

# CURRICULUM VITAE



## Personal Record

Name : PARTHA PRATIM CHAUDHURI

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Date of Birth : 15th January, 1962

Nationality & Citizenship : Indian

Marital status (Sex) : Married (Male)

## Scholastic Record

M.Sc. 1984 (held in 1985); Zoology with **Parasitology** as a special paper; Obtained First Class (66.8%). University of Calcutta, India.

Ph. D. Thesis entitled “**Biochemical and immunological studies on Giardia lamblia antigens: With special reference to its plasma membrane**”. University of Calcutta, 1991.

## Experiences:

Position held:	Nature of work:
1. <b>Research Fellow (1986-1990)</b> National Institute of Cholera and Enteric Diseases (ICMR), P-33 CIT Road, Scheme XM Beliaghata, Kolkata – 700 010. <b>INDIA</b>	Conducted research (leading to Ph. D.) on diarrhoeagenic pathogen <i>Giardia lamblia</i> particularly biochemical and immunological studies on plasma membrane antigens. Apart from this, research experiences on <i>Entamoeba</i> and <i>Cryptosporidium</i> as co- investigator are also noteworthy.

<p>2. <b>Research Officer (Parasitology)</b> (from May 1990 to February 1991) <b>Regional Medical Research Centre (ICMR),</b> Aberdeen Bazar; Port Blair-744104; INDIA</p>	Individual Research on Enteric Parasites and Filariasis
<p>3. <b>Lecturer in Zoology</b> (from February 1991 to October 1992) <b>N.D.College (University of Calcutta)</b> 129 Bellilius Road, Howrah 711101; INDIA</p>	Teaching and Research on Enteric Protozoan Parasites.
<p>4. <b>Lecturer in Zoology</b> (from Jan 4<sup>th</sup> 1993 - Jan 3<sup>rd</sup> 1998)</p>	Teaching and Research on Enteric Protozoan Parasites.
<p>5. <b>Senior Lecturer in Zoology</b> (from Jan 4<sup>th</sup> 1998 – Jan 3<sup>rd</sup> 2002) <b>Budge Budge College (University of Calcutta)</b> 7, D. B. C. Road; Budge Budge, 24 Parganas (South); Kolkata – 700 137, INDIA</p>	Teaching
<p>6. <b>Associate Professor in Zoology</b> (from Jan 4<sup>th</sup> 2002 – Till date) <b>Budge Budge College (University of Calcutta)</b> 7, D. B. C. Road; Budge Budge, 24 Parganas (South); Kolkata – 700 137, INDIA</p>	Teaching and Biodiversity documentation etc
<p><b>Post-Doctoral Experience</b></p>	
<p>1. <b>Visiting Scientist</b> <b>Department of experimental Pathology,</b>  Center for Research and Advance Studies of I.P.N. Aptdo. Postal 14-740; 07000 Mexico, D.F. Mexico. (from January 1995 to Dec. 1996)</p>	Research on “Biochemistry, Immunology and Molecular Biology of <i>Entamoeba histolytica</i> with special reference to role of collagenase in creation of infection”.

Publications

:

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## Training Course Attended:

1. Undertaken a training course on animal model of **Giardiasis** in the Department of Experimental Medicine and Parasitology, Post-graduate Institute of Medical Education and Research, **Chandigarh, India**, from 21<sup>st</sup> April to 2<sup>nd</sup> May, 1987.
2. Attended the UGC (Univ. Grants Commission) sponsored 4th Academic staff **Orientation Course** for University and College Teachers, at **University of Calcutta, India**, from August 7- 30, 1991.
3. Participated in the Workshop on "Molecular Biological Approaches in the Diagnosis of Parasitic Diseases" from 4<sup>th</sup> Nov. to 13<sup>th</sup> Dec. 1996, held in the department of Experimental Pathology, CINVESTAV, **Mexico City, Mexico**.
4. Attended the UGC sponsored Academic staff **Refresher Course in Zoology** for University and College Teachers, at University of Calcutta, India from Jan 15<sup>th</sup> to Feb 10<sup>th</sup> 2000.
5. Attended the UGC sponsored Academic Staff **Refresher Course in Zoology** for University and College Teachers, at University of Calcutta, India from Feb 8<sup>th</sup> to Feb 28<sup>th</sup> 2001.

