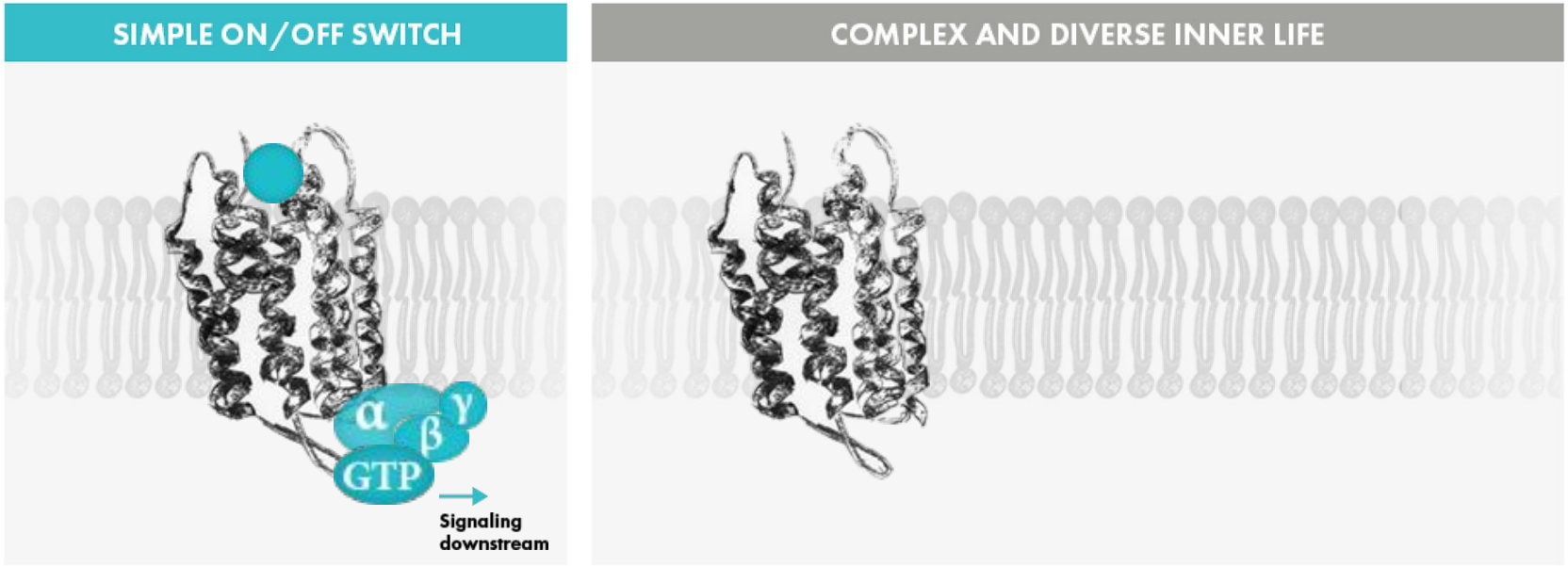
Dynamic figure on Science page

Crinetics has delved deep into the understanding the inner life of GPCRs to tailor and optimize drug candidates to specific diseases.

For decades it was thought that GPCRs function as simple on-off switches, but GPCRs have a complex and diverse inner life. Many lines of recent research has shown that distinct signaling cascades and feedback mechanisms create multi-dimensional pathways with distinct physiological responses. These different behaviors are based on receptor trafficking, ligand binding, and **biased agonism**. Understanding these different GPCR signaling paradigms provides new opportunities to modulate GPCR activities that we think will lead to therapeutics that are more effective with fewer side effects.



