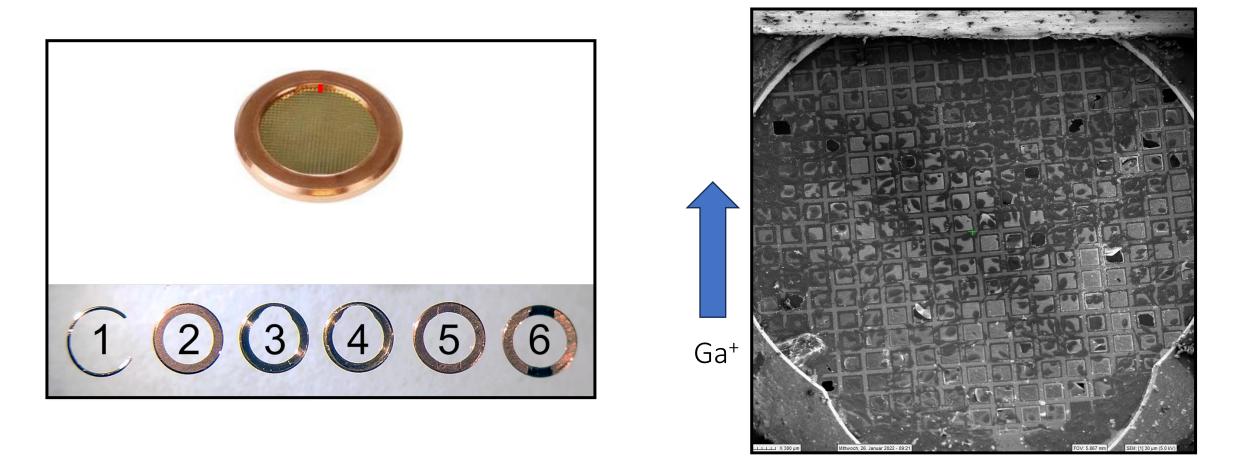
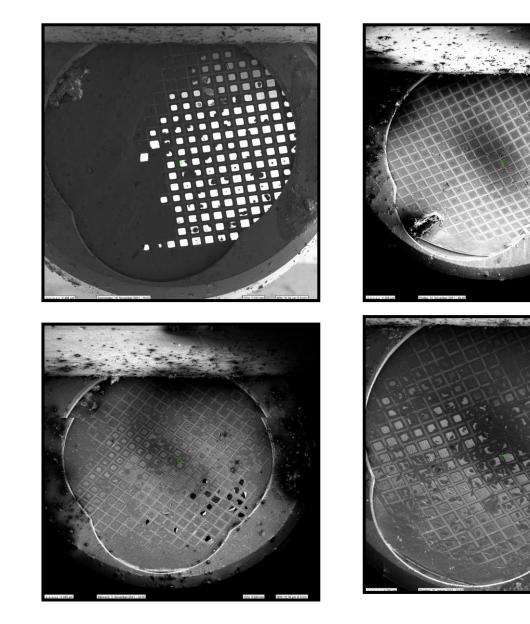


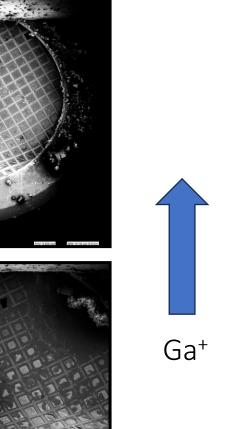
Center for Microscopy and Image Analysis www.zmb.uzh.ch

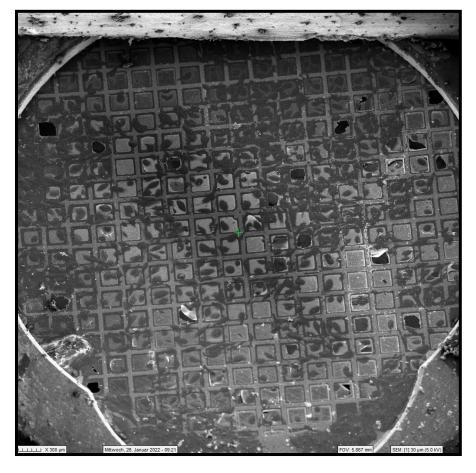
## Modified autogrids for efficient cryoFIB-cryoET workflow

