Thermo Fisher SCIENTIFIC

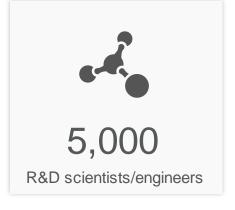
Mission:

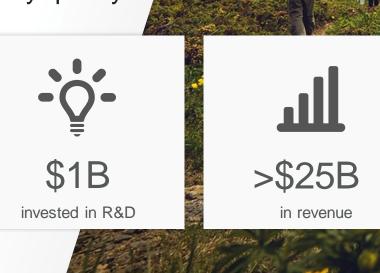
We enable our customers to make the world healthier, cleaner and safer.

Customer focus:

We help accelerate innovation and enhance productivity for our customers, underpinned by quality.





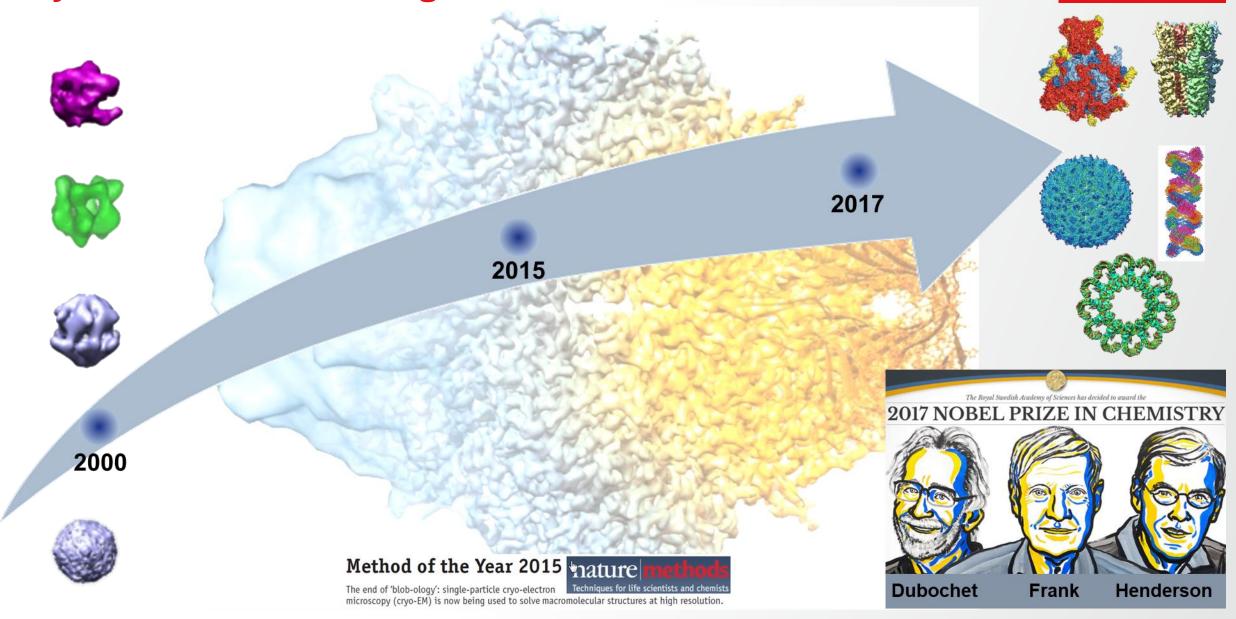




The world leader in serving science



CryoEM and SPA have gone from blobs to Stockholm!



Thermo Fisher

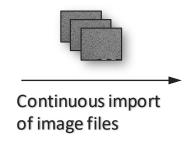
From Proteins in Solution to Atomic Model

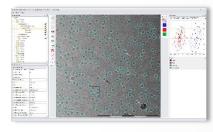


The cryo-EM workflow in GMP environment

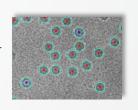




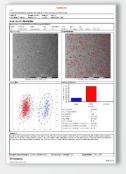




Data anlysis software (VAS, Amira)



Independent review



Analysis Report



Particle size distribution

This analysis is applicable for a wide range of samples, both for particles of biological origin and inorganic particles



Purity

This analysis is suitable for verifying downstream process capabilities for samples such as gene therapy vectors, viral vaccines or liposomal drugs.



Integrity

This analysis is suitable to verify upstream and downstream conditions for samples of gene therapy vectors, viral vaccines or liposomal drugs.



Morphology

This analysis is applicable when detailed structural informationen is needed for both particles of biological origin and inorganic particles.

Processing



Filled/Empty

This analysis determines the packaging efficiency of liposomes or the percentage full capsids of viral vectors.



Cell bank testing

This application shows MiniTEM retroviruses in production cell lin

Starting with Cryo-EM



In-house Cryo-EM lab

 Purchase equipment including training and support in setting up the lab



Leasing

- Financing options through Thermo Fisher Financial Services
- Unique financing options for leasing and other flexible solutions



Cryo-EM Access as a Service

- Global network of CROs
- Supported by Thermo Fisher
- Step-wise introduction to cryo-EM



https://www.thermofisher.com/nl/en/home/electron-microscopy/life-sciences/drug-discovery.html



Thank you igor.nederlof@thermofisher.com