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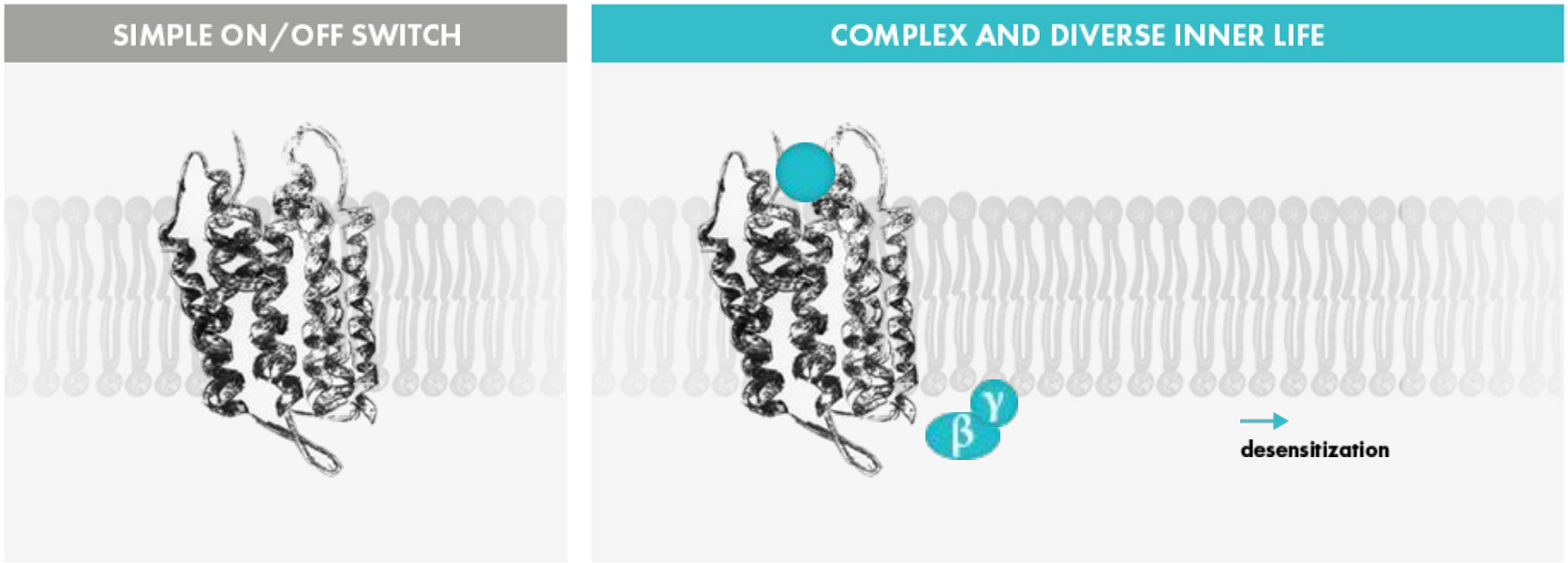

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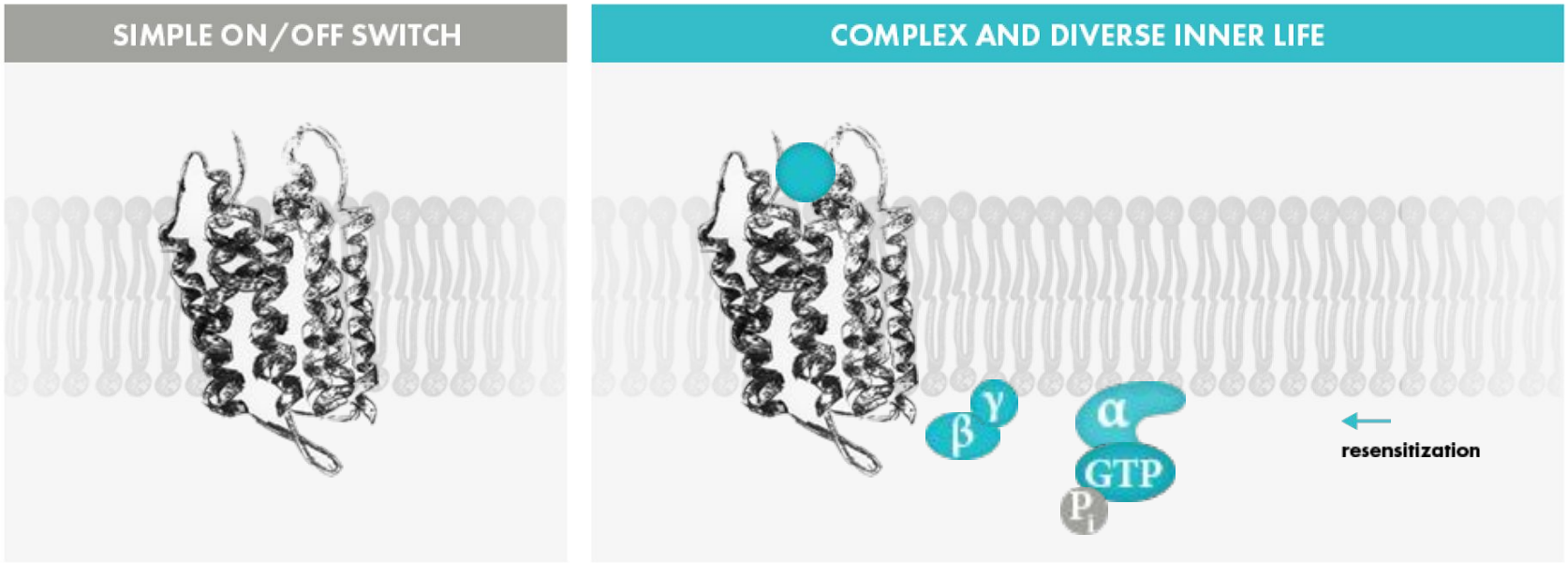