## Conferences/ Seminars/ Workshops Attended:

### National:

- Participated in the "56th Annual Meeting of Society of Biological Chemists", India, from 28th December to 30th December, 1987 at Tirupati, India.
- Participated in the UGC sponsored Interactive *Workshop on "Teaching Methods in Zoology: Looking Beyond Year 2000"* organized by the Department of Zoology, Maulana Azad College, Govt. of west Bengal, Kolkata, during March 16 – 19, 2000.
- Participated in the "Seminar on Environment "organized by D. A. College on 16<sup>th</sup> of September, 2000.
- Participated in the "National Seminar on Call of the Elephant" organized by Indian Museum and Pugmarks Kolkata, from 18<sup>th</sup> to 19<sup>th</sup> August 2001 at Kolkata, India.
- Participated in the national level workshop on Methods in behavioural Ecology, organized by Centre of ecological sciences, Indian Institute of Science, Bangalore, from 17<sup>th</sup> to 29<sup>th</sup> December 2001.
- Regional awareness –cum training workshop for preparation of people's Biodiversity registers. from 17<sup>th</sup> -20<sup>th</sup> October, 2003 at Bhubaneswar, India, sponsored by Min. of Environ. & Forest, Govt. of India.
- Attended Reorientation workshop on under graduate honours (Part-1) new syllabus in Zoology, organized by the UG board of studies, CU, on 24<sup>th</sup> September , 2016

- Attended one week online national workshop, organized by St. Thomas College of Teacher Education, Pala, Kerala, in collaboration with the UGC\_HRDC, Univ. of Kerala on “Creative Adaptation – Reaching out through digital classrooms”, 19-25 May, 2020.
- **International:**
  - Attended “*XIIth International Congress for Tropical Medicine and Malaria*” from 18th to 23rd September, 1988 at **Amsterdam, The Netherlands**.
  - Attended “*IV Latin American Congress of Immunology, XII Mexican Congress of Immunology*” from 3<sup>rd</sup> to 7<sup>th</sup> March, 1996 at **Zacatecas-Zac., Mexico**.
  - Participated in the Indo-US Workshop on Laboratory Diagnosis of Enteric Parasites, organized jointly by CDC, Atlanta and NICED, ICMR, Kolkata, India from 18<sup>th</sup> -20<sup>th</sup> February, 2008
  - Attended the 13<sup>th</sup> International Conference on Emerging Infectious Diseases of the Pacific Rim: Focus on Enteric Diseases, held at Kolkata, India 6-9 April, 2009

## Fellowships and Awards:

1. Recipient of **Junior and Senior Research Fellowship** awarded by **Indian Council of Medical Research**.
2. Recipient of **Travel fellowship** awarded by **International Development Research Centre (IDRC) CANADA**, in the year 1988 for attending XIIth International Congress for Tropical Medicine & Malaria held in Amsterdam, **The Netherlands**.
3. Recipient of **Catedras Patrimoniales de Excelencia Nivel II** (Visiting Scientist Fellowship) awarded by **National Council of Science and Technology (CONACYT) Mexico**.

## Research Project completed:

1. Completed a UGC-funded **Minor Research Project** (No. F.PSW-036/01-02), entitled **"Biodiversity of Microbial Fauna with Special Reference to Human Parasitic Protozoan Present in Surface and Ground Water of Calcutta and Adjoining Region"**.
2. **"Documentation of Biodiversity and Biodiversity related knowledge in the South Bawali Gram Panchayet, South 24 Parganas, West Bengal, involving local students and teachers.**

## Laboratory Experience:

- A) Axenic cultivation of parasitic protozoa viz. *Giardia lamblia*; *Entamoeba histolytica*; isolation and axenization of strains from humans.
- B) Preparation of antigens and isolation of plasmamembrane from protozoan parasite.
- C) Serological techniques viz, CIEP, IHA, ELISA, Dot blot, IFA, etc.
- D) Immunological techniques viz, LMI, MMI, Blast transformation, Skin test, etc.
- E) Biochemical techniques like Chromatography (Gel filtration, ion-exchange, affinity), preparative gel electrophoresis (SDS-PAGE and native), Western Blotting, Immunoblotting, Density gradient separation of biological material by ultra centrifugation, Microenzyme assay and Lectin binding assays.
- F) Purification of Immunoglobulins and Conjugation with different enzymes and fluorescent dyes.
- G) Tissue culture, maintenance of cell line and working knowledge of Hybridoma technique.
- H) Isoenzyme analysis of different strains of *G. lamblia* and *E. histolytica* in PAGE.
- I) Working knowledge of molecular biology (cloning, sequencing, hybridization, PCR, expression and purification of recombinant peptides, etc.)

