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MSA Microscopy Society of America

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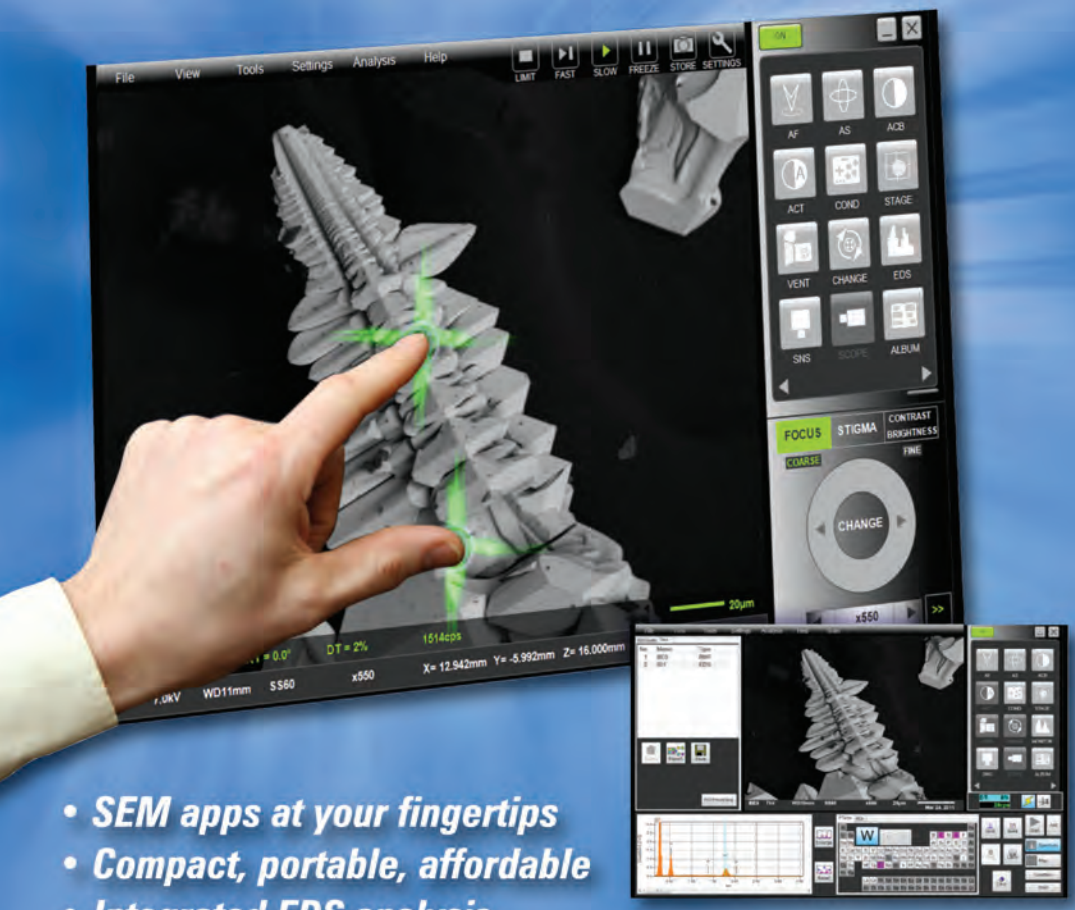

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Four types of communications are published in the Journal. **Regular Articles** are of substantial length and describe the findings of an original research project that satisfies the aims and scope of the Journal, described above. **Review Articles** summarize the current status of an important area within the aims and scope of the Journal. **Letters to the Editor** usually contain comments on recent articles that have appeared in the Journal. **Book Reviews** are also published, but these are solicited only through the Book Review Editor.

