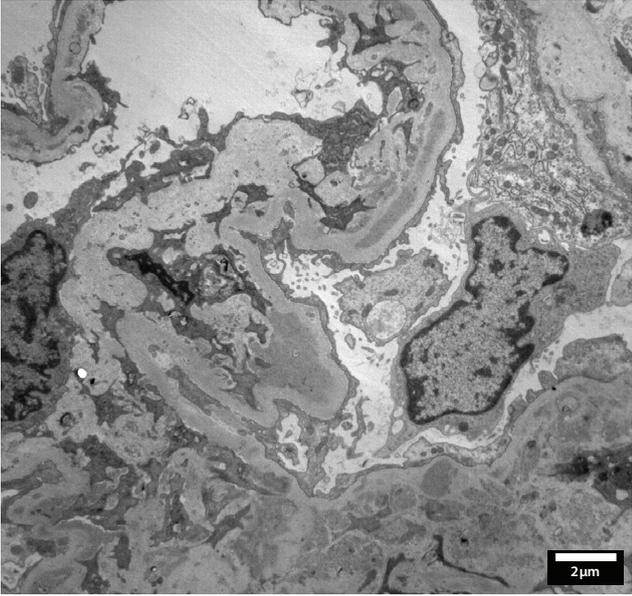
Point of interest: fingerprint structure



**TEM: Kidney**

*Stained section*

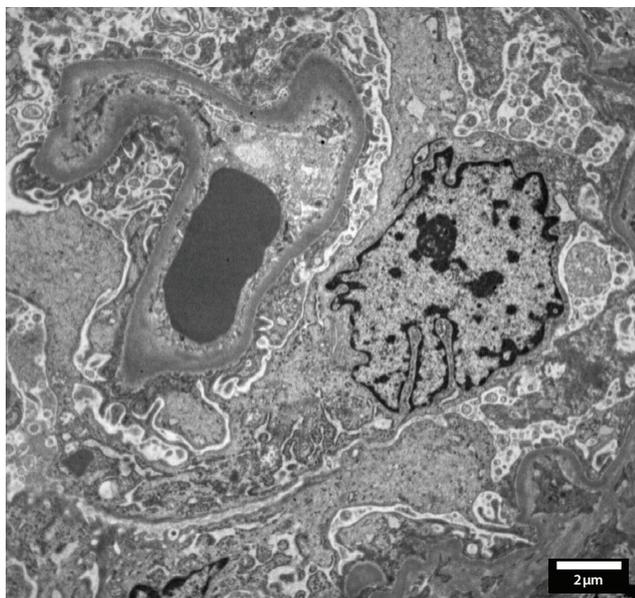
Point of interest: fingerprint structure



**Kidney**

*Stained section*

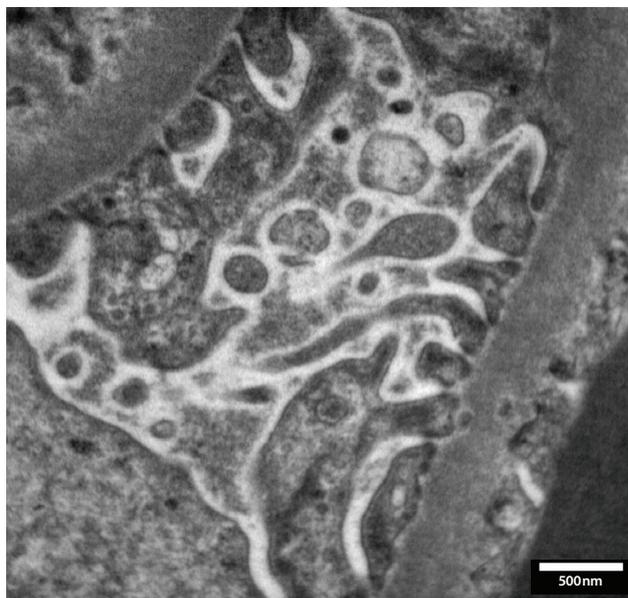
Point of interest: tubulus pathology



**TEM: Kidney**

*Stained section*

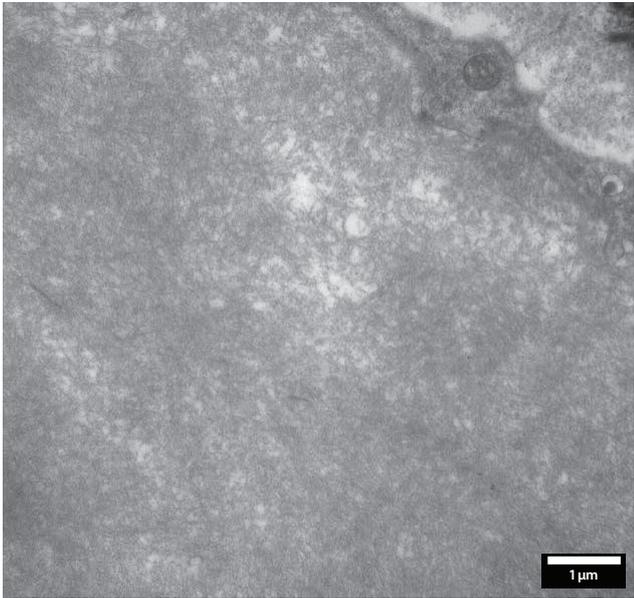
Point of interest: section of renal corpuscle with capillary and podocyte



**TEM: Kidney**

*Stained section*

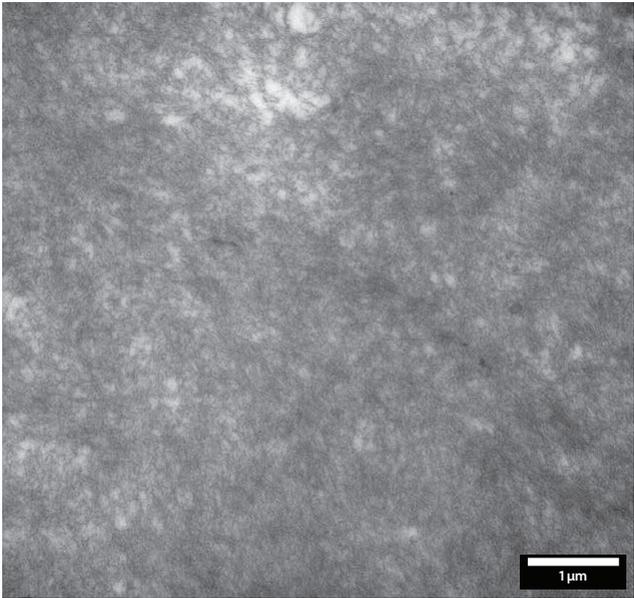
Point of interest: podocyte with details of pedicles



