

Sayantana Datta

Senior Research Fellow (CSIR)

Human Genetics Unit,

Indian Statistical Institute

203, B.T. Road, Kolkata – 700108

033-2575-3241/3212 (off.), 09830409343 (mobile)

sdatta_r@isical.ac.in

http://www.isical.ac.in/~sdatta_r/



Present Position

Senior Research Fellow at Human Genetics Unit, Indian Statistical Institute, Kolkata, India with Dr. Bidyut Roy.

Thesis topic

Studies on the role of mitochondrial and mitochondria-associated nuclear gene variations in oral cancer and precancer.

PERSONAL DETAILS

Date of birth	17.08.1981
Gender	Male
Nationality	Indian
Languages known	English, Hindi, Bengali

EDUCATIONAL DETAILS

<u>Qualification</u>	<u>Board/University</u>	<u>Subjects</u>	<u>Percentage</u>	<u>Rank/Division</u>
PhD (Nov.2008-Present)	Human Genetics Unit, Indian Statistical Institute	Genetics and genomics of oral squamous cell carcinoma	CSIR-SRF	
PhD (Nov.2006-Nov.2008)	Human Genetics Unit, Indian Statistical Institute	Genetics and genomics of oral squamous cell carcinoma	CSIR-JRF	
PhD (Aug. 2005-Nov.2006)	Human Genetics Unit, Indian Statistical Institute	Genetics and genomics of oral squamous cell carcinoma	ISI-JRF	
M.Sc. Final (2005)	Banaras Hindu University (BHU), Varanasi.	Developmental Genetics and Immunogenetics Human Molecular Genetics Clinical Genetics & Genetic Counseling and Behavioural Genetics Population & Evolutionary Genetics and Molecular Genetics of Human Pathogens Practical based on these papers Clinical assignments in Hospitals Seminars	76%	1st Rank 1 st division
M.Sc. Previous (2004)	Banaras Hindu University (BHU), Varanasi.	Transmission Genetics and Basic Human Genetics. Cell Biology, Instrumentation and Bioinformatics. Cytogenetics and Model Genetic System. Biochemistry and Metabolic Disorders. Molecular Genetics DNA technology and Genetic Engineering Practical based on these papers	76%	1st Rank 1 st division
B.Sc (2000-2003)	Aurora's Degree College Osmania University, Hyderabad	Genetics, Microbiology and Chemistry	75%	1 st division
Intermediate 2000	C.B.S.E Kendriya Vidyalaya No.1,Uppal, Hyderabad.	Biology, Chemistry, Physics, English, Mathematics	75%	1 st division
High School 1998	C.B.S.E. Bharatiya Vidya Bhavan, Salt Lake, Kolkata.	Science (Physics, Chemistry, Biology), Maths, Social Science (History Civics and Geography, Economics). English, Bengali	81%	1 st division

PROJECTS

1. Working on the project “genetic polymorphisms and functional studies of genes involved in oral cancer” for PhD in HGU, ISI.
2. Clinical postings at **Institute of Medical Sciences** and Sir Sunderlal Hospital (BHU) to gain hands on experience of **diagnosing** and **counseling patients** with **various genetic disorders** as a part of M.Sc. course work.
3. Six-month project in 2004-2005 (as a part of M.Sc. course work) under **Prof. S.C.Lakhotia (Head of the dept. Molecular and Human Genetics, BHU)** on Role of *Hsp60C* in eye development of *Drosophila melanogaster*.
4. Summer Project during May-July 2004 in **Centre for Cellular and Molecular Biology, Hyderabad (CCMB) with Dr. Rakesh K Mishra** on:
 - Deficiency screening for *trans* interacting partners of *iab6,7^{P14.1}*.
 - Study on the effect of all *trans* retinoic acid on *Drosophila melanogaster*.
 - Plasmid rescue of P-element lines.

WORKSHOP/ SYMPOSIUM ATTENDED

1. HGM 2008, Hyderabad, India, 27th -30th September, 2008.
2. Joint 7th Human Genome Organization (HUGO)-Pacific Meeting and the 8th Asia-Pacific Conference on Human Genetics, Cebu, Philippines, 2nd - 5th April, 2008.
3. XXXIII Annual Conference of Indian Society of Human Genetics and International Symposium on “ Genetics Revisited: The Genomics and Proteomics Advantage”, Vizag, India, 9th – 11th February, 2008.
4. International Conference on Biodiversity: Issues and Concerns at Indian Statistical Institute from November 21-23, 2007.
5. Trends in Human Genetics organized by Dept. of Biotechnology (DBT), Govt. of India from August 20-22, 2007 at Toshali Sands, Puri, Orissa, India
6. “Frontiers in Biological Research” organized by Society of Biological Chemists (Kolkata Chapter) from August 3-5, 2007 at Visva Bharati, Santiniketan, West Bengal, India
7. XXXII Annual Conference of Indian Society of Human Genetics, Kolkata, India, 14-16th February, 2007
8. “Third Workshop on Genetic Epidemiological Methods for Dissection of Complex Human Traits”- January 4-12, 2007, TCG-ISI Centre for Population Genomics (CpG) Kolkata, India
9. “Human Evolution & Disease”- organized by EMBO in CCMB, Hyderabad, December 6-9th, 2006
10. “Excitements in Modern Biology”, organized by Society of Biological Chemists (Kolkata Chapter), 24th September, 2005.

