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Cover picture: Model of a portion of the Golgi ribbon from a fast-frozen, freeze-substitution–fixed NRK cell. This model was built from 257 tomographic slices of a dual-axis high voltage EM tomogram and includes a volume of ~1 × 1 × 4 μm. The top figure depicts a side view (cis top) and the bottom figure a cis side view of two Golgi stacks separated by a noncompact region. Elements of the ER-Golgi intermediate compartment are colored yellow; cisternae of the cis and trans ER are blue-gray, while the polysomes are purple dots; the different Golgi cisternae are dark green, dark blue, dark pink, light green, light pink, gold, and red. Coated budding structures are seen on all cisternae (non-clathrin blue stippled, clathrin yellow stippled). Tubular extensions are seen on both cis and trans cisternae. The model also shows 394 vesicles (clathrin coated, non-clathrin coated, non-coated) that were observed within 0.2 μm of the cisternal membranes. See related article in this issue by Ladinsky et al., 1135–1149.

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