

Table 5: Nature and Property of Inhibitors

Module	Property	Time Scale	Putative components and mechanisms	
			Excitation	Inhibition
LEGI	Adaptation & Gradient Sensing	~3-5 minutes	G-protein subunits, G $\beta\gamma$ (Huang et al., 2013)	GPCR, G-protein-independent (Tang et al., 2014)
STEN	Signal integration and amplification	~45 seconds	Mutual inhibition between Ras GTPases and back activities(Miao et al 2017 ????)	PKB substrates ((Sasaki and Firtel, 2005))
CON	Actin protrusions	~5-10 seconds	SCAR/Wave (Pollitt and Insall, 2009)	Coronin (de Hostos et al., 1993)
POL	Polarization	~5-10 minutes	Cytoskeletal architecture (Wang et al., 2014)	Membrane (Houk et al., 2012)/cortical (Kabacoff et al., 2007)tension, Cytoskeleton (Lange et al., 2016)

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