### FIBAutogrid and its orientation in FIB-SEM

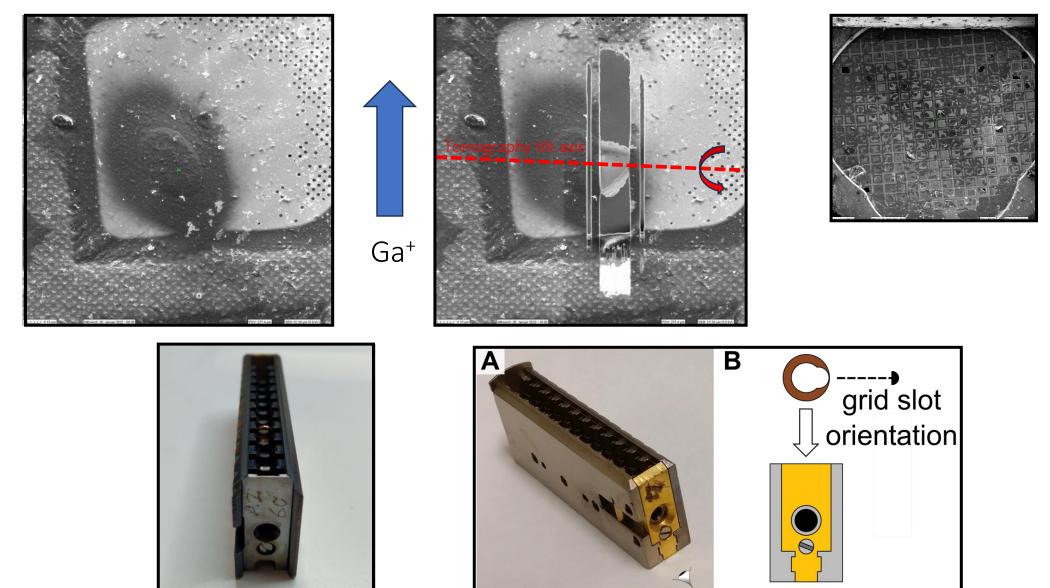








#### Cryo transfer to Krios – orientation is important!



Medeiros et al. Ultramicroscopy 2018



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- Cryotransfers (to FIB-SEM and to TEM)
- Ice contamination
- Grid orientation

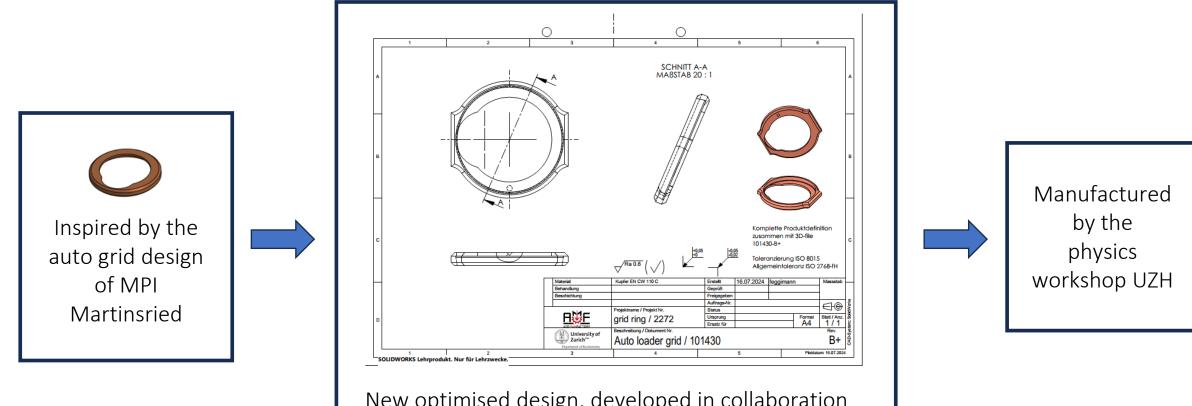
Solution: modified flat-sided FIB autogrids



# Development and production



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New optimised design, developed in collaboration withAMF



