

SPIN LABELING%0A

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A spin label (SL) is an organic molecule which possesses an unpaired electron, usually on a nitrogen atom, and the ability to bind to another molecule. Spin labels are normally used as tools for probing proteins or biological membrane -local dynamics using electron paramagnetic resonance spectroscopy .

<http://elevatecoworking.co/Spin-label-Wikipedia.pdf>

Spin Label an overview ScienceDirect Topics

Spin labels are used in ESR experiments on membranes because the structure of the spin label provides an unpaired electron that can undergo transitions between spin states. 2 The structures of fatty acid spin labels that have been used to probe lipid dynamics in lipid bilayers and in biological membranes appear in Fig. 8.1.

<http://elevatecoworking.co/Spin-Label-an-overview-ScienceDirect-Topics.pdf>

Spin Label an overview ScienceDirect Topics

Nitroxide spin labels, spin probes, and radicals produced by spin trapping are very useful for studies of in vivo physiology. Although pulsed EPR imaging of nitroxides is possible under certain circumstances (Hyodo et al., 2009), rapid scan is the method of choice for imaging nitroxides.

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Reliability and precision of pseudo continuous arterial

Reliability and precision of pseudo-continuous arterial spin labeling perfusion MRI on 3.0 T and comparison with 15 O-water PET in elderly subjects at risk for Alzheimer's disease

<http://elevatecoworking.co/Reliability-and-precision-of-pseudo-continuous-arterial--.pdf>

Inter Vendor Reproducibility of Pseudo Continuous Arterial

Inter-Vendor Reproducibility of Pseudo-Continuous Arterial Spin Labeling at 3 Tesla Henri J. M. M. Mutsaerts^{1*}, Rebecca M. E. Steketee², Dennis F. R. Heijtel¹, Joost

<http://elevatecoworking.co/Inter-Vendor-Reproducibility-of-Pseudo-Continuous-Arterial--.pdf>

Modeling a Spin Labeled Fusion Peptide in a Membrane

Site-directed spin-labeling and electron paramagnetic resonance are powerful tools for studying structure and conformational dynamics of proteins, especially in membranes. The position of the spin label is used as an indicator of the position of the site to which it is attached. The interpretation of these experiments is based on the

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Acoustic noise reduction in pseudo continuous arterial

While pseudo-continuous arterial spin labeling (pCASL) is a promising imaging technique to visualize cerebral blood flow, it is also (acoustically) very loud during labeling.

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De Novo High Resolution Protein Structure Determination

Here, distances between spin labels are converted into distance ranges between -carbons using a motion-on-a-cone model, and a linear-correlation model links spin label accessibility to the number of neighboring residues.

<http://elevatecoworking.co/De-Novo-High-Resolution-Protein-Structure-Determination--.pdf>

Inter Vendor Reproducibility of Pseudo Continuous Arterial

Material and Methods. 22 healthy volunteers were scanned twice on both a 3T GE and a 3T Philips scanner. The main difference in implementation between the vendors was the readout module: spiral 3D fast spin echo vs. 2D gradient-echo echo-planar imaging respectively.

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