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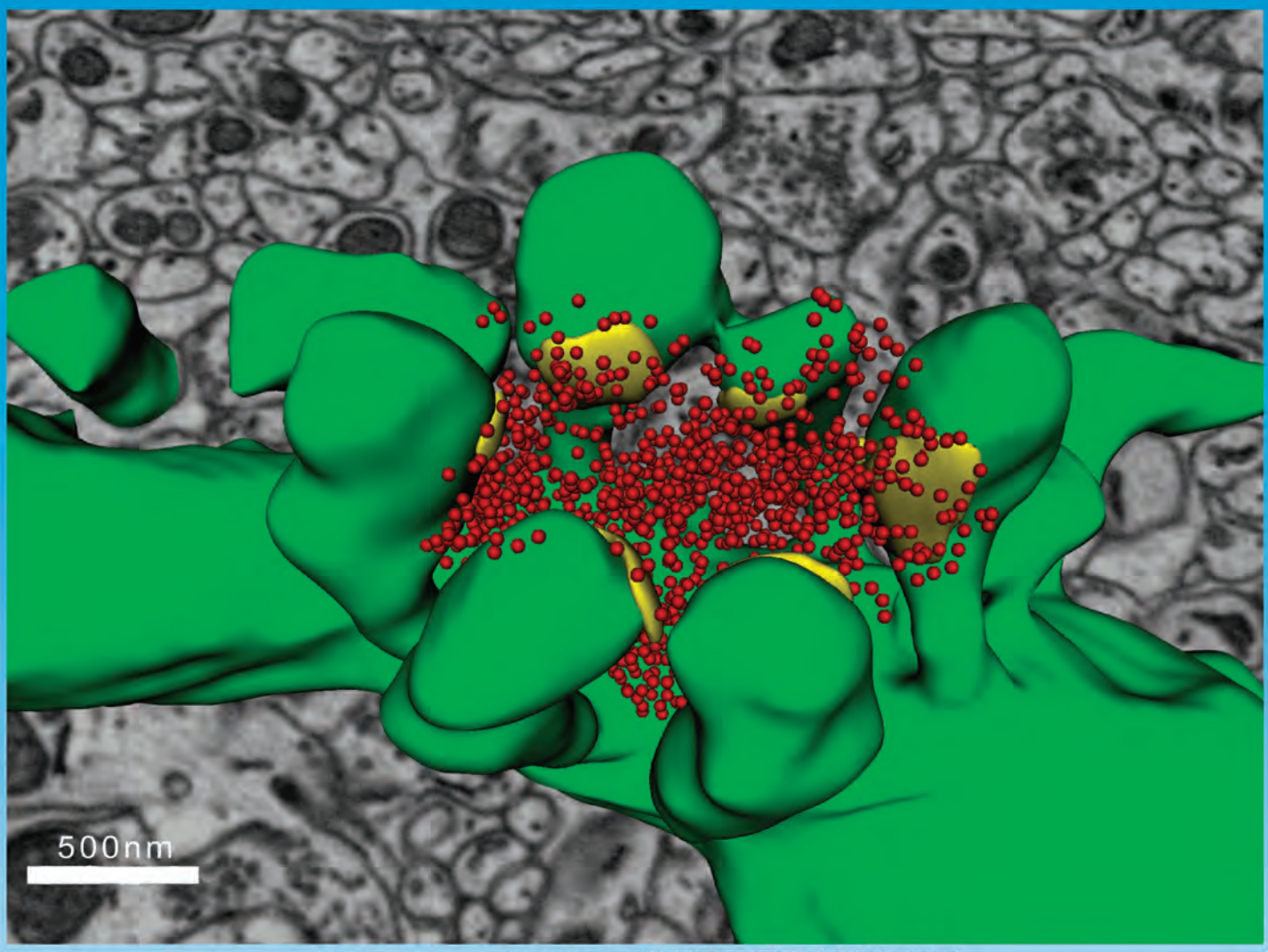