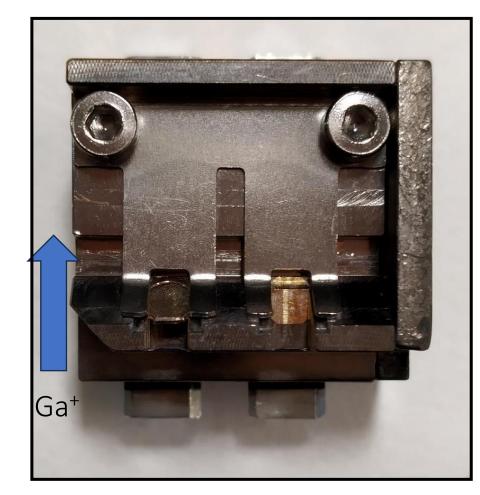
# Implementation

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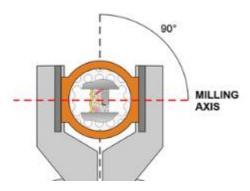
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Flat-sided FIB autogrids





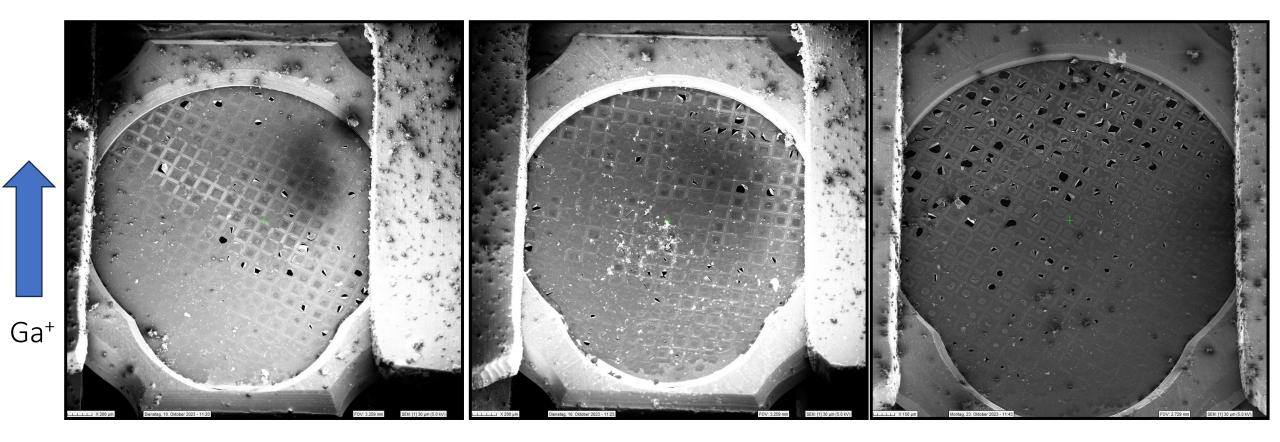


modified, flat-bottom FIB-SEM cryo shuttle Facilitated transfer to Krios