**TEM: Kidney**

*Stained section*

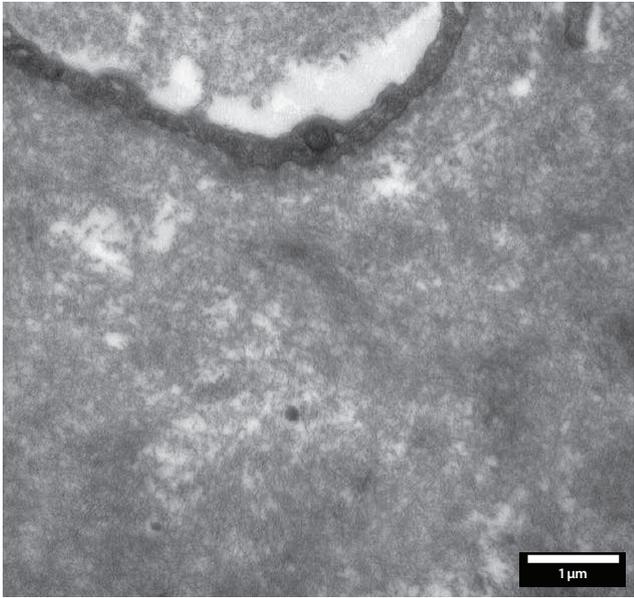
Point of interest: amyloid nephropathy



**TEM: Kidney**

*Stained section*

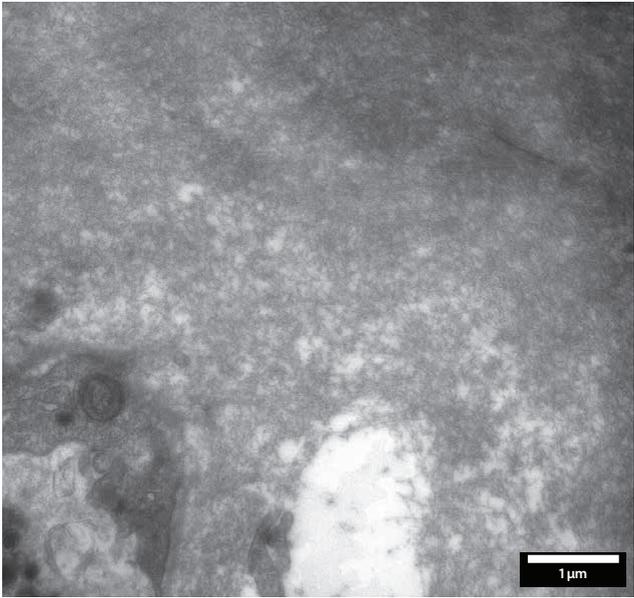
Point of interest: amyloid nephropathy



**TEM: Kidney**

*Stained section*

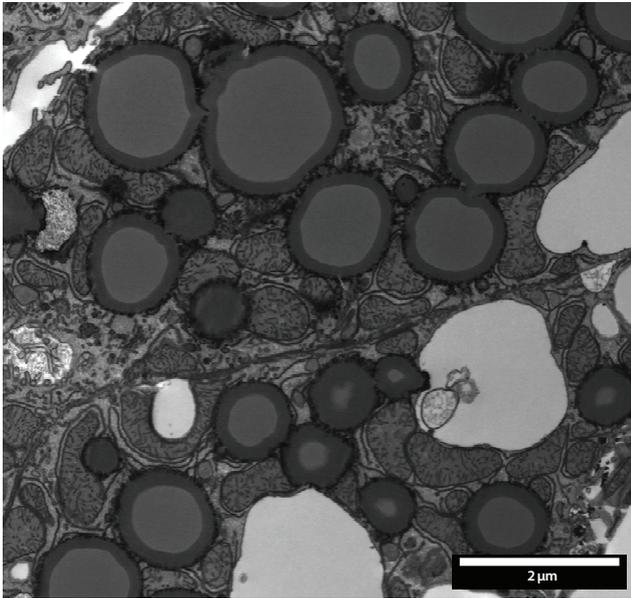
Point of interest: amyloid nephropathy



**TEM: Kidney**

*Stained section*

Point of interest: amyloid nephropathy

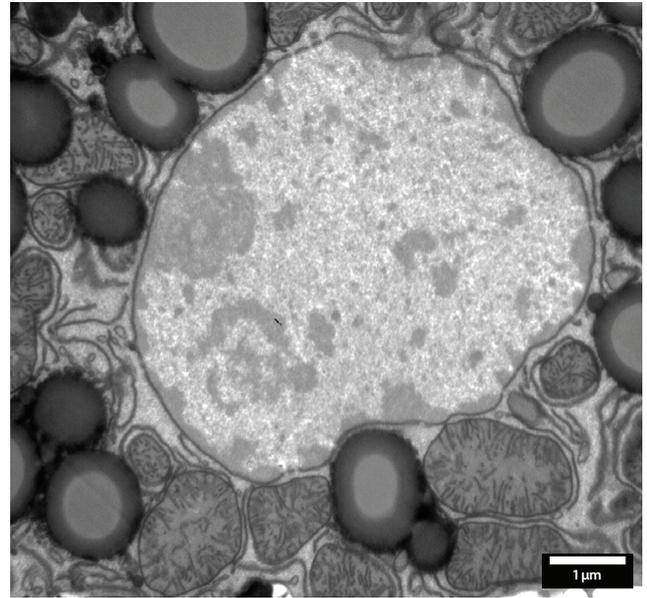


**STEM 10 kV: Mouse Liver**

*Stained section*

1% SM/En Acetates.

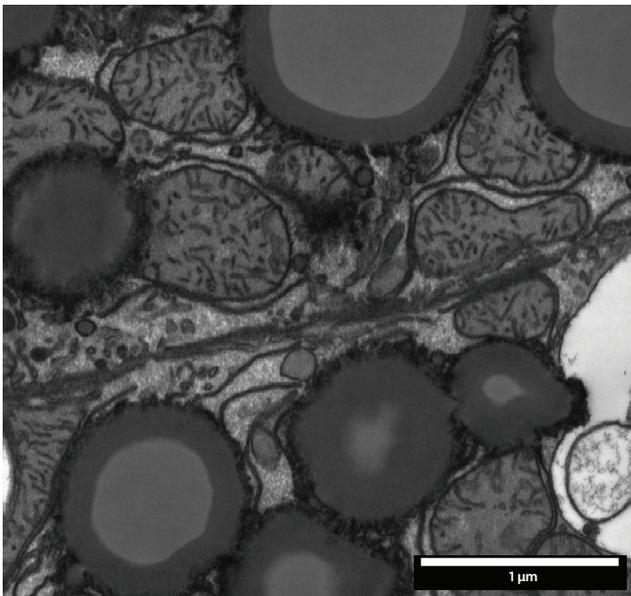
Point of interest: hepatocyte nucleus surrounded by droplets of fat



**TEM: Mouse Liver**

*Stained section*

1% SM/En Acetates

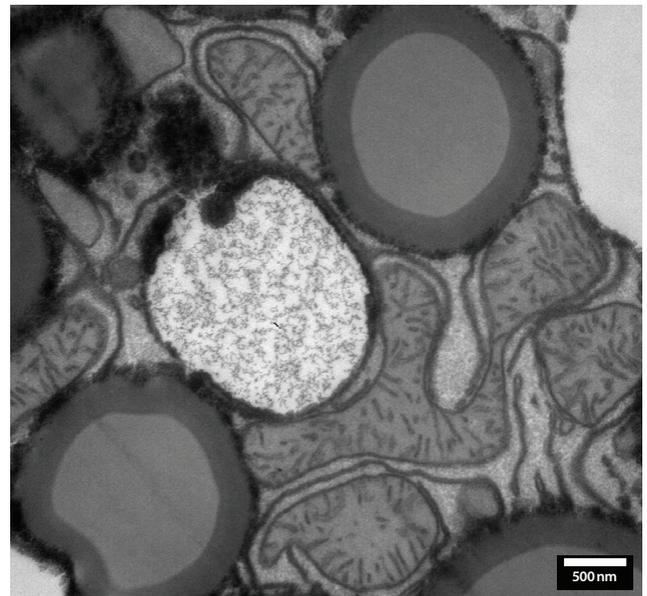


**STEM 10 kV: Mouse Liver**

*Stained section*

1% SM/En Acetates

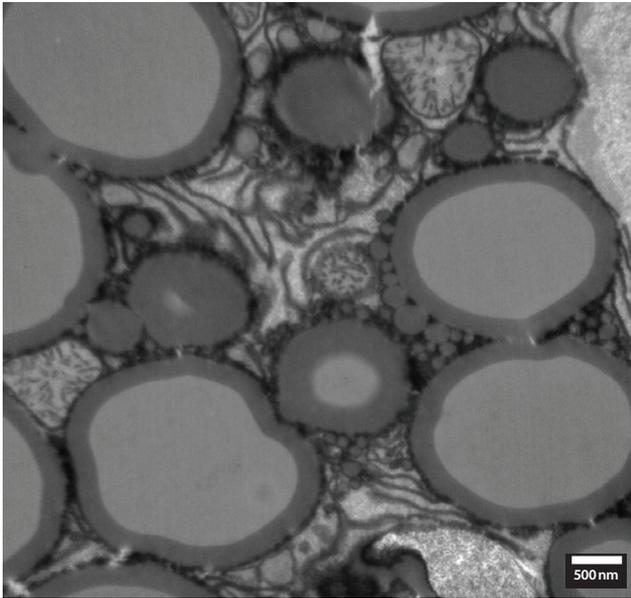
Point of interest: mitochondria of hepatocyte surrounded by droplets of fat



**TEM: Mouse Liver**

*Stained section*

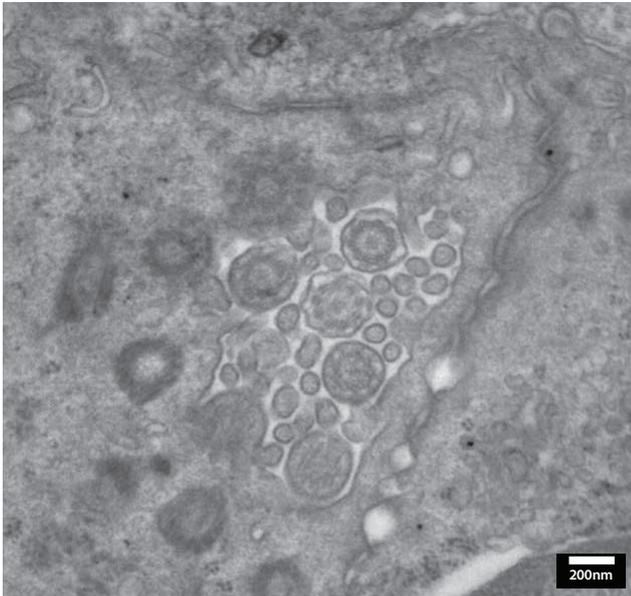
Point of interest: mitochondria of hepatocyte surrounded by droplets of fat



