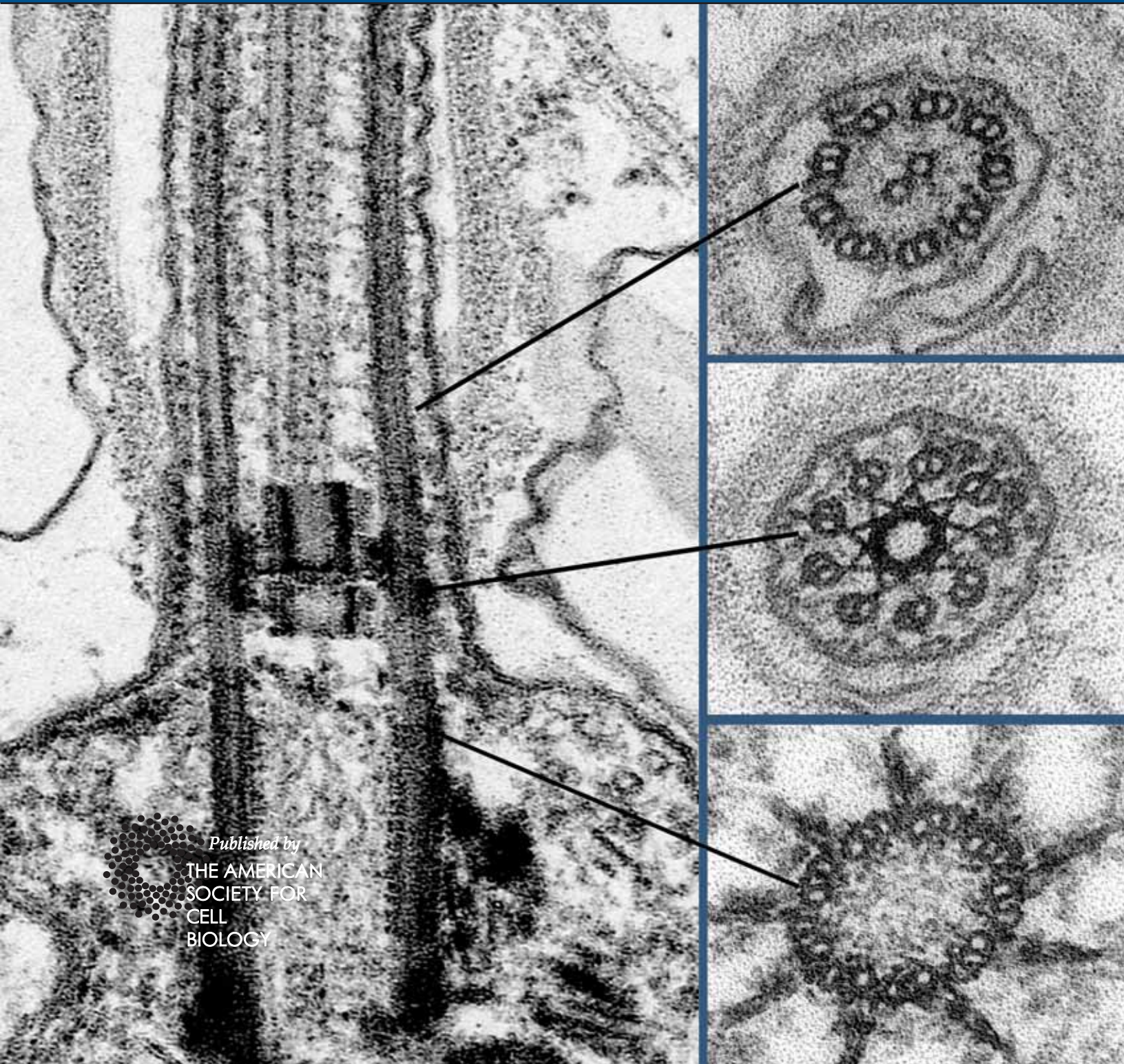


# Molecular Biology of the Cell

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**Transmission electron micrographs of *Chlamydomonas reinhardtii* cells: A longitudinal section through a centriole, transition zone, and cilium (left) is aligned with transverse sections through corresponding regions (right). The site of the transition from triplet to doublet microtubules is revealed in the transverse sections. In most organisms, the transition from triplet to doublet microtubules occurs uniformly at the distal end of the centriole. The article by Piasecki and Silflow on p. 368 of this issue of *MBC* describes mutations that affect microtubule transitioning. (Image: Brian P. Piasecki, The University of Minnesota).**

# Molecular Biology of the Cell

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*Molecular Biology of the Cell* (*MBC*) is published by the non-profit American Society for Cell Biology (ASCB) and is free from commercial oversight and influence. We believe that the reporting of science is an integral part of research itself and that scientific journals should be instruments in which scientists are at the controls. Hence, *MBC* serves as an instrument of the ASCB membership and as such advocates the interests of both contributors and readers through fair, prompt, and thorough review coupled with responsible editorial adjudication and thoughtful suggestions for revision and clarification. Our most essential review criterion is that the work significantly advances our knowledge and/or provides new concepts or approaches that extend our understanding. At *MBC*, active working scientists—true peers of the contributors—render every editorial decision.

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- making all content freely accessible via the Internet only 2 months after publication.

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