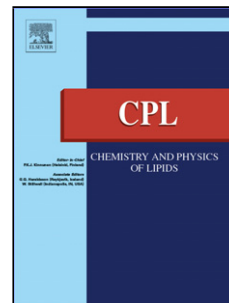


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Title: Short periodicity phase based on ceramide [AP] in the model lipid membranes of *stratum corneum* does not change during hydration

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- Basic four-component model lipid membrane of extracellular matrix of *stratum corneum* shows two short-periodicity phases in the excess of water as revealed by synchrotron X-Ray diffraction.
- Electron density distribution profiles show absence of separation between bilayers.
- Variation of pH has almost no effect on the electron density profile of the bilayer.

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