**TEM: Mouse Liver**

*Stained section*

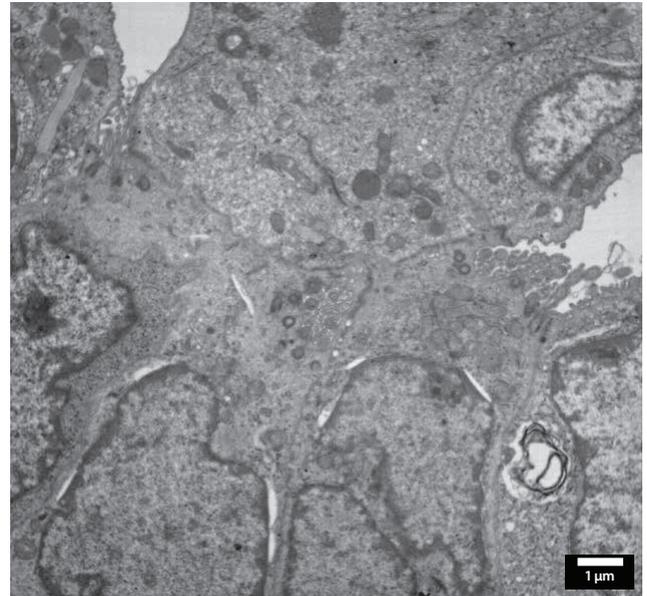
1% SM/En Acetates



**TEM: Lungs**

*Stained section*

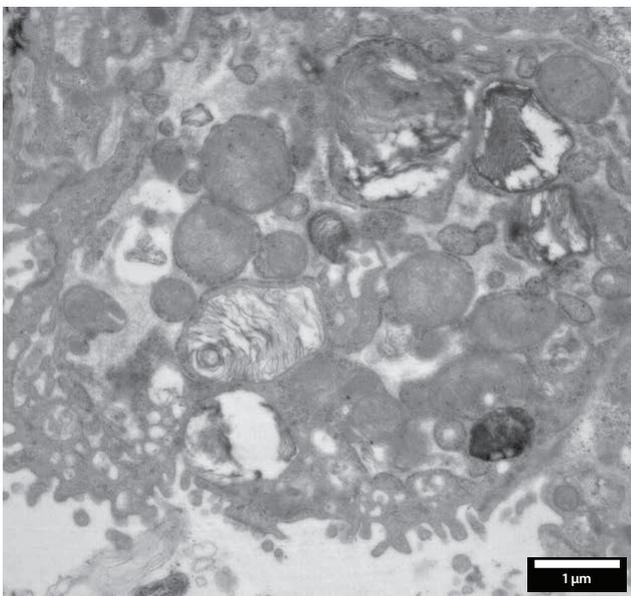
Epon embedded, 85 nm section, chemically fixed, with Uranylless/Pb staining and coated with 2nm carbon.  
Point of interest: cilia of epithel cells



**TEM: Lungs**

*Stained section*

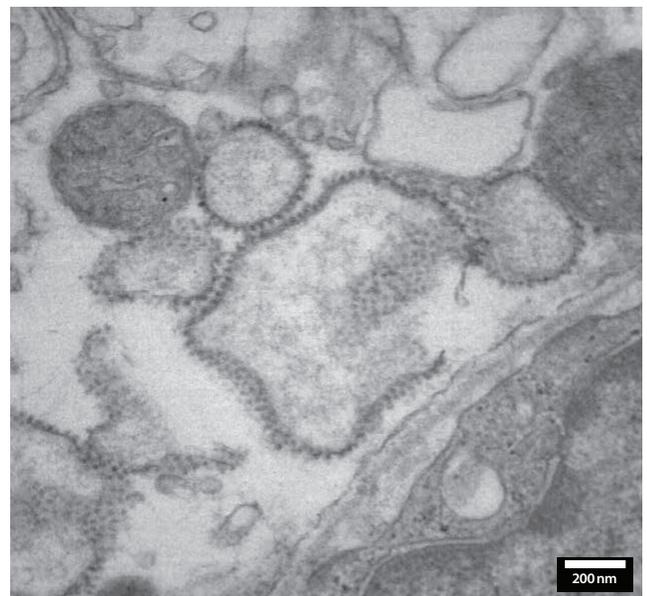
Epon embedded, 85 nm section, chemically fixed, with Uranylless/Pb staining and coated with 2nm carbon.  
Point of interest: cross-section of epithel cells with apparent multiple nuclei



**TEM: Lungs**

*Stained section*

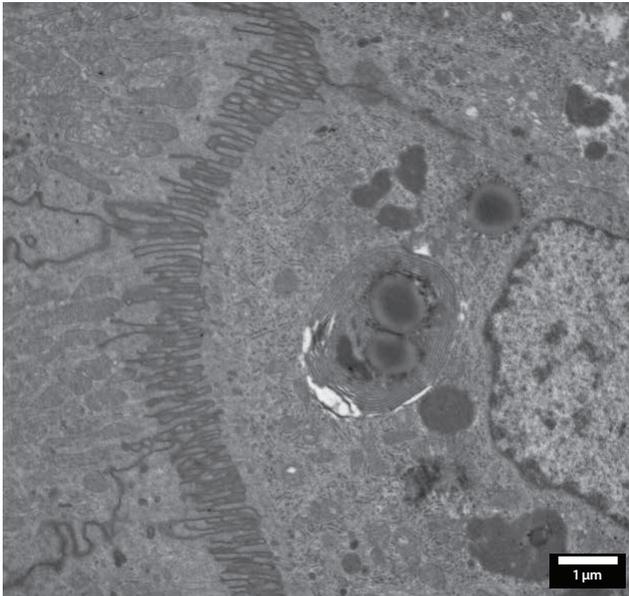
Epon embedded, 85 nm section, chemically fixed, with Uranylless/Pb staining and coated with 2nm carbon.  
Point of interest: cross-section of bronchioles with cilia



**TEM: Lungs**

*Stained section*

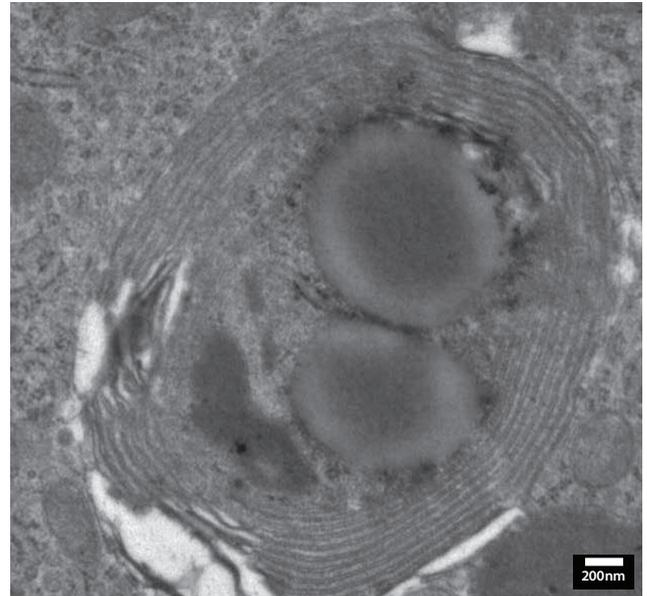
Epon embedded, 85 nm section, chemically fixed, with Uranylless/Pb staining and coated with 2nm carbon.  
Point of interest: cross-section of lungs tissue with visible basal membrane of epithel cell.



**TEM: Lungs**

*Stained section*

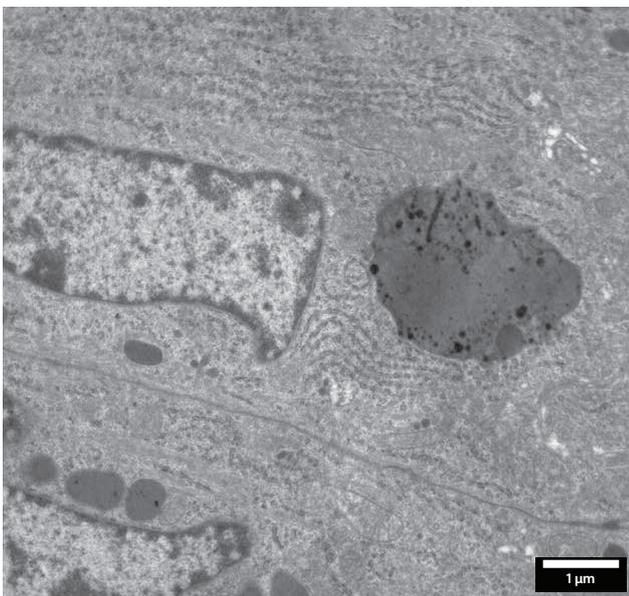
Epon embedded, 85 nm section, chemically fixed, with Uranylless/Pb staining and coated with 2nm carbon.  
Point of interest: cilia brush border



