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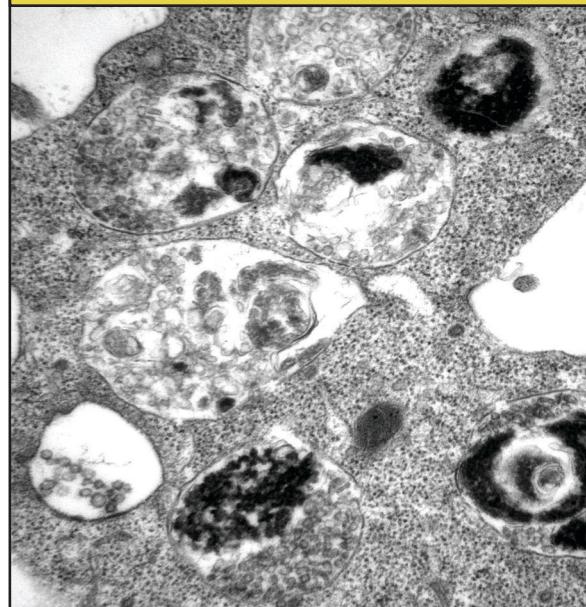
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On the cover

An electron micrograph shows the accumulation of lysosomal storage material in mouse B cells incapable of targeting lysosomal enzymes via mannose 6-phosphate sorting signals. Otomo et al. reveal that, in the absence of mannose 6 phosphorylation, mouse B cells show impaired antigen processing and presentation and subsequent defects in B cell maturation and antibody production. Image © 2015 Otomo et al.

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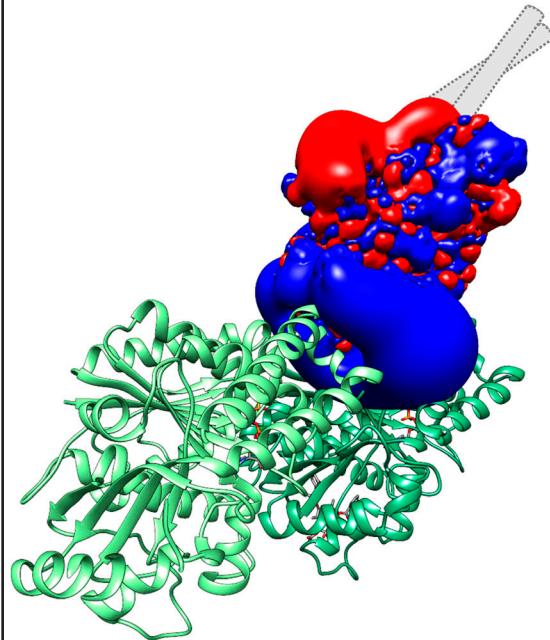
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Calreticulin inhibits commitment to adipocyte differentiation
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Uchimura et al. reveal how salt bridges help position the microtubule-binding domain of the dynein motor protein (blue and red denote regions of positive and negative electrostatic potential, respectively) on microtubules (α -tubulin, light green; β -tubulin, dark green). These salt bridges couple microtubule binding to ATPase activation and directional movement of the dynein motor.
Image © 2015 Uchimura et al.
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