



COVER Spiral calcium wavefronts in a *Xenopus laevis* oocyte expressing muscarinic acetylcholine receptors observed by confocal microscopy. This spatiotemporal pattern of calcium activity (normal projection of five images collected over 10 seconds) is characteristic of a regenerative excitable medium and suggests that the calcium-mobilizing machinery behaves as such. See page 123. [Image by J. Leichleiter and co-workers]

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