**TEM: Lungs**

*Stained section*

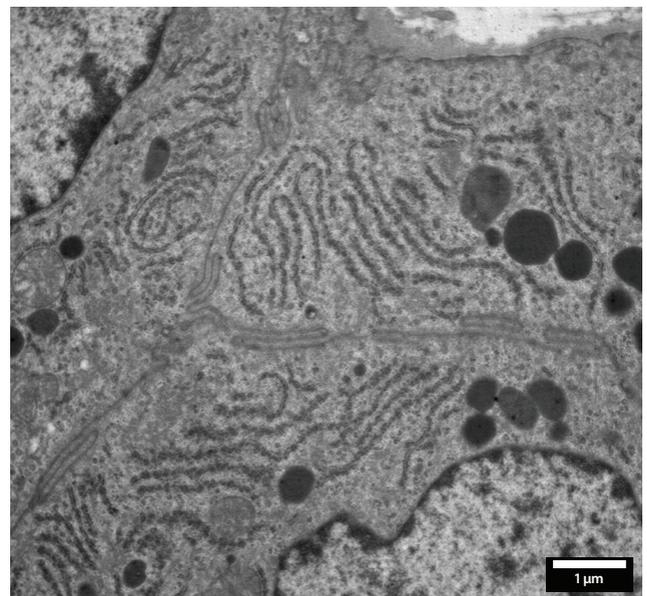
Epon embedded, 85 nm section, chemically fixed, with Uranylless/Pb staining and coated with 2nm carbon.  
Point of interest: granular endoplasmic reticulum



**TEM: Lungs**

*Stained section*

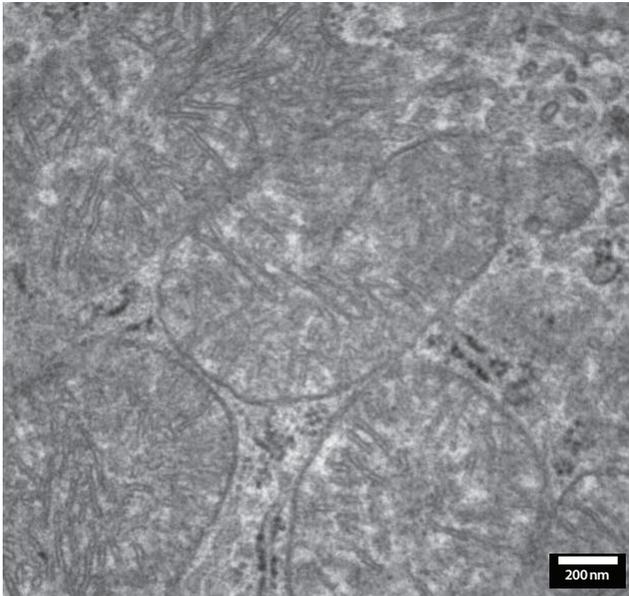
Epon embedded, 85 nm section, chemically fixed, with Uranylless/Pb staining and coated with 2nm carbon.  
Point of interest: endoplasmatic reticulum cisternae surrounding the cell nucleus



**TEM: Lungs**

*Stained section*

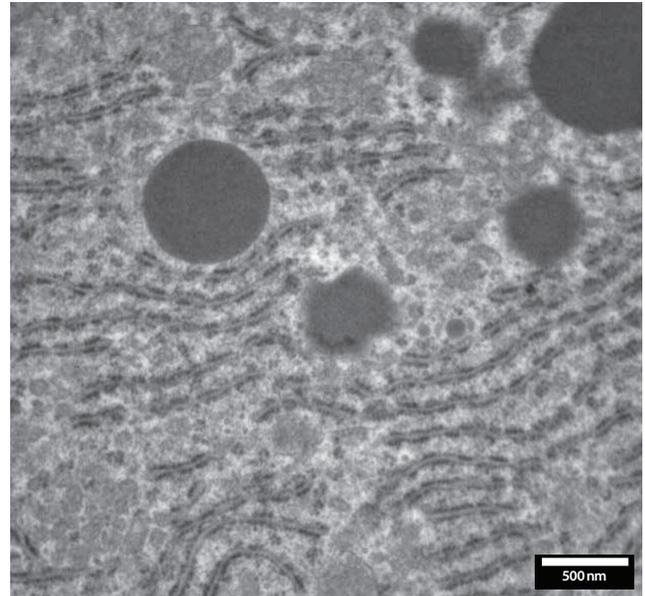
Epon embedded, 85 nm section, chemically fixed, with Uranylless/Pb staining and coated with 2nm carbon.  
Point of interest: granular endoplasmatic reticulum cisternae



**TEM: Lungs**

*Stained section*

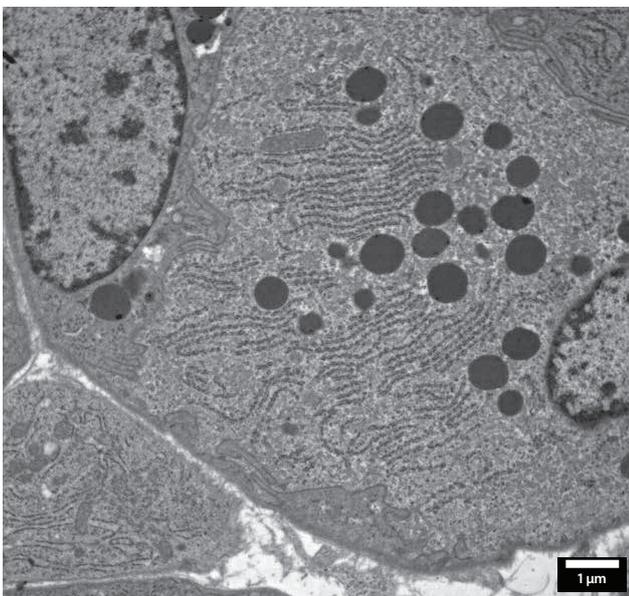
Epon embedded, 85 nm section, chemically fixed, with Uranylless/Pb staining and coated with 2nm carbon.  
Point of interest: mitochondria with visible cristae



**TEM: Lungs**

*Stained section*

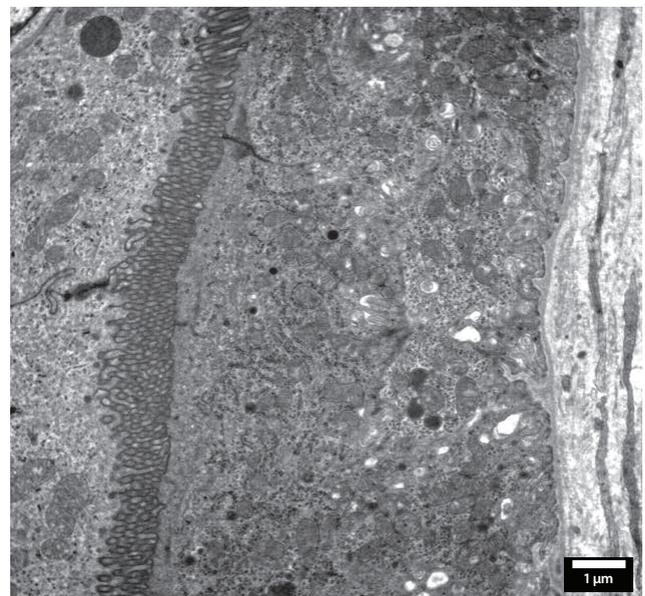
Epon embedded, 85 nm section, chemically fixed, with Uranylless/Pb staining and coated with 2nm carbon.  
Detail of GER: cisterns and fat droplets



**TEM: Lungs**

*Stained section*

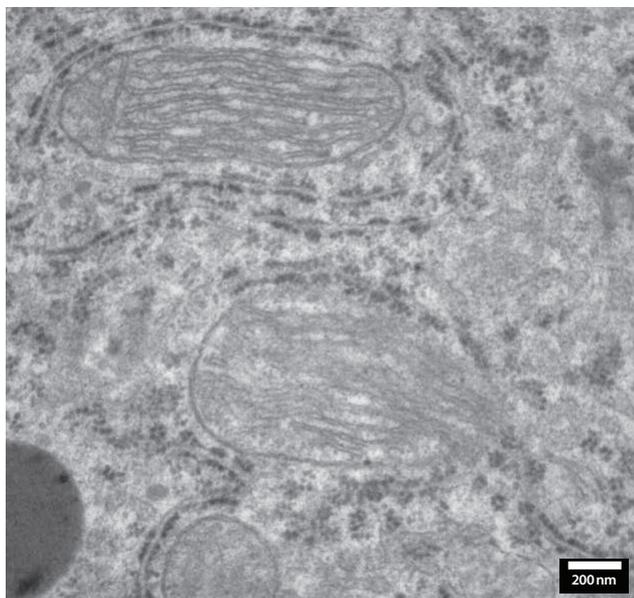
Epon embedded, 85 nm section, chemically fixed, with Uranylless/Pb staining and coated with 2nm carbon.  
Cross-section of lung cell: apparent granular endoplasmatic reticulum, cell nuclei and fat droplets



**TEM: Lungs**

*Stained section*

Epon embedded, 85 nm section, chemically fixed, with Uranylless/Pb staining and coated with 2nm carbon.  
Point of interest: cilia brush border



