SDI Review Form 1.6

Journal Name:	**British Microbiology Research Journal**
Manuscript Number:	**2014_BMRJ_12614**
Title of the Manuscript:	**Guillain-Barré syndrome induced by Campylobacter jejuni**
Type of the Article	**Review Article**

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.
To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline)

SDI Review Form 1.6

PART 1: Review Comments

	Reviewer's comment	**Author's comment** *(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)*
Compulsory REVISION comments	**In Abstract:** **Purpose of review:…** "recent reports suggest that infection with *Campylobacter jejuni*, a common enteric pathogen, may cause GBS by triggering demyelination of peripheral nerves.." In 1998 Nachamkin et al. write about the link between *Campylobacter* species, LOS and Guillain-Barré syndrome. Is not recent.. **In summary:** ..One of every 1058 Campylobacter infections results in GBS, and 1 of 158 Campylobacter type O:19 infections results in GBS… I don't find the reference in the manuscript or is your result? I think this is very specific to mention it in both summary and conclusion. **In introduction:** …There are some reports of the association of GBS after *C jejuni* infection with HLA types, but no specific immune response genes have been reported… (Explain more in the review in a specific part). Importance of the ecological triad, ambient or host factors.. **In Bacteriology of campylobacter** …Outbreaks have been associated with drinking raw milk or contaminated water and eating poultry. There are several other sources including pets and other animals, untreated water and milk, and sewage contamination. Redundant phrase in yellow.	

	..Infections with *C. jejuni* are associated with antibodies against gangliosides GM1, GM1b, GD1a and 70 GalNAc-GD1a.. Please could you explain if all or some strains are associated with these antibodies. In this part is necessary explain about the ganglioside-like lipooligosaccharide (LOS) structures in Campylobacter **In Guillain-Barré syndrome,** Please use GBS in the text. **In Pathogenesis of GBS:** No use abbreviations in tittles **Eg:** Pathogenesis of Guillain-Barré syndrome Please cite all authors in this section and include the references. **In other experiments**, include this reference.. Journal of Neurology, Neurosurgery, and Psychiatry 1996;61:279-284. Describe the Spontaneous paralytic neuropathy in chickens from farms of patients with GBS. **Mechanism of the disease** (or syndrome)? In Figure 1. You use Abbreviations such us CMV, FS, explain please.. Do you have authorization in Lancet Infect Dis to use this image? Could you obtain a better image quality with the authors? (reprinted from Yuki N. in Lancet Infect Dis. 2001 Aug;1(1):29-37. **The genetic host factors** Is important incorporate this subtitle in the review and examine more closely this topic	

	In conclusion: I think it can be improved: Addition please: From when are these strong support?, decade...? Delete a point after "humoral" You write: …One of every 1058 *Campylobacter* infections results in GBS, and 1 of 158 *Campylobacter* type O:19 infections results in GBS…Is very specific, you can said: Some type of C. jejuni strains (Eg: serotype O:19, O:41) more frequently has been associated with SGB. More studies are necessary in characterize the strains: Perhaps molecular techniques as Pulsed field gel electrophoresis (PFGE) may associate particular PFGE patterns with the SGB.. Please remember that is important too "the genetic host factors" (most likely precipitate the cross-reactive immune response and complement activation at peripheral nerves in GBS). Eg: *MBL2* haplotypes. I suggest Incorporate comments. Future projections: Further research is required to …….	

SDI Review Form 1.6

Minor REVISION comments	*1.- Campylobacter* sp. and *Campylobacter jejuni* in italics. After *Campylobacter jejuni* is write in the review, then you must use *C. jejuni.* 2.-Write name of gene in italics *cst*-II 3- Summary data should be mentioned and cited in the text 4.**-** Cite all authors and include all the references. 5.- Please review: spaces between words and paragraphs and typing mistakes. 6- Sometimes you use abbreviations. Review.. Please put all the references used in this review. I think is necessary authorization by the image (Figure 1) use.	
Optional/General comments	The topic is interesting and necessary. A major revision of this manuscript is necessary. Projections...	

Reviewer Details:

Name:	**Anonymous**
Department, University & Country	**INTA University of Chile, Chile**