

## Attaching a spin to a protein - site-directed spin labeling in structural biology.

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Site-directed spin labeling and electron paramagnetic resonance spectroscopy have recently experienced an outburst of multiple applications in protein science. Numerous interesting strategies have been introduced for determining the structure of proteins and its conformational changes at the level of the backbone fold. Moreover, considerable technical development in the field makes the technique an attractive approach for the study of structure and dynamics of membrane proteins and large biological complexes at physiological conditions. This review focuses on a brief description of site-directed spin labeling-derived techniques in the context of their recent applications.

### Słowa kluczowe

site-directed spin labeling, electron paramagnetic resonance (EPR) spectroscopy, protein structure

### Adres publiczny

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