## TEM: Lungs

*Stained section*

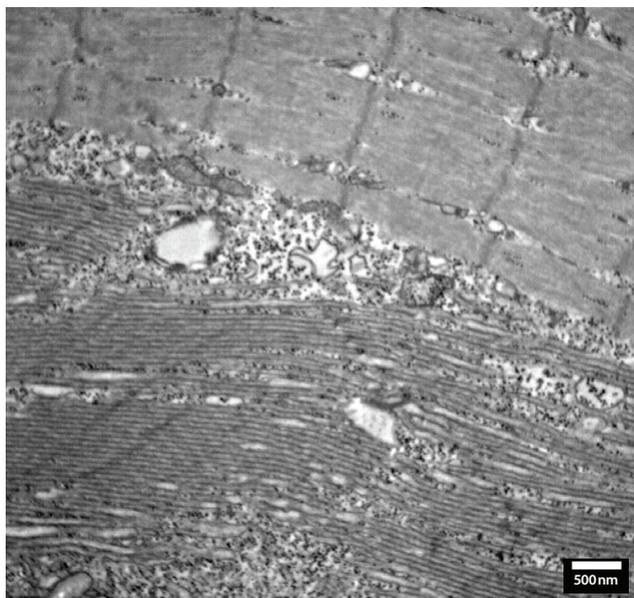
Epon embedded, 85 nm section, chemically fixed, with UAc/Pb staining and coated with 2nm carbon.  
Point of interest: mitochondria



## TEM: Lungs

*Stained section*

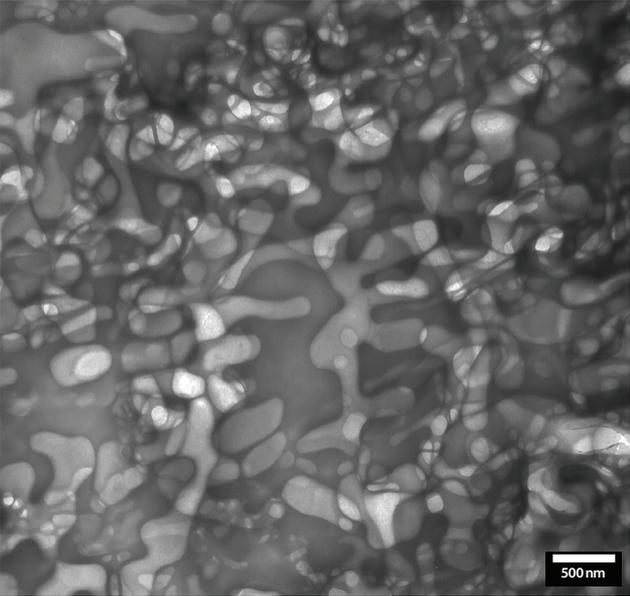
Epon embedded, 85 nm section, chemically fixed, with Uranylless/Pb staining and coated with 2nm carbon.  
Point of interest: cross-section of free cell in lung tissue



## TEM: Muscle

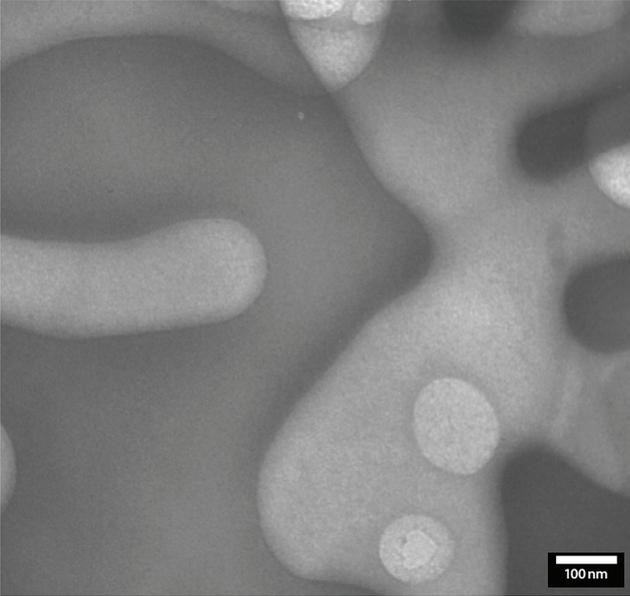
*Unstained section*

Structure of muscle cell: visible Z-lines, actin and myosin filaments



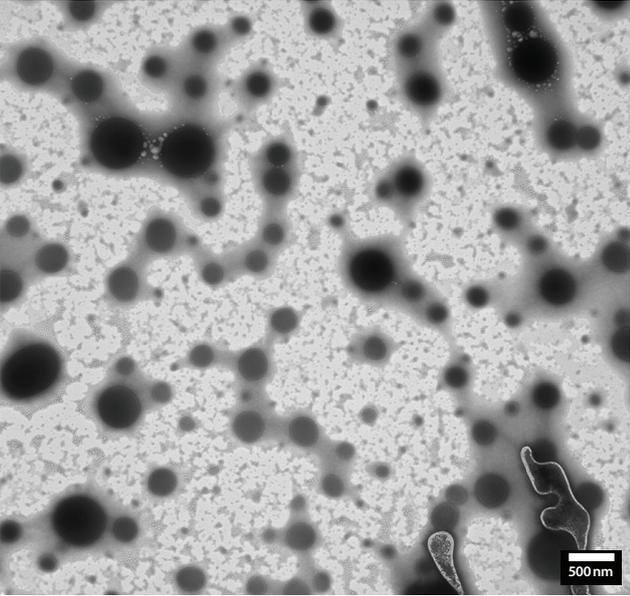
**TEM: Liposomes on Carbon**

*Particles on carbon film*



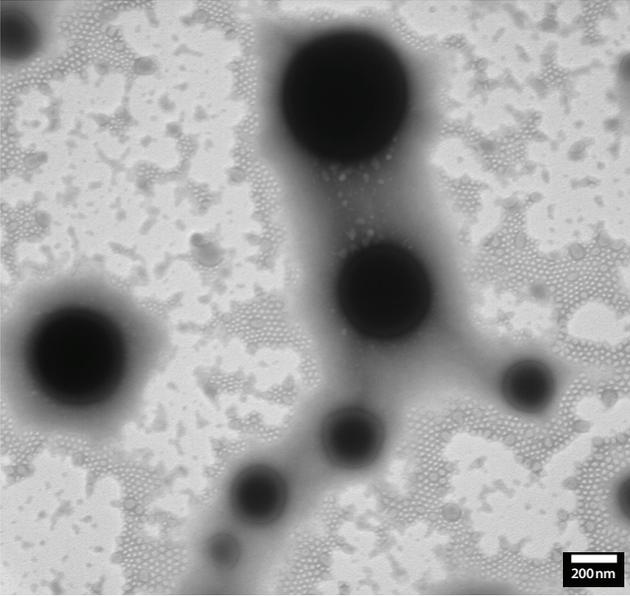
**TEM: Liposomes on Carbon**

*Particles on carbon film*



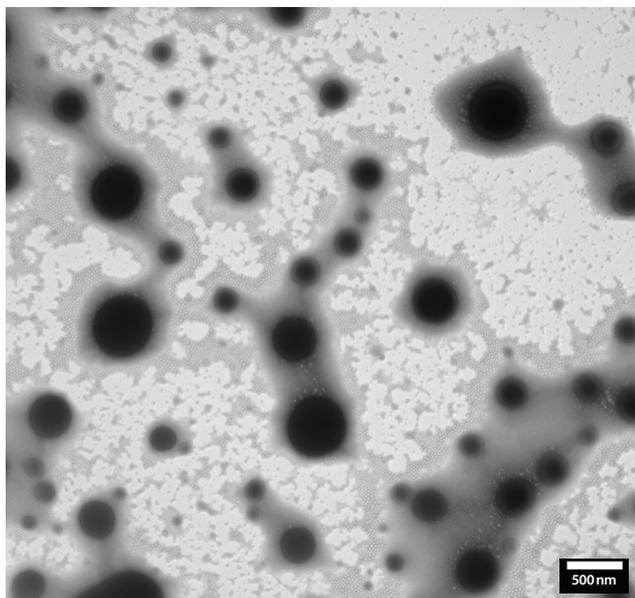
**TEM: Bupivacaine Liposomes**

*Particles on carbon film*  
Bupivacaine in aqueous solution



**TEM: Bupivacaine Liposomes**

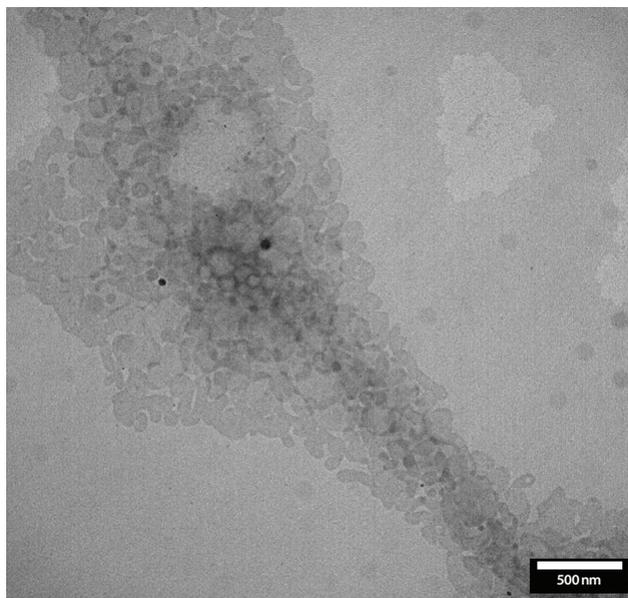
*Particles on carbon film*  
Bupivacaine in aqueous solution



