



Front cover image: Crystal structure of the Major Facilitator Superfamily transporter GkPOT (PDB:4IKZ), a member of the POT/NRT1/PTR family of proton coupled oligopeptide transporters. Within each 6-trans membrane helix bundle only four helices are believed to operate the intracellular and extracellular gates respectively, with the remaining two acting as support posts and shown in grey. Helices controlling the extracellular gate are shown in yellow, whereas those controlling the intracellular gate are shown in red. GkPOT was captured in a ligand bound, inward open conformation with bound phosphono peptide Alafosfalin, shown in orange sitting in the central peptide binding site. Lipids observed in crystal structures of these transporters are shown in cyan and reveal the likely position of these transporters within the inner membrane of bacteria.

Publication information: *Biochimica et Biophysica Acta (General Subjects)* (ISSN 0304-4165). For 2015, Volume 1850 (12 issues) is scheduled for publication. Subscription prices are available upon request from the Publisher or from the Elsevier Customer Service Department nearest you or from this journal's website (<http://www.elsevier.com/locate/bbagen>). Further information is available on this journal and other Elsevier products through Elsevier's website (<http://www.elsevier.com>). Subscriptions are accepted on a prepaid basis only and are entered on a calendar year basis. Issues are sent by standard mail (surface within Europe, air delivery outside Europe). Priority rates are available upon request. Claims for missing issues should be made within six months of the date of dispatch.

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Printed by Polestar Wheatons Ltd., Exeter, United Kingdom

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