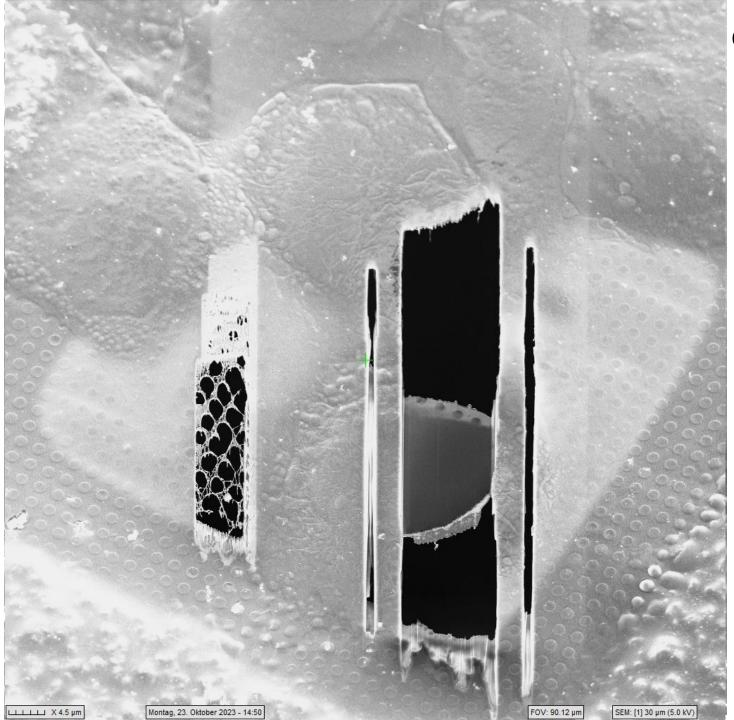


### cryoFIB-SEM

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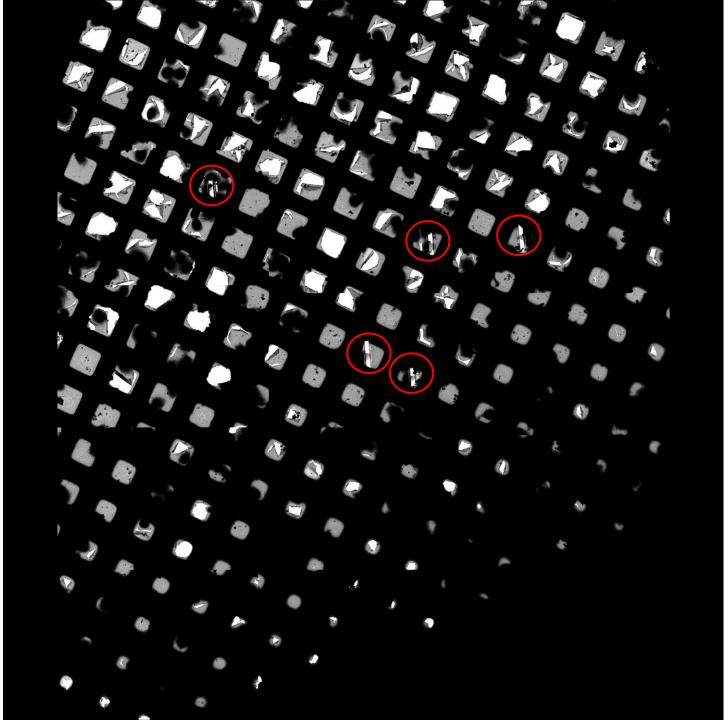




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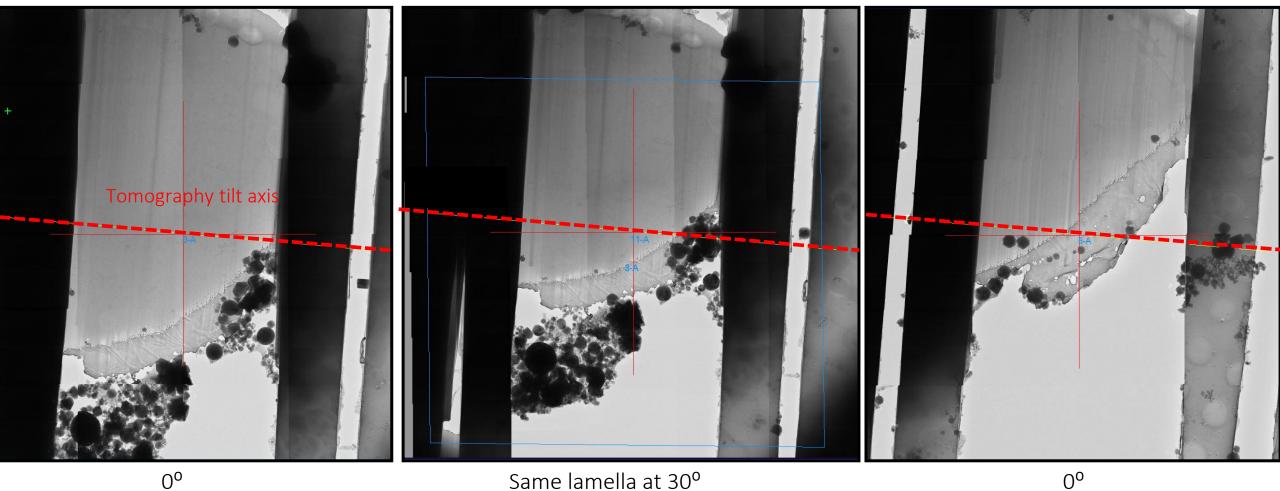
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Same lamella at 30°

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