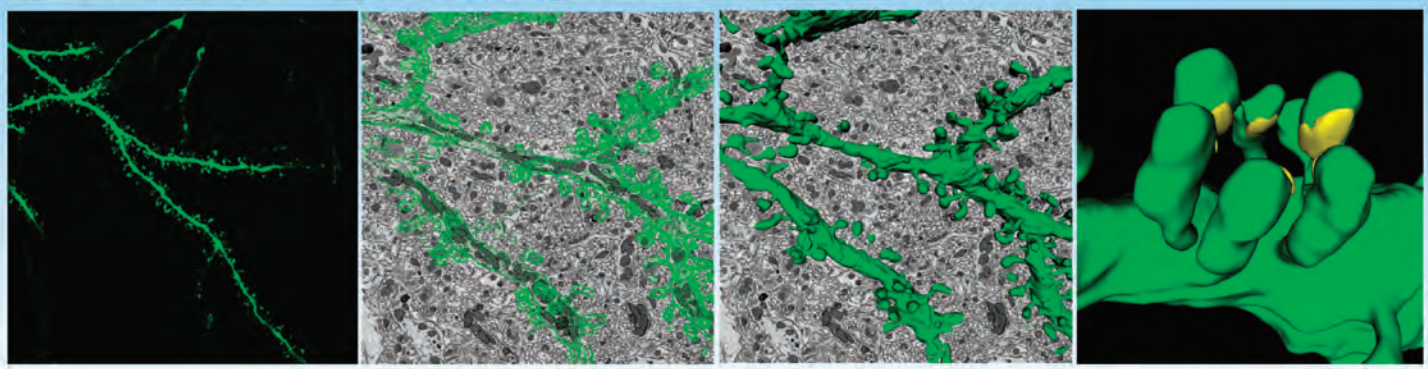

Top: A 3D reconstruction of a dendrite from a 15,625 µm³ (25 x 25 x 25 µm) volumetric data set containing 500 serial images of mouse cerebellum generated by Gatan 3View®. Dendrite structure (green), buttons (yellow), and vesicles (red). Bottom Left: Confocal image of a dendrite. Middle left: 3View® image showing wire frame traces. Middle right: Wire frame traces rendered into a volumetric model. Bottom right: Ultra resolution dendritic spine model with synapses. Sample courtesy of Tom Deerinck and Dr. Mark Ellisman, National Center for Microscopy and Imaging Research, University of California, San Diego. Serial images were segmented using Imaris to create a 3D model of a neuron of interest.

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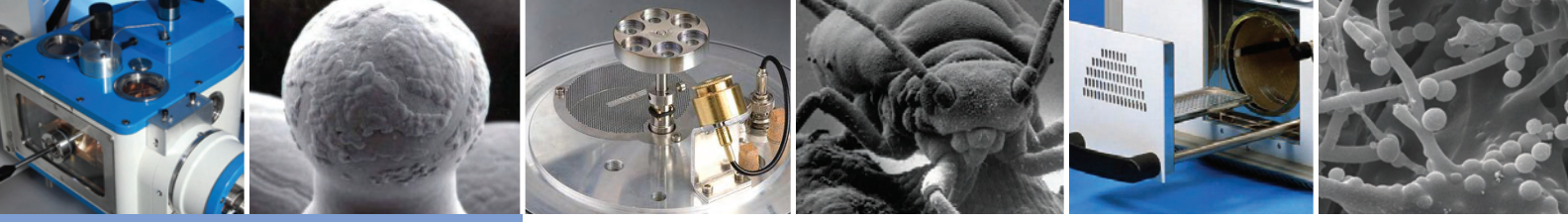

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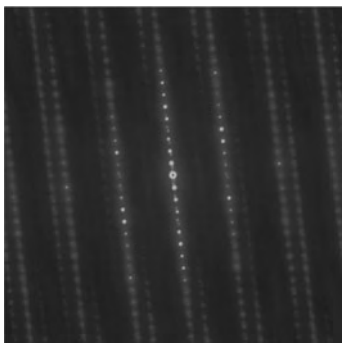

On the Cover: Electron diffraction pattern of aspirin. For further information see Jiang et al., pages 879–885.

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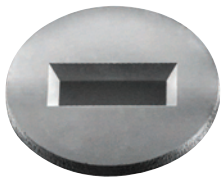

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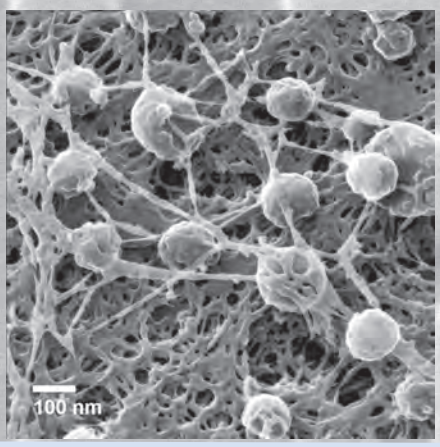

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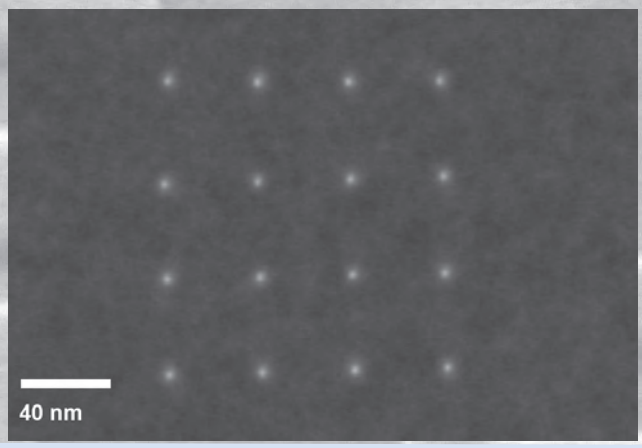

