

Curriculum Vitae

Kaustuv Sanyal

Professor

Address

Molecular Biology & Genetics Unit
Jawaharlal Nehru Centre for Advanced Scientific Research
Jakkur Post, Bangalore 560064
India

Telephone: +91 80 2208 2878 (office); +91 944 981 0323 (mobile)

Email: sanyal@jncasr.ac.in or wwwsanyal@gmail.com

Lab website: www.jncasr.ac.in/sanyal

Wikipedia: https://en.wikipedia.org/wiki/Kaustuv_Sanyal

Education

2001 Ph.D. in Yeast Genetics Bose Institute, Jadavpur University, Kolkata, India

1994 M.Sc. in Biotechnology, Madurai Kamaraj University, Madurai, TN, India.

Professional Experience

05/2017 –	Professor	JNCASR, Bengaluru, India
10/2011 – 05/2017	Associate Professor	JNCASR, Bengaluru, India
10/2005 – 10/2011	Faculty Fellow	JNCASR, Bengaluru, India
08/1999 – 09/2005	Postdoctoral Researcher	University of California, Santa Barbara, USA.
04/2020 -	Visiting Professor	Osaka University, Osaka, Japan

Awards

2017 Tata Innovation Fellowship, Dept. of Biotechnology, Government of India

2012 National Bioscience Award, Dept. of Biotechnology, Government of India

2008 Outstanding Investigator Award, Eukaryotic Cell, American Society for Microbiology

Membership of significant science academies and societies

2019 Elected Fellow, American Association of Microbiology (AAM), ASM, USA

2018 Elected Fellow, Indian National Science Academy (INSA), New Delhi

2017 Elected Fellow, Indian Academy of Sciences, Bangalore

2015 Nominated Faculty member, Faculty of 1000 (F1000Prime), UK

2014 Elected Fellow, National Academy of Sciences (India) (NASI), Allahabad

2012 Elected Fellow, Guha Research Council (GRC), India

Honors

- 2021 Co-chair, Basic Science panel, 21st Conference of International Society for Human and Animal Mycology, New Delhi, India (postponed to March 2022)
- 2020 Invited Speaker, 11th International Conference on Cryptococcus and Cryptococcosis, Kampala, Uganda (postponed to June 2021)
- 2020 Invited Speaker, Gordon Research Conference – Centromere Biology (virtual)
- 2020 Visiting Professor, Osaka University, Japan
- 2020 Invited Speaker, Chromopaloosa, Vienna BioCenter, Vienna, Austria
- 2019 Invited Speaker, an EMBO conference on Comparative Genomics on Eukaryotic Microorganisms, Costa Brava, Spain
- 2019 Session Chair, 30th Fungal Genetics Conference at Asilomar, California, USA (declined)
- 2017 Invited Speaker, an EMBO conference on Comparative Genomics on Eukaryotic Microorganisms, Costa Brava, Spain
- 2017 Plenary Speaker, a conference on the host-pathogenic fungi interaction by Marie Curie Foundation in Innsbruck, Austria
- 2017 Invited Speaker, an EMBO conference on kinetochores, Edinburgh, UK
- 2017 Session Chair, 29th Fungal Genetics Conference at Asilomar, California, USA (declined)
- 2016 Member of the Advisory Board, 21st International Chromosome Conference (ICC), Brazil
- 2015 Colloquium Speaker, Indian Association for Cultivation of Science, Kolkata, India
- 2015 Plenary Speaker at 6th Lecture Course on Human Fungal Pathogens at Nice, France organized by Federation of European Biochemical Societies (FEBS)
- 2015 Mentor Talk, Ramalingaswamy Fellows' Conclave, ILS, Bhubaneswar, India
- 2014 Invited Speaker, Gordon Research Conference on Centromere Biology, Boston, USA
- 2014 Speaker of the Mentor Talk, Young Investigators' Meeting, Ramoji Film City, Hyderabad
- 2012 Invited Speaker, an EMBO conference on centromeres and kinetochore, Barcelona, Spain
- 2011 Session Chair and Invited Speaker, 26th Fungal Genetics Conference at Asilomar, California, USA organized by the Genetic Society of America (GSA)
- 2010 Invited Speaker, 10th Conference on Candida and Candidiasis, Miami, Florida, USA organized by the American Society for Microbiology (ASM)