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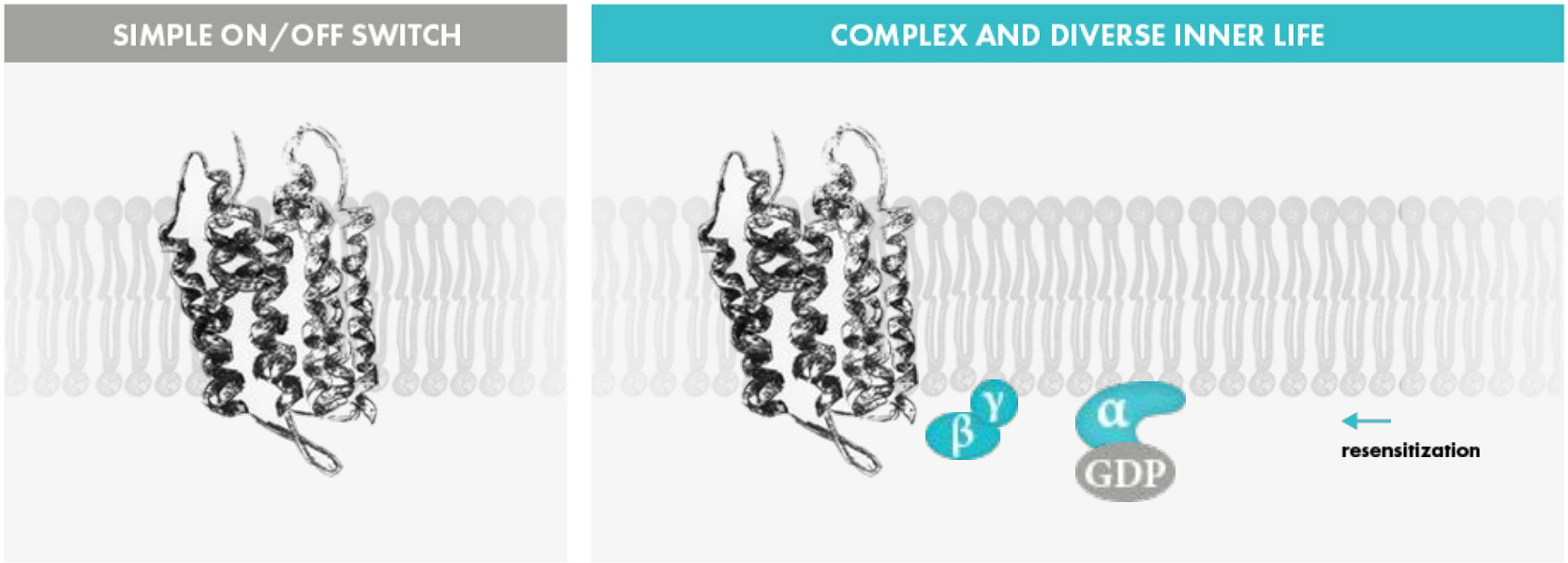

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