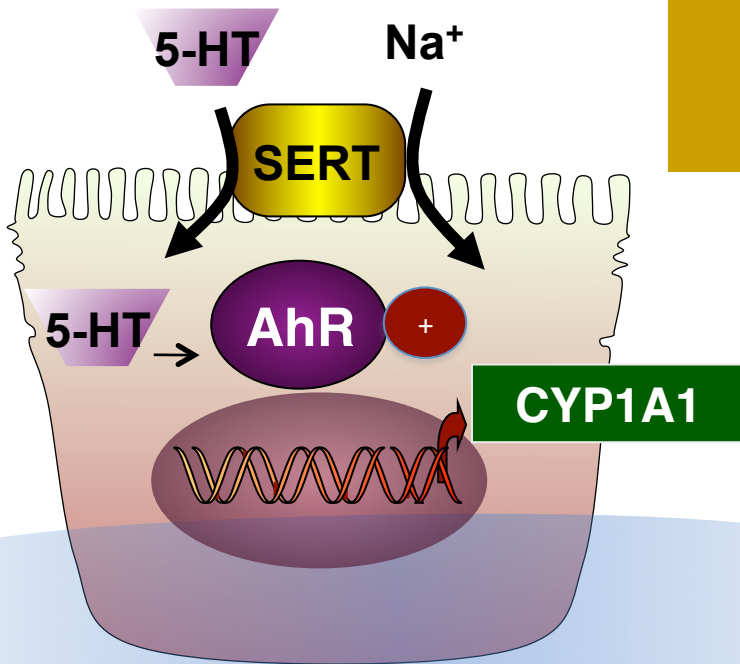


Intestinal Serotonin Transporter (SERT) as Novel Target for Gut Disorders

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SERT (SLC6A4) plays a critical role in regulating extracellular availability of an important neurotransmitter and hormone, serotonin (5-HT)



Current projects:

- Understand mechanisms by which decrease in intestinal SERT increases susceptibility to intestinal inflammation
- Understand the role of novel SERT-AhR axis in development of small intestinal inflammation
- Examine the efficacy of dietary AhR ligands in combination with probiotics (that increase SERT) in alleviating intestinal inflammation
- Determine the risk factors for progression of intestinal inflammation
- Assess the role of 5-HT as a novel biomarker for Crohn's disease patients

