

## **RESPONSE TO REVIEWERS' COMMENTS**

### **REVIEWER 1**

**Comment:** "1) General comments Dr. Sen and Dr. Stark, reviewed 'Role of cytochrome P450 polymorphisms and functions in development of ulcerative colitis'. The article is informative and well-presented. The reviewer has no comments."

**Response:** We express our sincere gratitude for the evaluation of the referee.

### **REVIEWER 1**

**Comment:** "Authors should provide justification for the selection of these CYP450 family members to focus their review."

**Response:** We did not particularly select any CYP450 family or individual gene. We have included all the CYPs on which the results are currently available concerning ulcerative colitis.

**Comment:** "Authors should consider the addition of a section presenting epigenetic regulation of CYPs in ulcerative colitis."

**Response:** The epigenetic factors are excluded as they are beyond the scope of this review. Besides, we have doubts that enough data are already available to have a conclusion on the epigenetic regulation of CYPs in ulcerative colitis.

**Comment:** "Authors should consider the addition of a figure illustrating the molecular pathways affected by CYPs leading to the development of ulcerative colitis."

**Response:** We agree that a second graphic illustration would be nice, but we do not see any realization leaving something important out or illustrating something vague which is not fully clear at this stage. In addition, these pathways are very well-

known and could be easily retrieved from the cited literature. Therefore, we prefer not to add such a second illustration

**Comment:** "The future directions should be more explicit indicating short and long terms objectives in this field of research.

**Response:** We have added a paragraph to this section clearly indicating future objectives in this field of research.

**Comment:** "Minor grammatical and syntactical errors throughout should be corrected.

**Response:** An additional language reexamination was carefully conducted by a native English speaker.