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

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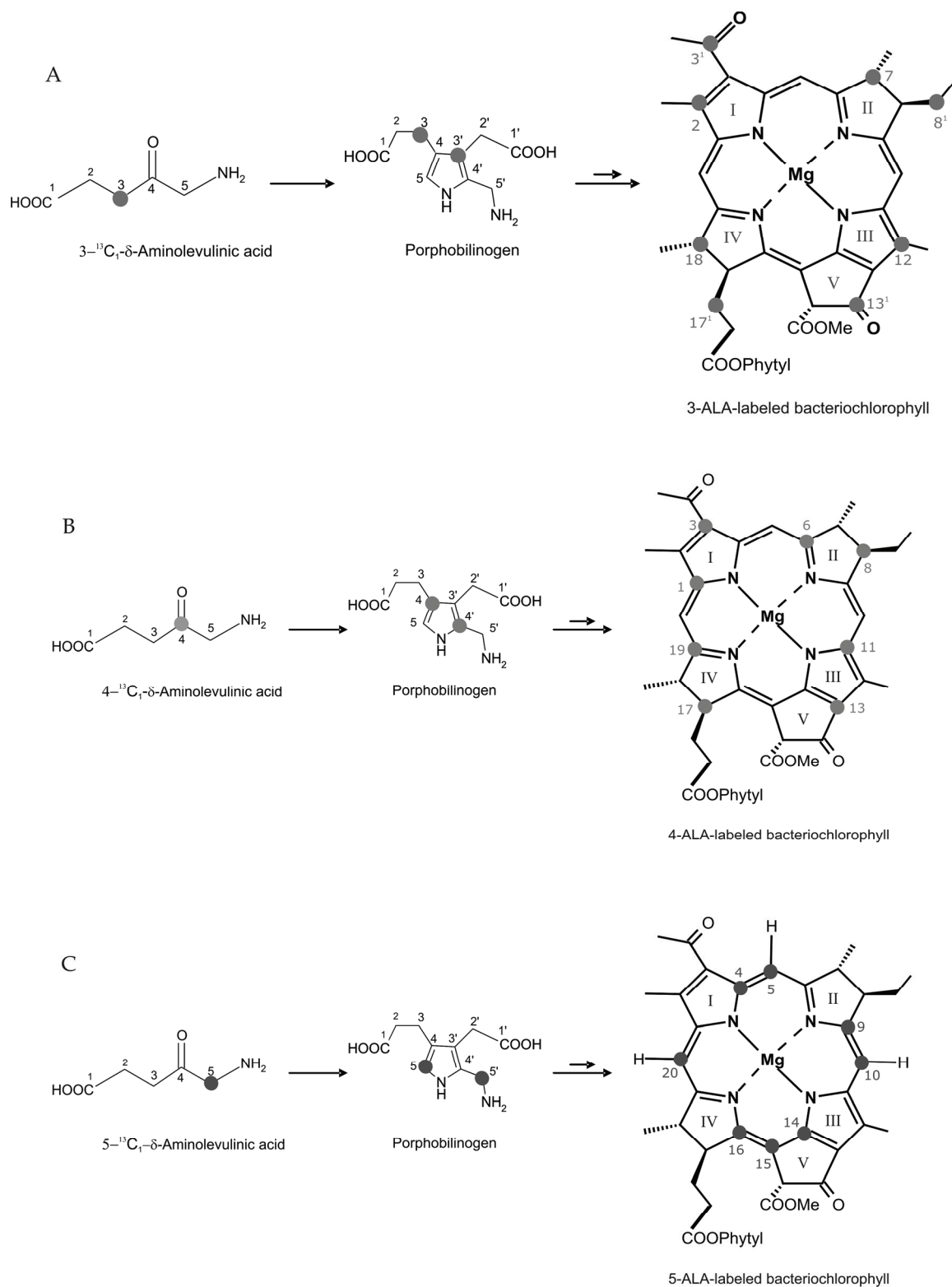
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**Note:** To cite this publication please use the final published version (if applicable).

## Appendix A

### Figures of selectively labelled bacteriochlorophyll *a*

\* for chapter 4



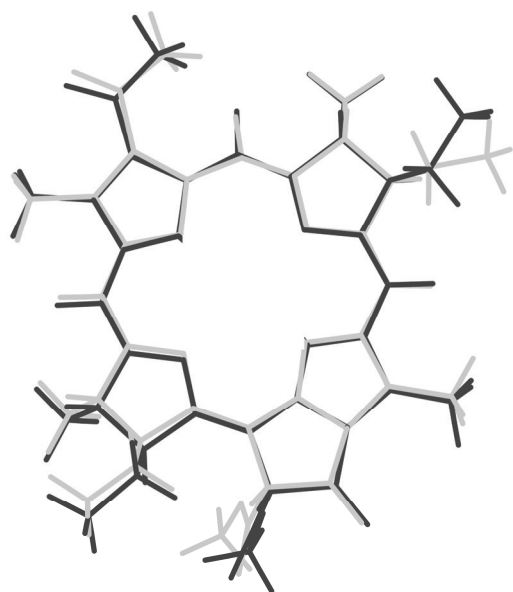
**Appendix-A 1** Biosynthetic pathway for the formation of selectively <sup>13</sup>C isotope labelled bacteriochlorophyll *a* (BChl) by feeding the bacteria respectively with (A) 3-<sup>13</sup>C<sub>1</sub>-δ-aminolevulinic acid (3-ALA), (B) 4-<sup>13</sup>C<sub>1</sub>-δ-aminolevulinic acid (4-ALA)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

## **Appendix B**

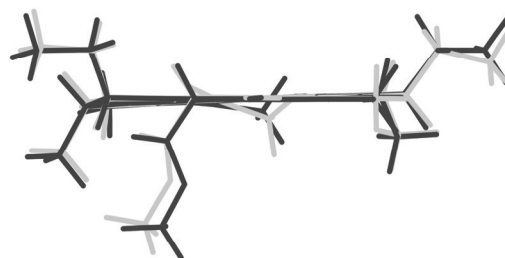
### **Overlaid view of bacteriopheophytin**

\* 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.