**TEM: Bupivacaine Liposomes**

*Particles on carbon film*

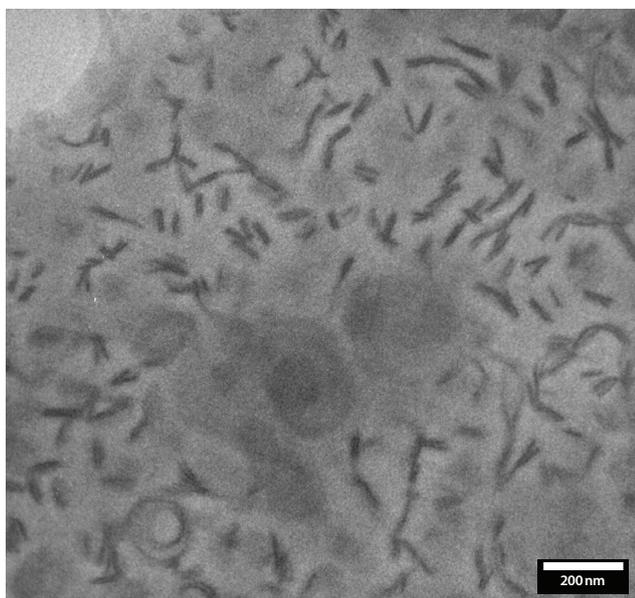
Bupivacaine in aqueous solution



**TEM: Peg and Liposome Formulation**

*Particles on carbon film*

Liposomes dispersed in 5% dextrose in water



**TEM: Liposomes**

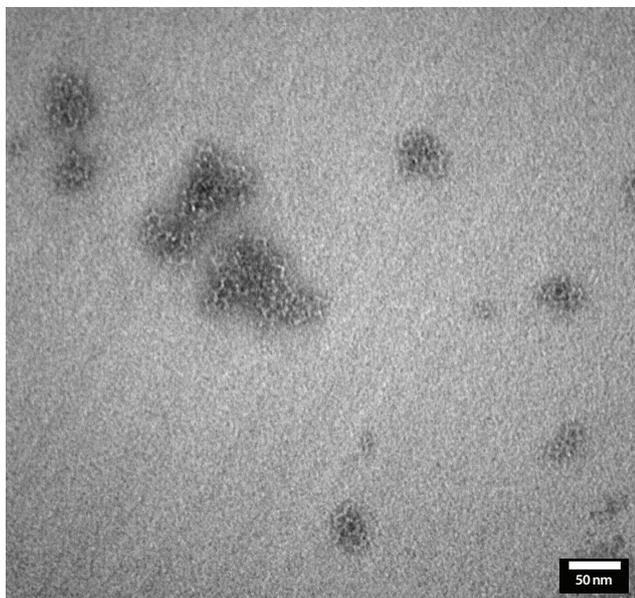
*Particles on carbon film*



## TEM: Taxol

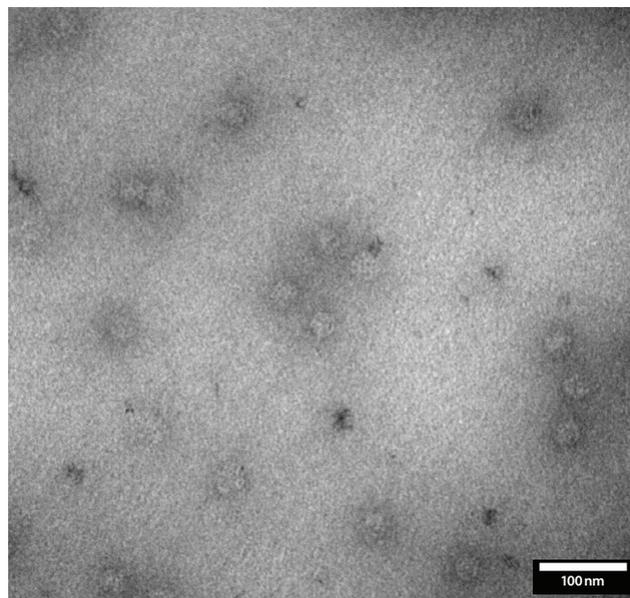
*Particles on carbon film*

Organic fibers of plant alkaloid – cytotoxic chemotherapy drug



## TEM: I301 Nanocage

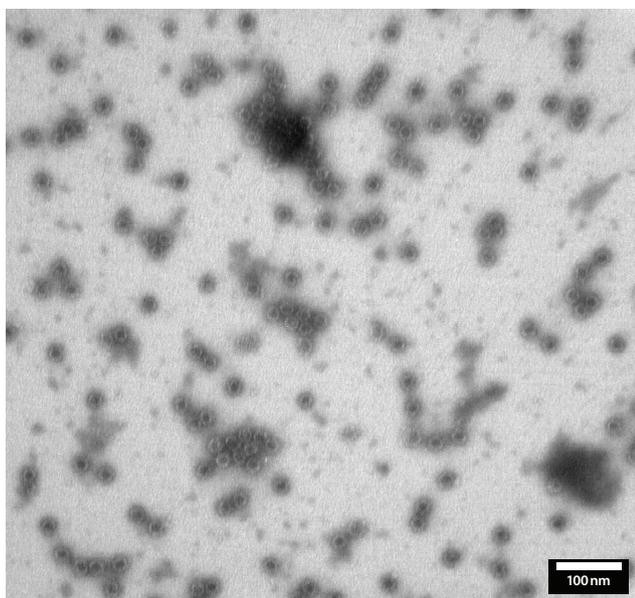
*Stained particles on carbon film*



## TEM: I301 Nanocage with GFP

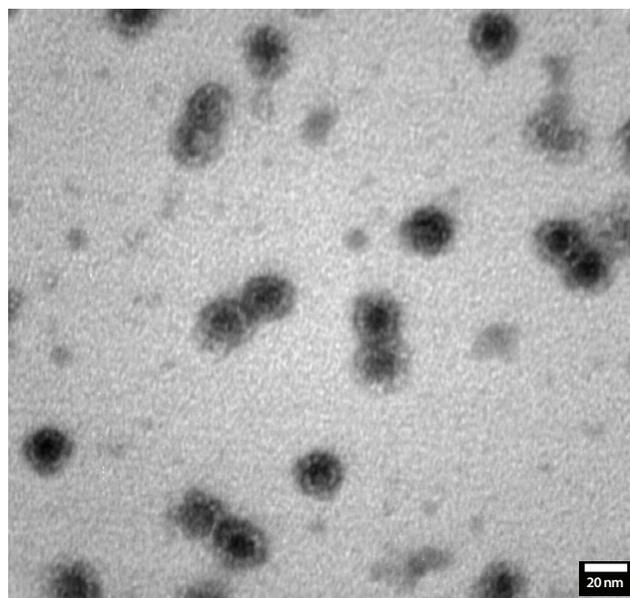
*Stained particles on carbon film*

Nanoparticles with green fluorescent protein