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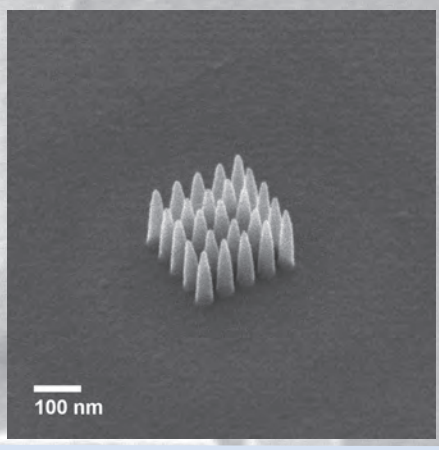

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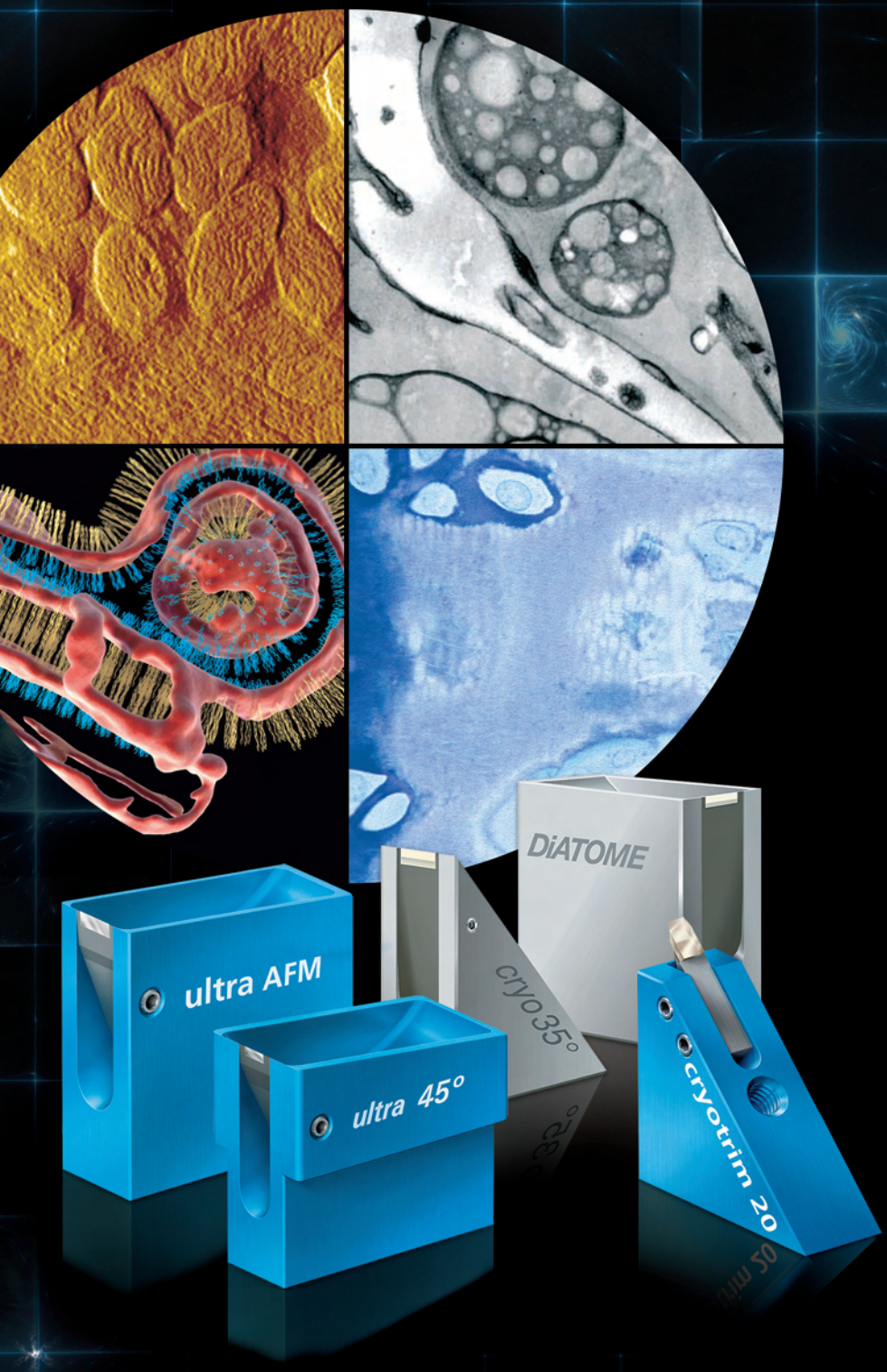

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