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Illustration of a plasma membrane and the interior of a cell. Secretory vesicles containing proteins bud from the Golgi apparatus in the interior of the cell and fuse with the plasma membrane; transport vesicles bud from the rough endoplasmic reticulum (with associated ribosomes shown as orange dots) and fuse with the Golgi apparatus. The central role of the cellular membrane in diverse aspects of cell biology is the focus of this year’s Frontiers in Biology issue. See the Editorial and the special section of Articles beginning on page 917. [Illustration: Tomo Narashima, New York]

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