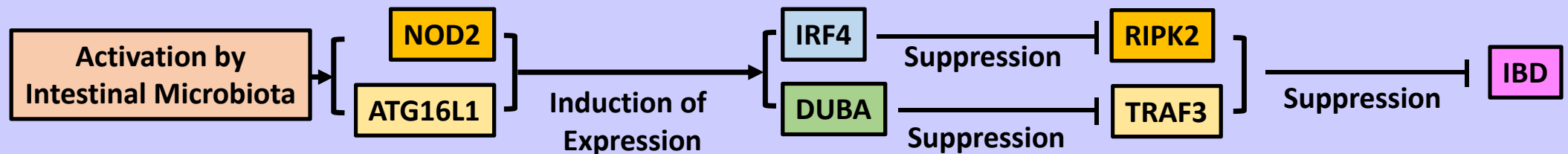


Study on the development of a novel treatment for inflammatory bowel diseases

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Research Area

1. Elucidation of molecular mechanisms leading to the development of Crohn's disease in the presence of NOD2 or ATG16L1 mutations
2. Development of a novel treatment for inflammatory bowel diseases (IBD)



Recent Activities

- Activation of nucleotide-binding oligomerization domain 2 by muramyl dipeptide negatively regulates Toll-like receptor 9-mediated colonic inflammation through the induction of deubiquitinating enzyme A expression. *Int Immunol.*(in press)
- RICK/RIP2 is a NOD2-independent nodal point of gut inflammation. *Int Immunol.*31(10):669-683, 2019