

Dr. Devendra Bansal

✉ 212, Rue Solferino, 59000 Lille, France.

☎ +33-6.48.68.24.12

dbansal2006@gmail.com

devendra.bansal@pasteur-lille.fr

Qualifications

Ph.D. (Medical Microbiology) January 2006 PGIMER, Chandigarh, India

M.Sc. (Microbiology) Jiwaji University, Gwalior, M.P. June 2000

Research experiences

During Master Studies

Research Fellow, Dept. Food Microbiology, CFTRI, Mysore, India, January 2000 to May 2000.

After Master Studies

1. Research assistant, Department of Parasitology, PGIMER, Chandigarh Dec 2000 to March 2002.
2. Senior Research Fellow, Department of Parasitology, PGIMER, April 2002 to December 2005.
3. Research Associate, Department of Parasitology, PGIMER, January 2006 to June 2006.
4. Postdoc, Unit of Cellular Biology of Parasite, Pasteur Institut, Paris, September 2006 to December, 2007

Present Status and Research Project

Postdoctoral fellow at Pasteur Institut, Lille and working on “*Role of immune and genetic factors in the outcome of Plasmodium falciparum malaria*”.

Publications

Research Papers

1. **Bansal D**, Ave P, Kerneis S, Frileux P, Bochet O, Baglin AC, Dubost G, Leguern AS, Prevost MS, Bracha R, Mirelman D, Guillén N and Labruyère E. An ex-vivo human intestinal model to study *Entamoeba histolytica* pathogenesis. *PLoS Neglected Tropical Disease* 2009; 3(11): e551. **PMID: 19936071**
2. **Bansal D**, Herbert F, Lim P, Deshpande P, Bécavin C, Guiyedi V, Ilaria de Maria, Rousselle JC, Namane A, Jain R, Cazenave PA, Mishra GC, Ferlini C, Fesel C, Benecke A and Pied S. IgG to Beta Tubulin III Associated with Cytokine Cluster-II Discriminate Cerebral Malaria in Central India. *PLoS One* 2009; 4(12): e8245. **PMID: 20011600**
3. **Bansal D**, Sehgal R, Chawla Y, Malla N, Mahajan RC. Multidrug resistance in amoebiasis patients. *Indian Journal of Medical Research* August 2006;124: 189-194. **PMID: 17015933**
4. **Bansal D**, Bhatti HS, Sehgal R. Altered lipid parameters in patients infected with *Entamoeba histolytica*, *Entamoeba dispar* and *Giardia lamblia*. *British Journal of Biomedical Science* 2005; 62(2): 63-5. **PMID: 15997878**
5. **Bansal D**, Sehgal R, Chawla Y, Mahajan RC, Malla N. Cytokine mRNA expressions in symptomatic vs asymptomatic amoebiasis patients. *Parasite Immunology* 2005; 27(112): 37-43. **PMID: 15813721**
6. **Bansal D**, Sehgal R, Bhatti HS, Shrivastava SK, Khurana S, Mahajan RC, Malla N. Intestinal parasites and intra familial incidence in a low socio-economic area of Chandigarh (North India). *Nepal Med Coll J.* 2004 Jun;6(1):28-31. **PMID: 15449649**
7. **Bansal D**, Sehgal R, Chawla Y, Mahajan RC, Malla N. In vitro activity of anti-amoebic drugs against clinical isolates of *Entamoeba histolytica* and *Entamoeba dispar*. *Annals of Clinical Microbiology and Antimicrobials* 2004 Dec 21;3(1):27. **PMID: 15610563**
8. **Bansal D**, Sehgal R, Chawla Y, Mahajan RC, Malla N. Comparative evaluation of hexokinase isoenzyme typing and antigen detection for differentiation of *Entamoeba histolytica* and *Entamoeba dispar*. *Nepal Med Coll J.* 2004 Dec;6(2):123-5. **PMID: 16295743**
9. Vijayendra SVN, **Bansal D**, Prasad MS, Krishna Nand. *Jaggery*: a novel substrate for pullulan production by *Auriobasidium pullulans* CFR-77. *Process Biochemistry* 2001; 37 (4): 359-364.

