

## Evolution of the Global Internal Dynamics of a Living Cell Nucleus during Interphase



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Progress in cellular biology based on fluorescent microscopy techniques, shows that the spatial organization of the nucleus is dynamic. This dynamics is very complex and involves a multitude of phenomena that occur on very different time and size scales. Using an original light scattering experimental device, we investigated the global internal dynamics of the nucleus of a living cell according to the phases of the cell cycle. This dynamics presents different and independent kinds of relaxation that are well separated in time and specific to the phase of the cell cycle.

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