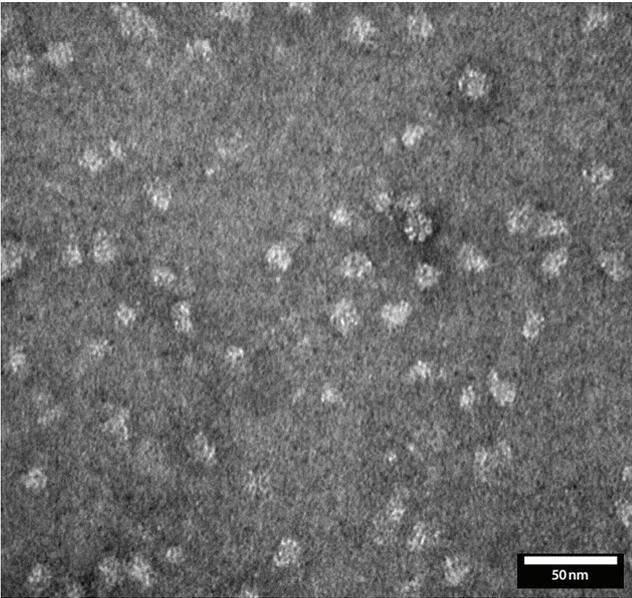
## TEM: Nanocages

*Particles on carbon film*



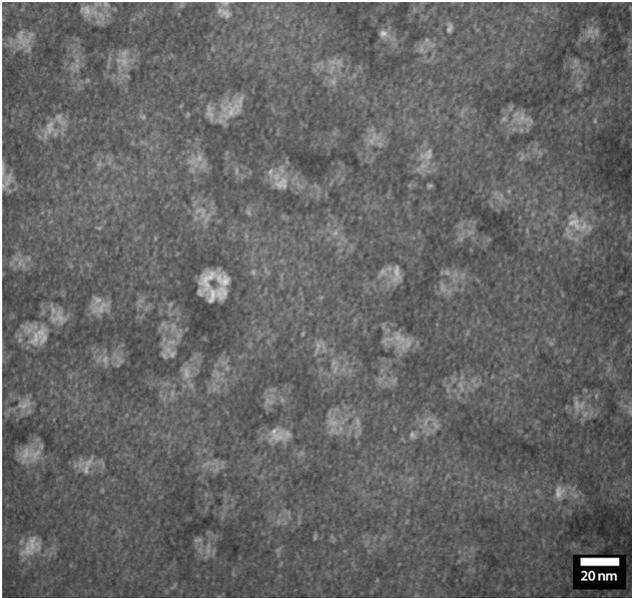
## TEM: Nanocages

*Particles on carbon film*



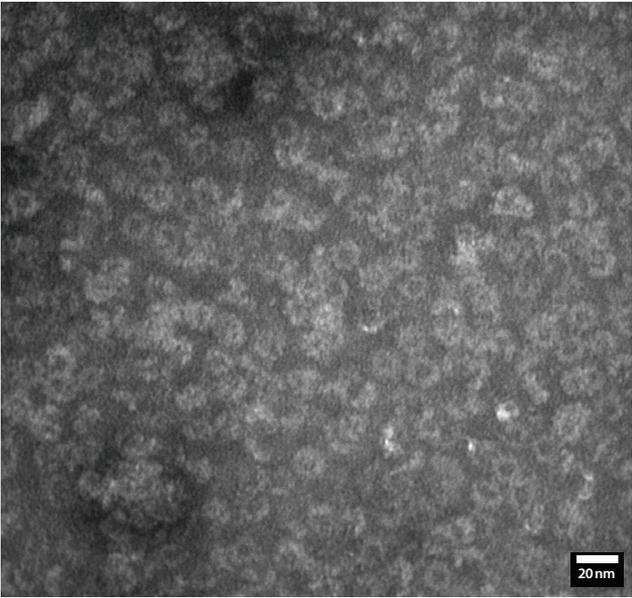
**TEM: Stained Proteins**

*Stained particles on carbon film*



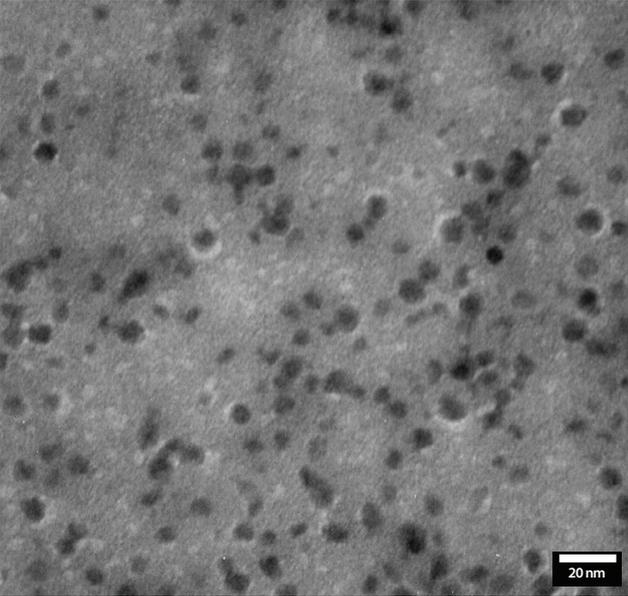
**TEM: Stained Proteins**

*Stained particles on carbon film*

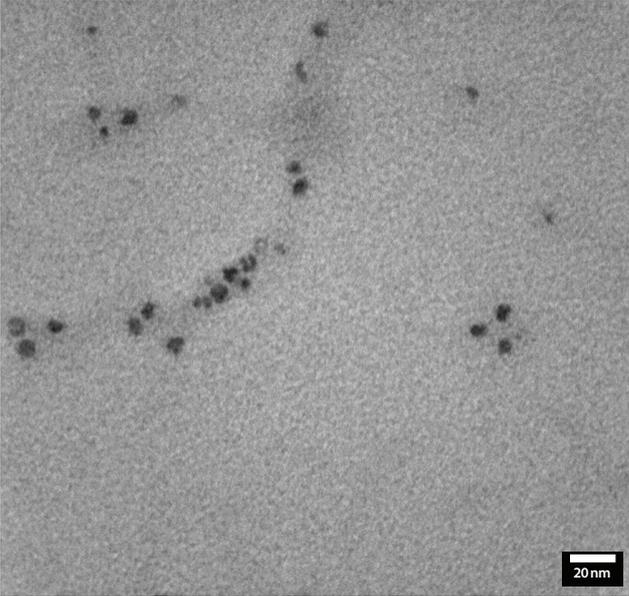


**TEM: Nano Rings**

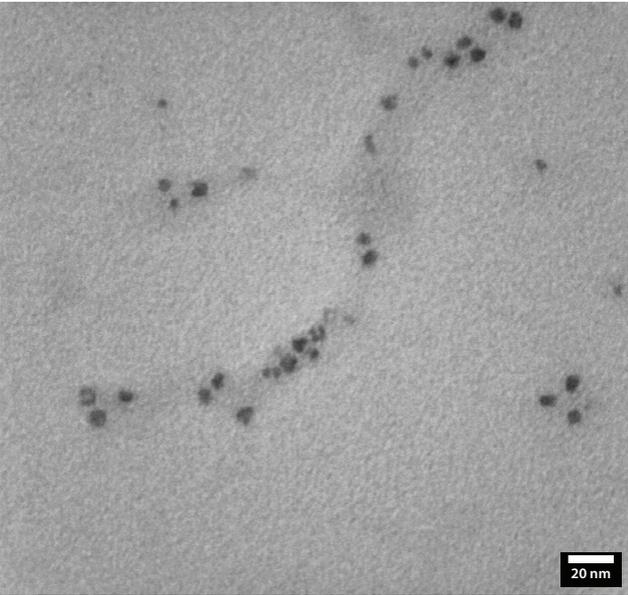
*Stained particles on carbon film*



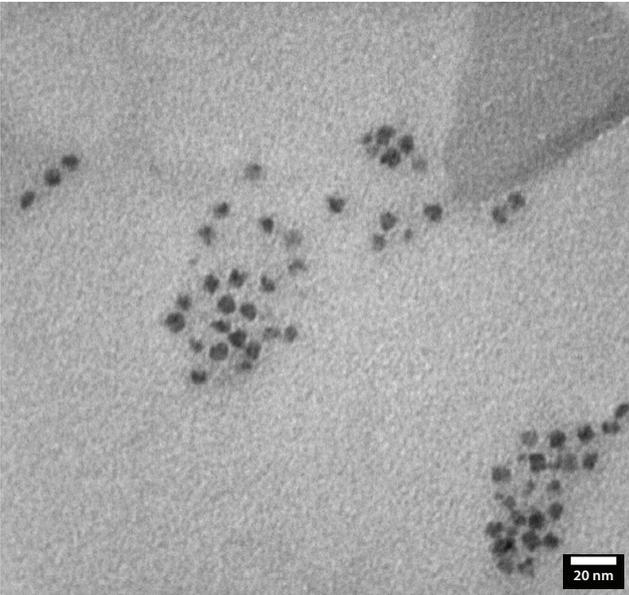
**TEM: 12nm Ferritin**  
*Particles on carbon film*



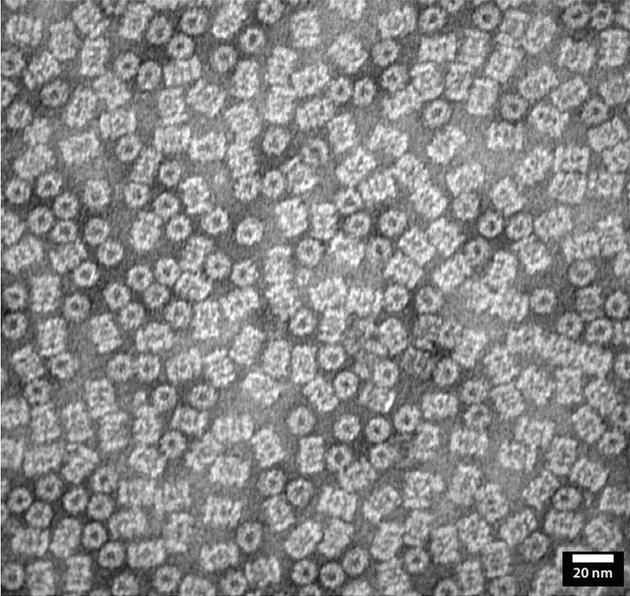
**TEM: 12nm Ferritin**  
*Particles on carbon film*



