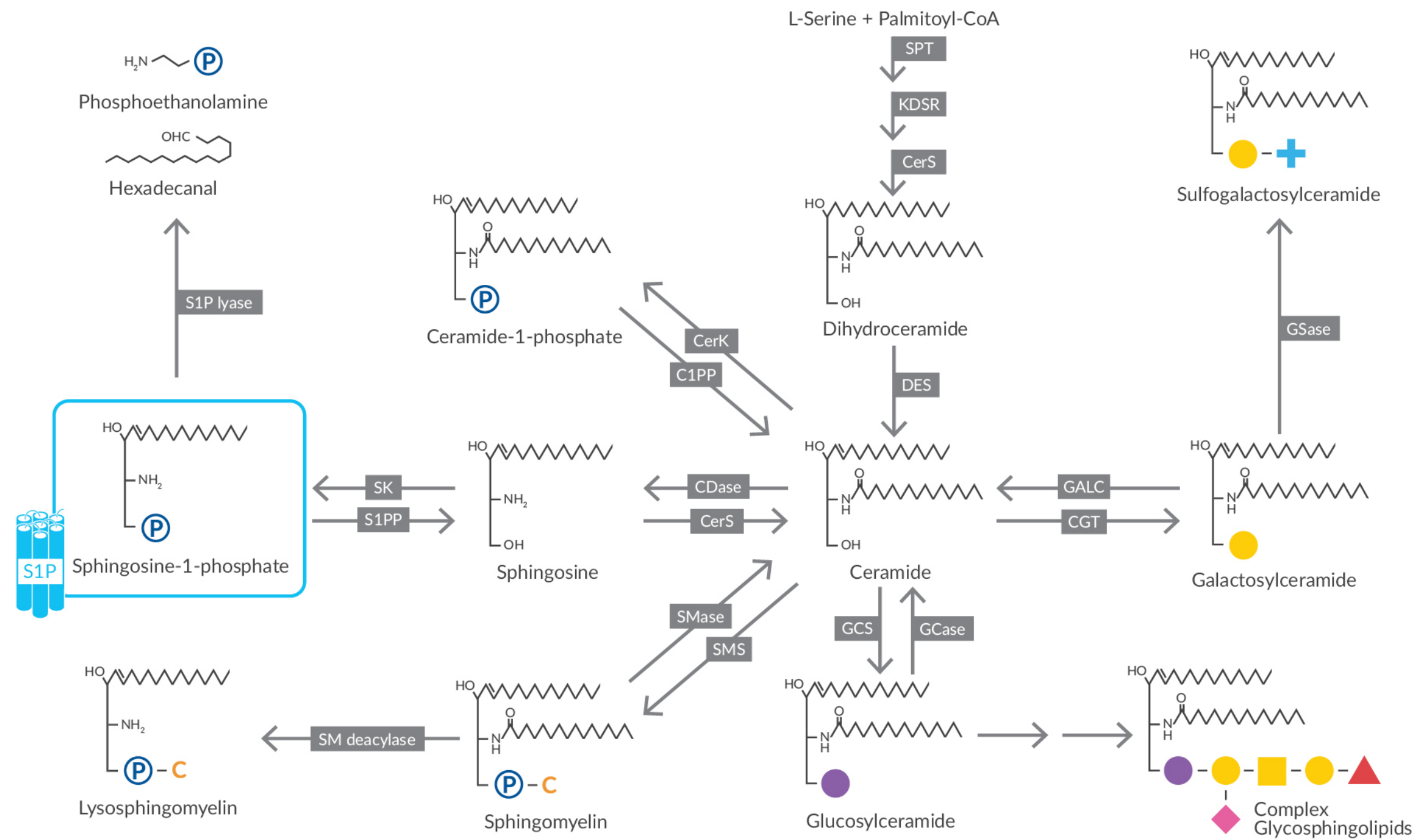


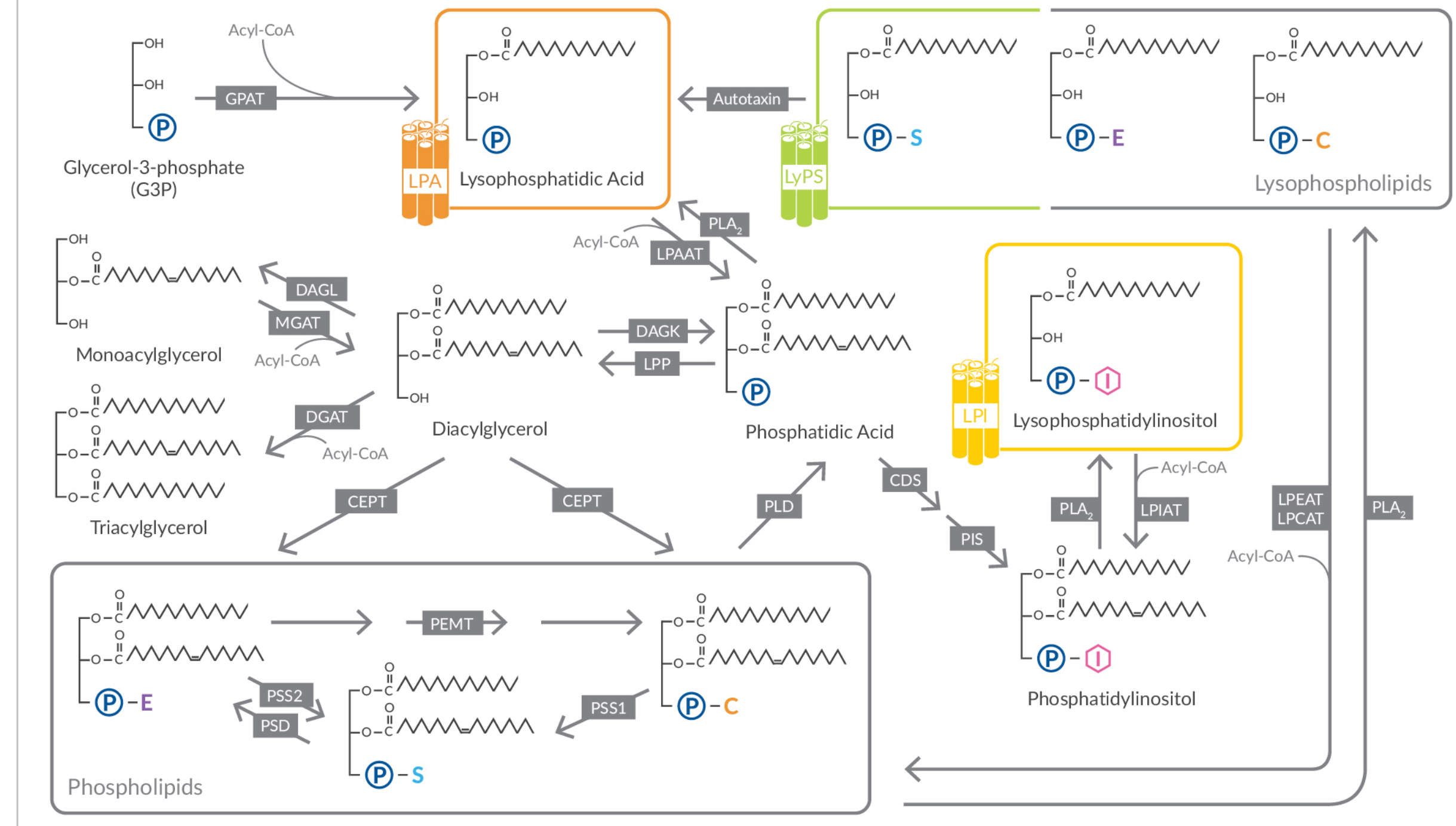
S1P Biosynthesis



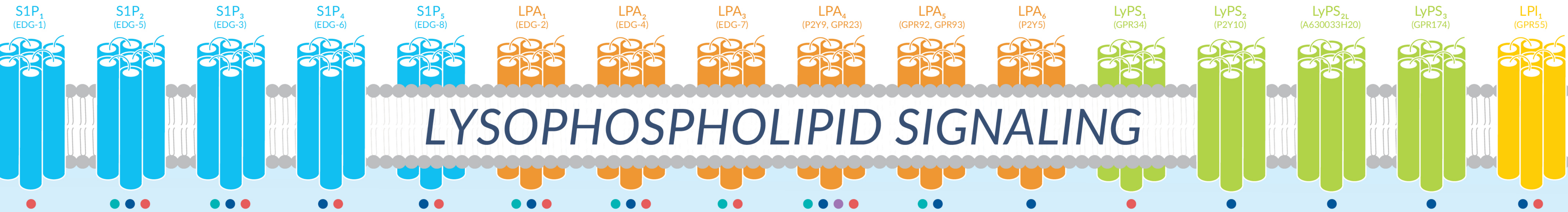
Functional Groups

- Gal
- Glc
- GalNAc
- ▲ Fuc
- ◆ Sialic acid
- + Sulfate
- P Phosphate
- C Choline
- S Serine
- E Ethanolamine
- I Inositol

LPA, LysoPS, and LPI Biosynthesis



LYSOPHOSPHOLIPID SIGNALING



G Protein Coupling

- G_q
- G_{12/13}
- G_s
- G_i