## Teaching Experience

- A) Participated as a demonstrator in the WHO Inter-country Course on the Laboratory Diagnosis of Diarrhoeal Diseases held at NICED, Calcutta in the year 1987 and 1988.
- B) Having teaching experience in Zoology (Hons. and General) to undergraduate students.
- C) Examiner of B.Sc. Zoology Theory & Practical papers of University of Calcutta.
- D) Resource person for teaching immunology at Inter country refresher course for PG teachers of central schools.
- E) Ex- Visiting lecturer, **Post – Graduate Dept.** of Environmental Sc. Asutosh College, Kolkata.
- F0 Question setter and Moderator of University of Calcutta, North Bengal University, Vivekananda Centenary College (Autonomous), Rahara, W.B.

## Administrative Experience

- a) Worked as Scientific Officer at RMRC (ICMR), Port Blair
- b) Member of academic sub-committee.
- c) Acted as Secretary, Teachers' council
- d) Ex- IQAC co-ordinator
- e) Ex-Member of IQAC-NAAC committee
- f) Member of Library sub-committee.
- g) Teachers' representative to the Governing body of the college.
- h) As Jt. Convenor organized a UGC-sponsored national level seminar on Man & Environment held in 2002.
- i) As Co-ordinator organized a national workshop on "Peoples's biodiversity register" during 17<sup>th</sup> – 18<sup>th</sup> September, 2006, sponsored by W. B. Biodiversity Board.

## Language Course:

Passed **Spanish Communicative course** in December 2003 with First Division, securing 83% marks from The Ramakrishna Misson Institute of Culture, School of Languages.

## Published Abstracts

1. S. Pal, P. Das, **P.P. Chaudhuri**, A.C. Ghosh and S.C. Pal. Biochemical, Immunological and Immunoprophylaxis studies on excretory secretory antigen(s) of *Entamoeba histolytica* (1986). Presented at 55th Annual Meeting of Society of Biological Chemists (INDIA).
2. S. Pal, P. Das, **P.P. Chaudhuri** and S.C. Pal. Isolation and identification of an active antigen fraction from *Entamoeba histolytica* trophozoites (1987). Presented at 56th Annual Meeting of Society of Biological Chemists (INDIA).
3. **P.P. Chaudhuri**, S.C. Pal, S. Pal and P. Das. Biochemical and immunological analysis of *Giardia lamblia* trophozoite antigen(s) (1987). Presented at 56th Annual Meeting of Society of Biological Chemists (INDIA).
4. **P.P. Chaudhuri**, S. Pal, P. Das, M.K. Bhattacharya, S.K. Bhattacharya, P. Dutta and S.C. Pal. Detection of circulating class specific immunoglobulin 'M' antibody to *G. lamblia* by enzyme-linked immunosorbent assay and indirect fluorescence antibody test (1988). Presented at XIIth International Congress for Tropical Medicine and Malaria, Amsterdam. The Netherlands.
5. P. Das , S.K. Bhattacharya, **P.P. Chaudhuri**, P. Dutta, G.B. Nair, D. Sen, M.R. Saha and S.C. Pal. Role of Cryptosporidium in causation of acute diarrhoea amongst children in Calcutta (1989). INDO-UK Workshop on Diarrhoeal Diseases held at NICED, Calcutta, INDIA.
6. Jose Lusi Rosales Encina, **Partha Pratim Chaudhuri**, Daniel Nava Lopez, Maria de los Santos Campos Salazar, Bertha Jimenez Delgadillo, Lidia Baylon Pacheco and Patricia Talamas Rohana. Induction of systemic immune response in mice by oral immunization with a recombinant peptide for the 30 kDa collagen-binding protein of *Entamoeba histolytica*. (1996). IV Latin American Congress of Immunology, XII Mexican Congress of Immunology. Zacatecas-Zac., Mexico.