**TEM: 12nm Ferritin**  
*Particles on carbon film*

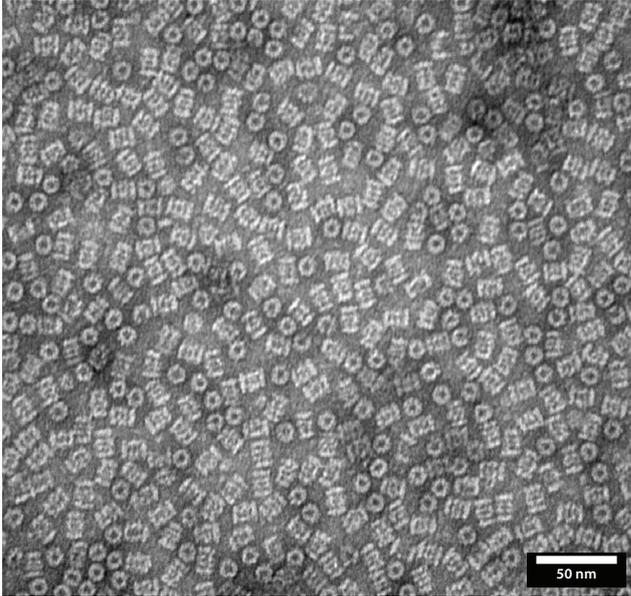


**TEM: 12nm Ferritin**  
*Particles on carbon film*



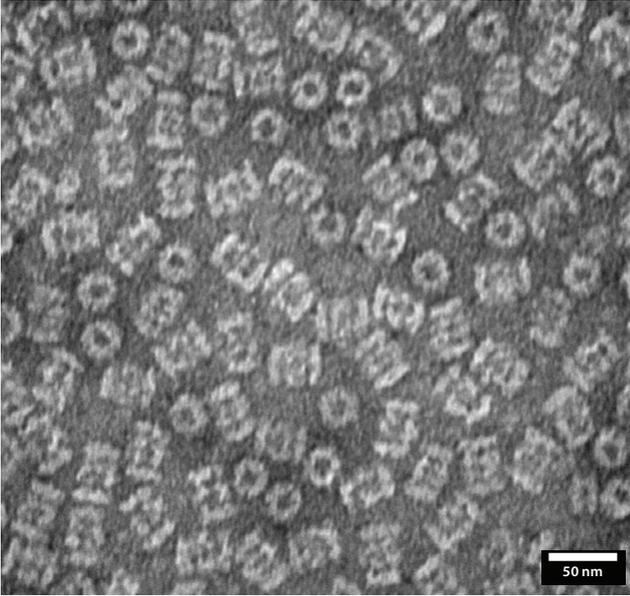
**TEM: 20S Proteasomes**

*Stained particles on carbon film*



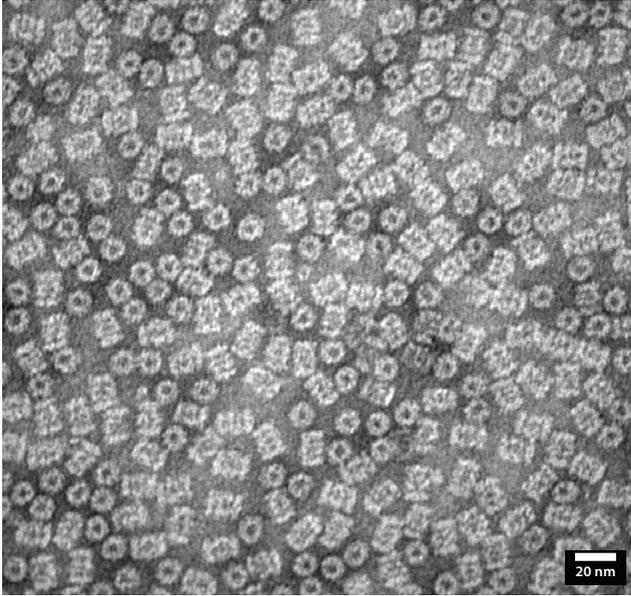
**TEM: 20S Proteasomes**

*Stained particles on carbon film*



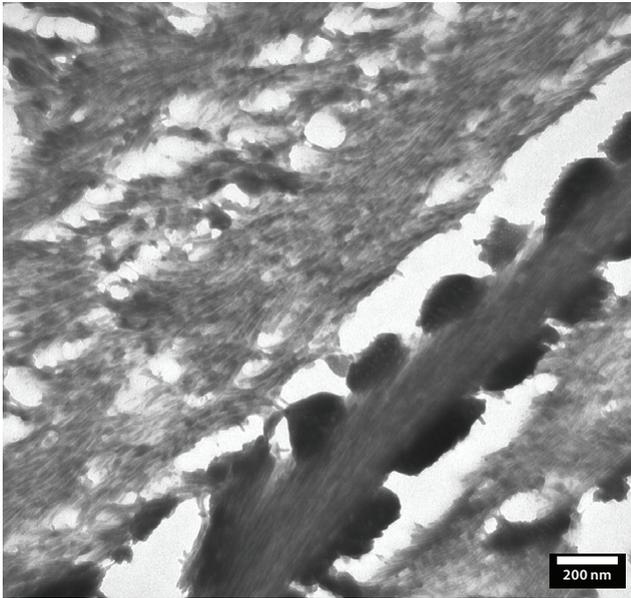
**TEM: 20S Proteasomes**

*Stained particles on carbon film*



**TEM: 20S Proteasomes**

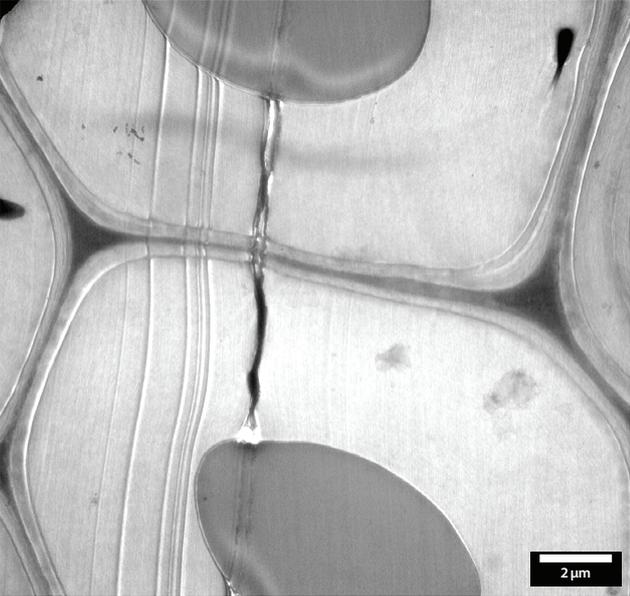
*Stained particles on carbon film*



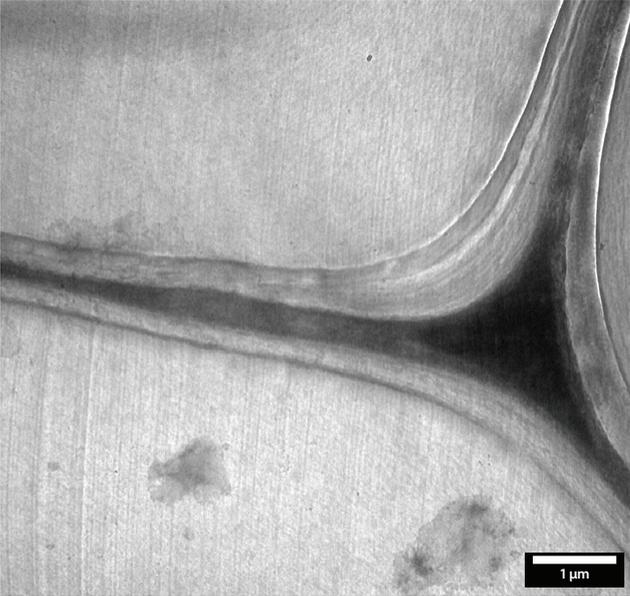
## **TEM: Insect Dactyl Impact**

*Stained section*

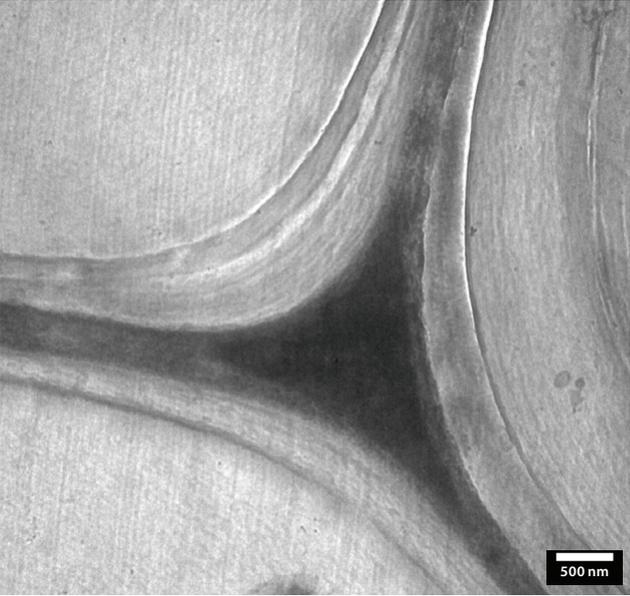
Insect dactyl impact – beetle exoskeleton



**TEM: Cellular Structure of Wood**  
*Stained section*



**TEM: Cellular Structure of Wood**  
*Stained section*



**TEM: Cellular Structure of Wood**  
*Stained section*