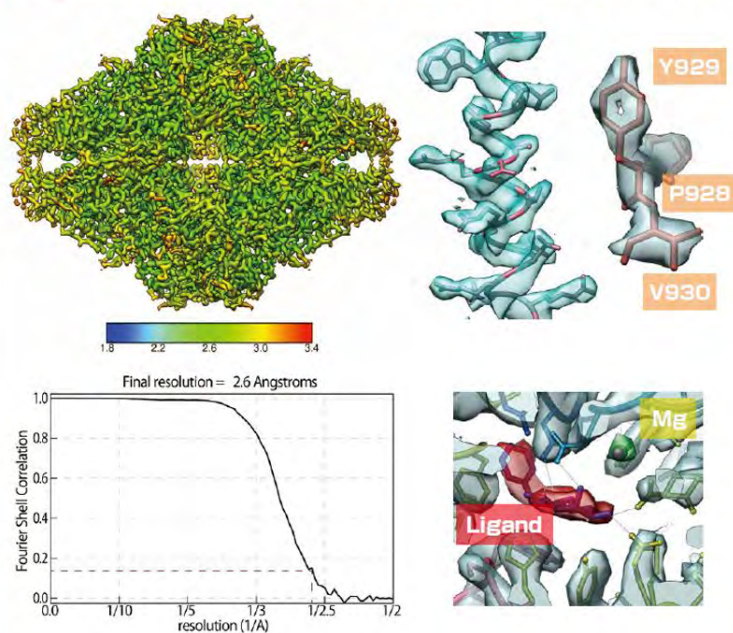


# Frontiers in Microscopy & Microanalysis

## JEOL & the occurrence of the next Ice Age



### *β-galactosidase at 2.6 Å resolution*



Sample	: β-galactosidase with PETG
Microscope	: CRYO ARM™ (Schottky 200 kV) / K2 summit
Number of Images	: 2,500 over 3 days by JADAS
Image pixel size	: 0.8 Å/pixel
Number of particle images	: 350,000 (initial pick up) 88,564 (for final 3D reconstruction)
Software	: Motioncor2, Gctf, Gautomatch, Relion2.0
Total dose	: 70 e <sup>-</sup> /Å <sup>2</sup> (70 frames (0.2 sec/frames x 14 sec))

Data: courtesy by Dr. T. Kato and Dr. K. Namba, Osaka University, August 2017

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The University of Queensland  
AIBN #75 Level 1  
Seminar Room  
13th June 2018 14:00 - 16:00

