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Spin-torch experiment on reaction centers of *Rhodobacter sphaeroides*

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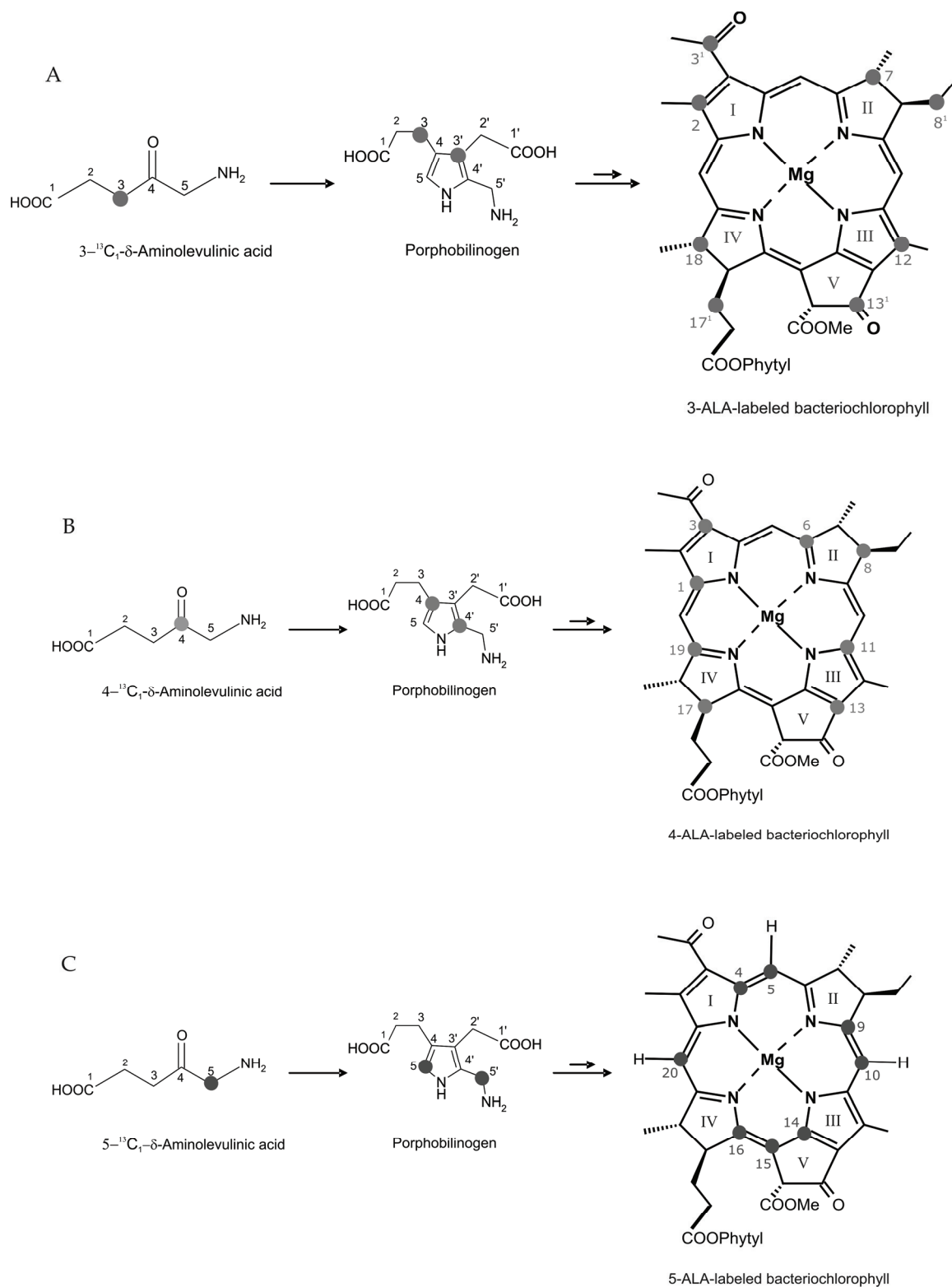
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Appendix A

Figures of selectively labelled bacteriochlorophyll *a*

* for chapter 4



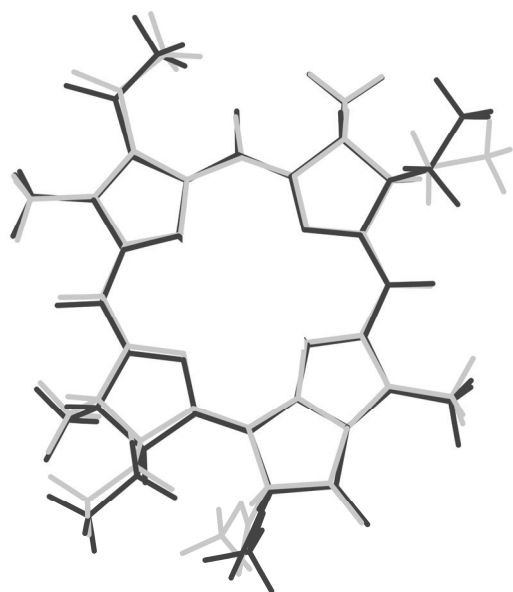
Appendix-A 1 Biosynthetic pathway for the formation of selectively ¹³C isotope labelled bacteriochlorophyll *a* (BChl) by feeding the bacteria respectively with (A) 3-¹³C₁-δ-aminolevulinic acid (3-ALA), (B) 4-¹³C₁-δ-aminolevulinic acid (4-ALA) and (c) 5-¹³C₁-δ-aminolevulinic acid (5-ALA).

Appendix B

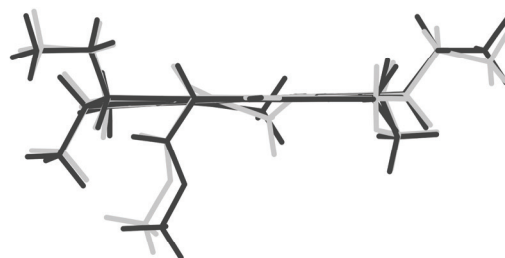
Overlaid view of bacteriopheophytin

* for chapter 4

A



B



Appendix-B. 1 Overlaid view of bacteriopheophytin in two conformations. The molecule displayed in grey color is the bacteriopheophytin as in x-ray structure (Camara-Artigas et al., 2002b) and the molecule displayed in black is from the fully relaxed geometry by theoretical modelling. (A) view from the side and (B) view from the top.