Review Articles

1. **Bansal D**, Malla N, Mahajan RC. Drug resistance in amoebiasis. *Indian Journal of Medical Research* February 2006;123: 115-118. **PMID: 16575108**
2. **Bansal D**, Bhatti HS, Sehgal R. Role of cholesterol in parasitic infections. *Lipids in Health and Disease* May 2005 9;4(1):10. **PMID: 15882457**

Hands-On Experience in Techniques

A. Molecular, Biochemical and Immunological Techniques

DNA & RNA isolation, Multiplex PCR, Reverse Transcriptase PCR, Real Time PCR, Nested PCR, RFLP & RAPD, SDS-PAGE and Western blotting, PANAMA-blot (Immunoblot), ELISA, Flow cytometry (T and B cells phenotyping), Bioplex Protein Array system, Chemotaxis assay

B. Cell Culture Techniques

Maintenance of microbial strains and Cell lines (IMR32, CACO-2, HELA), Trypan Blue assay, Cell counting, PBMC's culture, **Histological and Microscopy Techniques**

Paraffin embedding, Microtomy, Scanning electron microscopy, Light microscopy, Fluorescent microscopy, Confocal microscopy,

C. Computer Skills

Microsoft Office, Internet working, Database searching & Statistical software

Languages (Reading, Writing, Speaking)

English & Hindi: (fluent, fluent, fluent)

Memberships

- Association of Indian Society for Parasitology (ISP), India
- Member of the Science Advisory Board, USA (Membership Number: 69849)

Honor and Award

- Got prize from Fondation des Treilles, France for the year 2009.
- Travel grant awarded from "European Science Foundation" to attend the Infectious Diseases: From Basic to Translational Research, Cape Town, S.A. on 4th-9th April, 2009.
- CEFIPRA Postdoc Fellowship
- M. Cantarini Postdoctoral Fellowship awarded by Pasteur Institute, Paris, France.
- Research Associate awarded by ICMR, New Delhi, India.
- Senior Research Fellowship awarded by Indian Council of Medical Research (ICMR), New Delhi, India.

Demographic Profile

Date of Birth	28-07-1976
Gender	Male
Father's Name	Shri G.K Bansal
Marital Status	Married
Nationality	Indian

Referees

1. Dr Sylviane PIED

CIIL - Center for Infection & Immunity of Lille
INSERM U1019 - CNRS UMR 8204, Univ Lille Nord de France
Institut Pasteur de Lille, 1, rue du Professeur Calmette
59019 Lille Cedex, FRANCE

☎ +33-320877802 Fax: +33-320877888 ✉ sylviane.pied@pasteur-lille.fr

2. Prof. Nancy GUILLEN-AGHION

Unite de Biologie Cellulaire du Parasitisme, Institut Pasteur, 25-28, rue du Docteur Roux, 75724 Paris Cedex 15, France. ☎ +33-145688675 Fax : +33-145688674 ✉ nguillen@pasteur.fr

3. Prof Rakesh Sehgal

Department of Parasitology, PGIMER, Chandigarh, India.

☎ + 91-1792-2755168 Fax : +91-172-2744401 ✉ sehgalpgi@gmail.com

4. Dr. Elisabeth Labruyère

Unite de Biologie Cellulaire du Parasitisme, Institut Pasteur, 25-28, rue du Docteur Roux, 75724 Paris Cedex 15, France.

☎ +33-140613152 Fax : +33-145688675 ✉ elabruye@pasteur.fr

Declaration

I hereby solemnly declare that all the statements made in the above curriculum vitae are true and correct to the best of my knowledge and belief.

Devendra Bansal