## Annexure 1

### List of Publication:

1. **P.P. Chaudhuri**, S. Pal, S.C. Pal and P. Das. Studies on *Giardia lamblia* trophozoite antigens using sephacryl S-300 column chromatography, polyacrylamide gel electrophoresis and enzyme-linked immunosorbent Assay. In *Advances in Giardia Research*, Calgary University Press, Calgary, Canada pp. 191-194, 1988.
2. S. Pal, S.K. Bhattacharya, P. Das, **P.P. Chaudhuri**, P. Dutta, S.P. De, D. Sen, M. R. Saha, G.B. Nair and S.C. Pal. Occurrence and significance of Cryptosporidiosis in Calcutta, Trans. Roy. Soc. Trop. Med. and Hyg. Vol. 83 Part 5, pp. 520 - 521, October, 1989.
3. G.B. Nair, A. Pal, R.K. Bhadra, S. Mitra, P. Das, **P.P. Chaudhuri** and S.C. Pal. Production, subunit specificity neutralizing activity of murine monoclonal antibodies to cholera toxin. In Proceedings of INDO-UK Workshop on Diarrhoeal Diseases held at NICED, Calcutta, January, 1989.
4. **P.P. Chaudhuri**, A. De, A. Bhattacharya, S.C. Pal and Das. Identification of heterogeneity in human strains of *Giardia lamblia* by isoenzyme studies. Int. J. Med. Microbial. Vol. 274, No. 4, pp. 490 - 495, 1991.
5. **P.P. Chaudhuri**, P. Das, S.K. Bhattacharya, M.K. Bhattacharya and S.C. Pal. Enzyme immunoassay for detection of immunoglobulin M antibodies to *Giardia lamblia*. Eur. J. Clin. Microbiol. Infect. Dis. Vol. 10, pp. 534 - 536. 1991.
6. P. Banerjee, D.K. Ghosh, A. De, K. Ghose, **P.P. Chaudhuri**, P. Das and A. Bhattacharya. Metacyclogenesis of *Leishmania spp.*: species specific in vitro transformation, complement resistance cell surface carbohydrate and protein profiles. J. Parasitol. Vol. 77, No. 3, pp. 411- 417, 1991.
7. **P.P. Chaudhuri**. Biochemical and immunological studies on *Giardia lamblia* antigens with special reference to its plasmamembrane. Ph. D. Thesis, University of Calcutta, 1991.
8. **P.P. Chaudhuri**, K. Sengupta, B. Manna, M.K. Saha, S.C. Pal and P. Das. Detection of specific anti *Giardia* antibody in serodiagnosis of symptomatic giardiasis. J. Diarr. Dis. Res. Vol. 19, No. 2, pp. 151 - 155, 1992.
9. K. Sengupta, P. Das, T.M. Johnson, **P. P. Chaudhuri**, D. Das and G. B. Nair. Production and characterization of monoclonal antibodies against a highly immunogenic fraction of *E. histolytica* (NIH 200) and their application in the detection of current amoebic infection. J. Euk. Microbiol. Vol.40, No. 6, pp. 722 - 726, 1993.
10. **P.P. Chaudhuri**, A.K. Sil, D. Das, K. Sengupta, S. Bhattacharya, D.J. Chattopadhyay and P. Das. Comparative biochemical and restriction endonuclease digestion pattern analysis of Indian and Portland-1 strains of *Giardia lamblia*. J. Protozool. Res. Vol. 4, No. 1, pp. 29 - 39, 1994.



11. Juan B. Kouri, Jose L. Rosales-Encina, **Partha P. Chaudhuri**, Jose Luna and Raul Mena. Apoptosis in Human Osteoarthritic Cartilage: a microscopy report. Med. sci. Res. Vol. 25, pp. 245 - 248, 1997.
12. **P.P. Chaudhuri**, D. Das, S. Sarkar, M.L. Munoz and P. Das. Biochemical and Immunological Characterization of soluble antigens of *Giardia Lamblia*. Parasitol. Res. Vol. 83, No. 6, pp. 204 - 210, 1997.
13. Bertha Jiménez-Delgadillo, **Partha P. Chaudhuri**, Lidia Baylón-Pacheco, Aracely López-Monteon, Patricia Talamás-Rohana and José Luis Rosales-Encina. *Entamoeba histolytica*: cDNAs cloned as 30 kDa collagen-binding proteins (CBP) belong to an antioxidant molecule family. Protection of hamsters from amoebic liver abscess by immunization with recombinant CBP. J. Expt. Parasitol. Vol. 108, No. 1 – 2, pp. 7 – 17, 2004.