COMPUTER KNOWLEDGE

- Other Software: MS Office XP, Adobe Photoshop, Adobe Acrobat.
- Digital Imaging and Image Processing
- Karyotyping Software: Cytovision
- BLAST, SWISS PROT and other bio-informatics tools
- SPSS statistical package.
- DNA STAR, CONSED Phred-Phrap

ACADEMIC ACHIEVEMENTS/ AWARDS

- YOUNG SCIENTIST AWARD of Indian Society of Human Genetics at XXXIII Annual Conference of Indian Society of Human Genetics, 9th -11th February, 2008, Vizag, India.
- Travel grant from Human Genome Organization – Asia Pacific (HUGO-AP) for Young Scientist Award presentation at HUGO-AP 2008 meeting at Cebu, Philippines from 2nd – 5th April, 2008.
- Best Poster Award at XXXII Annual Conference of Indian Society of Human Genetics, Kolkata, India, 14-16th February, 2007, for presentation of “Increased risk of oral cancer with respect to polymorphism at tRNA^{Leu}(CUN) and autosomal GST loci”
- Qualified CSIR-JRF in CSIR-NET in June 2005. (Roll No. 303230)
- Qualified ISI-JRF in Human Genetics in May, 2005.
- Recipient of BHU Gold Medal and Late Sri Dinanath Rai Medal for standing first in M.Sc. Molecular and Human Genetics, 2003- 2005.
- Recipient of Shraddha Srivastava Memorial Scholarship during the year 2004-2005 for standing first in M.Sc(Previous) in M.Sc. Molecular and Human Genetics.

PUBLICATION/ PRESENTATION

Journal papers

1. Mousumi Majumder, Dipanjana Indra, Puspita Das Roy, **Sayantana Datta**, Jay Gopal Ray, Chinmay K Panda, and Bidyut Roy. Variant haplotypes at XRCC1 and risk of oral leukoplakia in HPV non-infected samples. *J Oral Pathol Med*, Aug 2008
2. **Sayantana Datta**, Mousumi Majumder, Puspita Das Roy and Bidyut Roy. Risk of oral cancer and leukoplakia in relation to 4,977bp “common” deletion and D-loop somatic mutations. (Under Review)
3. **Sayantana Datta**, Mousumi Majumder, Nidhan K Biswas, Nilabja Sikdar and Bidyut Roy. Increased risk of oral cancer in relation to common Indian mitochondrial polymorphisms and autosomal GSTP1 locus. *Cancer* Nov. 2007 110(9):1991-1999.

Conference papers

1. **Sayantana Datta**, Mousumi Majumder, Nidhan K Biswas, Nilabja Sikdar and Bidyut Roy. Common mitochondrial polymorphisms, deletions and somatic mutations in oral cancer and pre-cancer. Young Investigator Award Presentation at Joint 7th Human Genome Organization (HUGO)-Pacific Meeting and the 8th Asia-Pacific Conference on Human Genetics, Cebu, Philippines, 2nd - 5th April, 2008.
2. **Sayantana Datta**. Common mitochondrial polymorphisms and mutations in oral cancer and pre-cancer. Young Scientist Award Presentation at XXXIII Annual Conference of Indian Society of Human Genetics, Vizag, India, 9-11th February, 2007.
3. **Sayantana Datta** and Bidyut Roy. Diversity of major mitochondrial haplogroups: from the perspective of cancer. Oral Presentation, International Conference on Biodiversity: Issues and Concerns at Indian Statistical Institute from November 21-23, 2007.
4. **Sayantana Datta**, Mousumi Majumder and Bidyut Roy. Increased risk of oral cancer in relation to common Indian mitochondrial polymorphisms and autosomal GSTP1 locus. Oral Presentation at "Frontiers in Biological Research" organized by Society of Biological Chemists(Kolkata Chapter) from August 3-5, 2007 at Visva Bharati, Santiniketan, West Bengal, India
5. **Sayantana Datta**, Mousumi Majumder and Bidyut Roy. "Increased risk of oral cancer with respect to polymorphism at tRNA^{Leu}(CUN) and autosomal GST loci" Poster presentation at XXXII Annual Conference of Indian Society of Human Genetics, Kolkata, India, 14-16th February, 2007

REFERENCES

1. Prof. Partha P Majumder, Professor & Head, Human Genetics Unit, Indian Statistical Institute, Kolkata – 700108. ppm@isical.ac.in +91-33-2575-3209.
2. Dr. Bidyut Roy, Associate Professor, Human Genetics Unit, Indian Statistical Institute, Kolkata – 700108 broy@isical.ac.in +91-33-2575-3213
3. Prof. S.C. Lakhota, Professor & Head, Dept. Of Molecular and Human Genetics, Banaras Hindu University, Varanasi 2210005 lakhotia@bhu.ac.in
4. Prof. Rajiva Raman, Professor, Dept. Of Zoology, Banaras Hindu University, Varanasi 2210005 rroman@bhu.ac.in