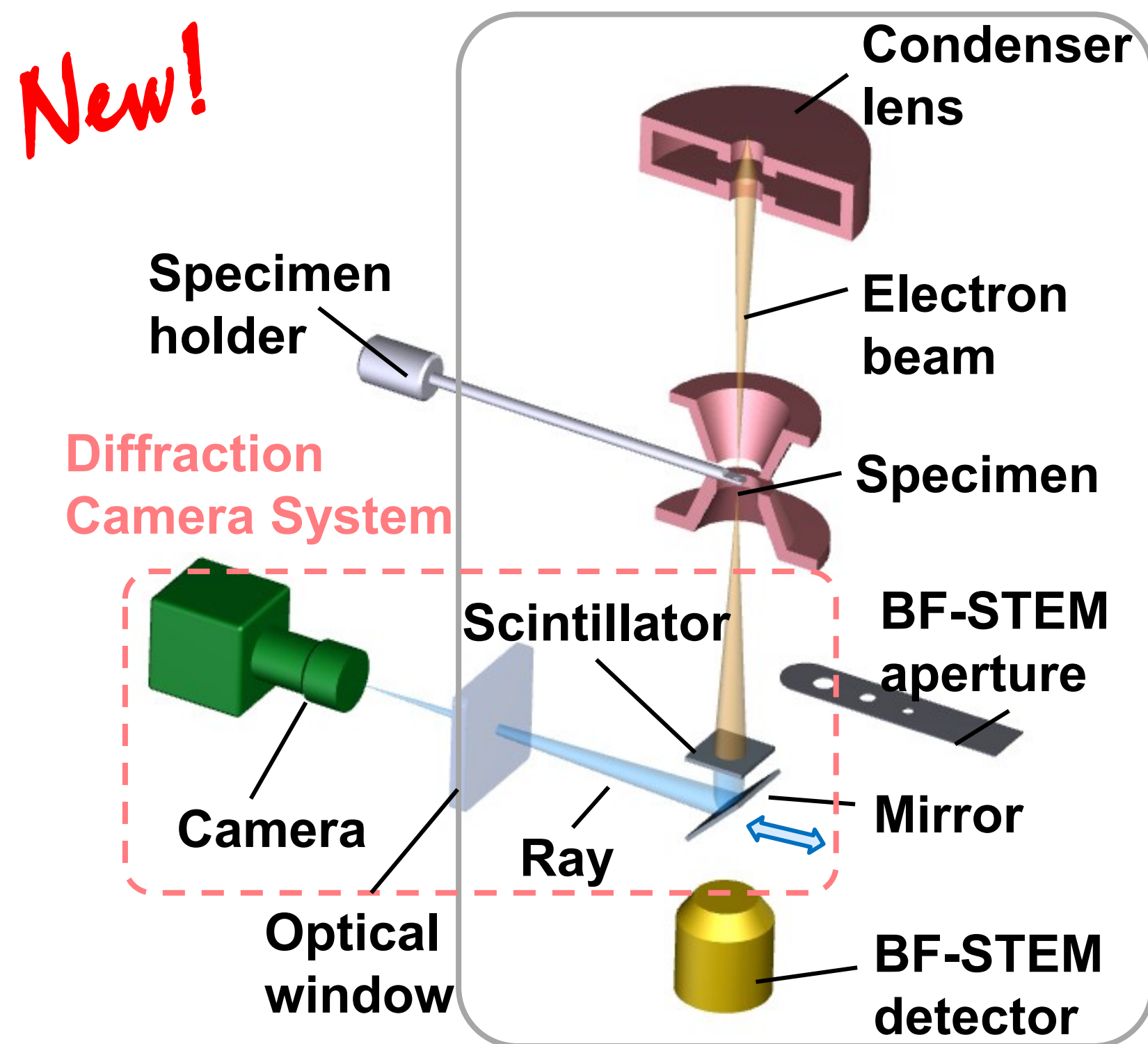


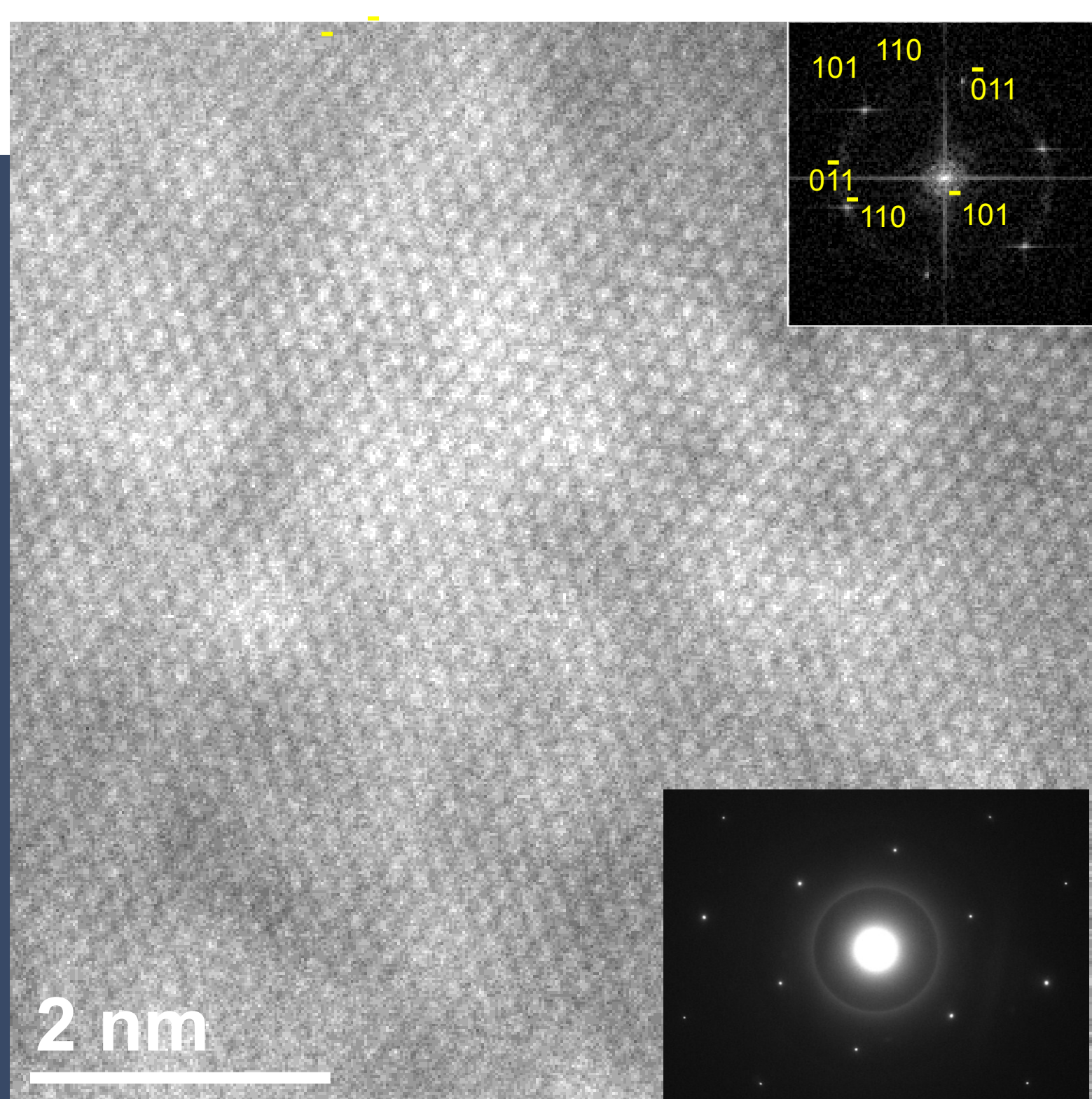
XHR True Inlens SEM/STEM



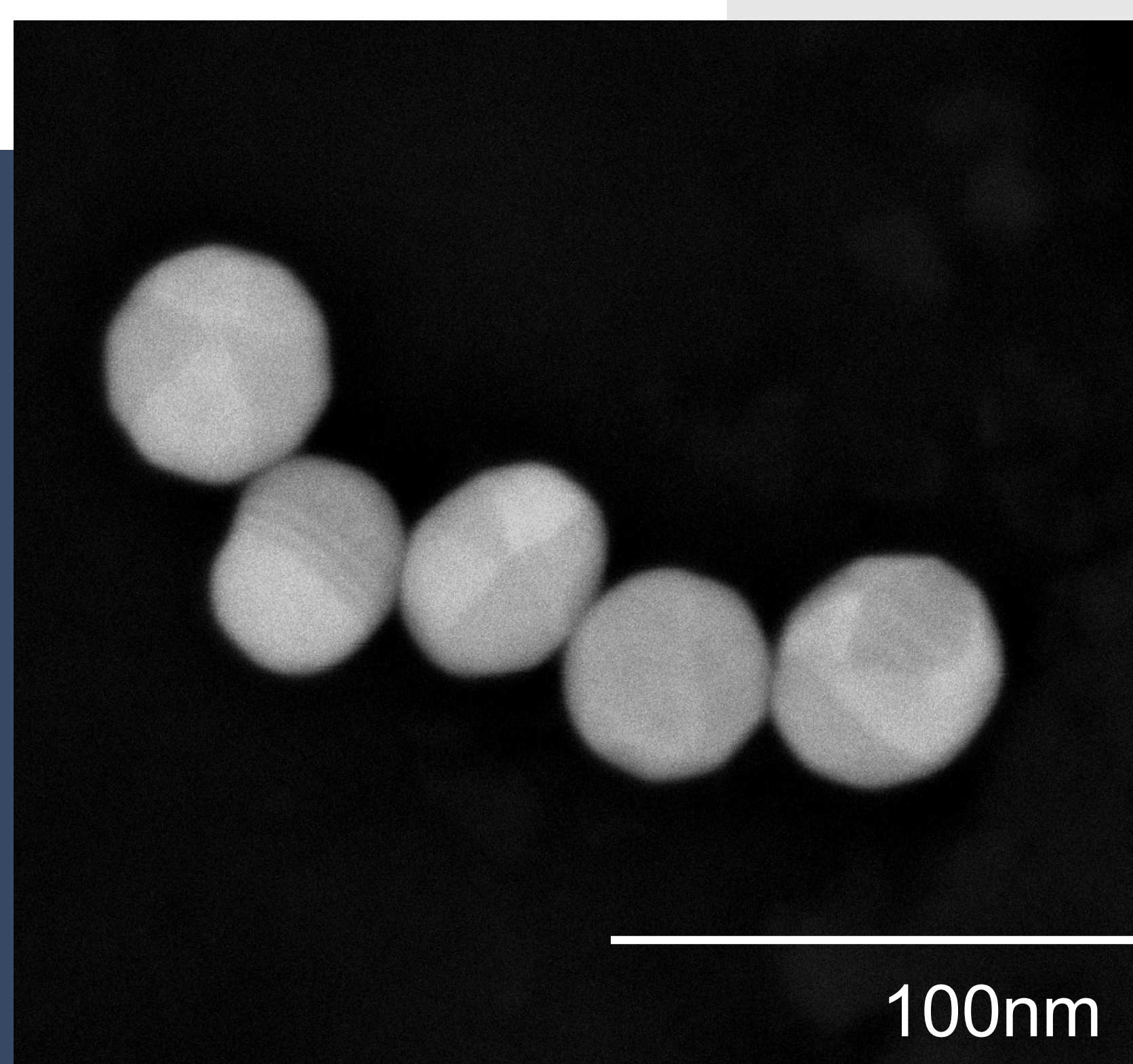
Diffraction Camera now available



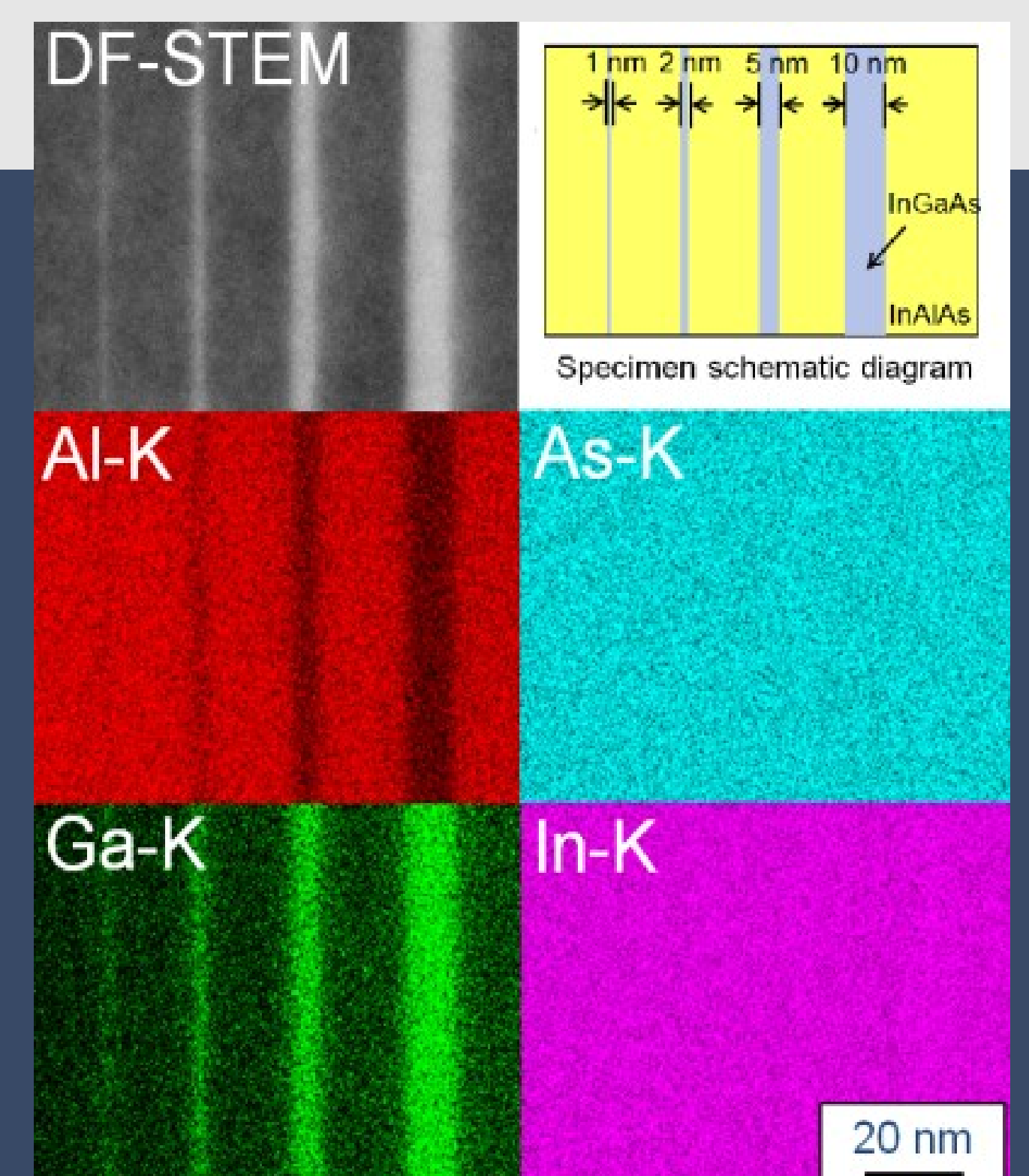
- **Highest usable resolution:**
0.8nm @ 1kV (with beam deceleration)
0.4nm @ 30kV
0.34nm @ 30kV STEM (0.21nm attainable)
(lattice structure of graphene)
- **Novel Cold Field-Emission Gun**
with high current stability and double current output compared to the conventional design for brilliant images
- **Dual inlens detection with SE/BSE separation and energy filtering**
- **BF/DF Duo STEM detector with variable DF scattering angle selection up to 650mrad (option)**
- **4-signal simultaneous display ability**
- **Minimized sample contamination**
by high vacuum level in specimen chamber
- **Large solid angle EDX, cryo holder, beam deceleration** and other options
- **Diffraction camera (option)**



BF-STEM image of Graphene and its Diffraction pattern.
(V_{acc} =30 kV, Mag.: x 3,000,000)



HA-BSE image of Au- nanoparticles, featuring their crystal nature.
(V_{acc} =3kV, Mag.: x 500,000)



30kV EDX map of III-V QWS
Mag.: x 1,000,000 t=15min