Complete list of publications

Publications - In press/preprints

2020

Guin K, Sreekumar L, **Sanyal K*** (2020) Implications of evolutionary trajectory of centromeres in the fungal kingdom. **Annual Review of Microbiology** (*in press*)

Sreekumar L, Kumari K, Bakshi A, Varshney N, Thimmappa BC, Guin K, Narlikar L, Padinhateeri R, Siddharthan R, **Sanyal K*** (2020) Orc4 spatiotemporally stabilizes centromeric chromatin
bioRxiv 465880; doi: <https://doi.org/10.1101/465880> (*under review, Genome Research*)

Sridhar S, Hori T, Nakagawa R, Fukagawa T, **Sanyal K*** (2020) Identification of bridgin, an unconventional linker, connects the outer kinetochore to centromeric chromatin.
bioRxiv 816199; doi: <https://doi.org/10.1101/816199> (*being revised, Nature Communications*)

Publications - Journal articles

2020

1. Guin K, Chen Y, Mishra R, Muzaki SRBM, Thimmappa BC, O'Brien C, Butler G, Sanyal A*, **Sanyal K*** (2020) Spatial proximity of homologous centromere DNA sequences facilitated karyotype diversity and seeding of evolutionary new centromeres. **eLife**. 2020 May 29; 9:e58556. Doi: 10.7554/eLife.58556 PMID: 32469306 (*recommended by F1000*)
2. Fang Y, Coelho M, Shu H, Schotanus K, Thimmappa B, Yadav V, Chen H, Malc E, Wang J, Mieczkowski P, Kronmiller B, Tyler B, **Sanyal K**, Dong S, Nowrousian M, Heitman J. Long transposon-rich centromeres in an oomycete reveal divergence of centromere features in Stramenopila-Alveolata-Rhizaria lineages. **PLOS Genet**. 2020 Mar 16(3): e1008646 doi: 10.1371/journal.pgen.1008646.
3. Sankaranarayanan SR, Ianiri G, Coelho MA, Reza MH, Thimmappa BC, Ganguly P, Vadnala RN, Sun S, Siddharthan R, Tellgren-Roth C, Dawson TL Jnr, Heitman J*, **Sanyal K***. Loss of centromere function drives karyotype evolution in closely related *Malassezia* species. **eLife**. 2020 Jan 20; 9:e53944 doi: 10.7554/eLife.53944. PubMed PMID: 31958060; PubMed Central PMCID: PMC7025860. (*chosen for eLife digest*)

2019

4. Varshney N*, **Sanyal K***. Nuclear migration in budding yeasts: position before division. **Curr Genet**. 2019 Dec;65(6):1341-1346. doi: 10.1007/s00294-019-01000-x. Epub 2019 May 31. Review. PubMed PMID: 31152215.
5. Navarro-Mendoza MI, Pérez-Arques C, Panchal S, Nicolás FE, Mondo SJ, Ganguly P, Pangilinan J, Grigoriev IV, Heitman J*, **Sanyal K***, Garre V*. Early diverging fungus *Mucor circinelloides* lacks centromeric histone CENP-A and displays a mosaic of point and regional centromeres. **Curr Biol**. 2019 Nov 18;29(22):3791-3802.e6. doi: 10.1016/j.cub.2019.09.024. Epub 2019 Oct 31. PubMed PMID: 31679929; PubMed Central PMCID: PMC6925572. (*commentary in Curr Biol; recommended by F1000*)
6. Rai LS, Singha R, Sanchez H, Chakraborty T, Chand B, Bachellier-Bassi S, Chowdhury S, d'Enfert C, Andes DR, **Sanyal K***. The *Candida albicans* biofilm gene circuit modulated at the chromatin level by a recent molecular histone innovation. **PLoS Biol**. 2019 Aug;17(8):e3000422. doi: 10.1371/journal.pbio.3000422. eCollection 2019 Aug. PubMed PMID: 31398188; PubMed Central PMCID: PMC6703697. (*recommended by F1000*)
7. Sreekumar L, Jaitly P, Chen Y, Thimmappa BC, Sanyal A, **Sanyal K***. *Cis*- and *trans*-chromosomal interactions define pericentric boundaries in the absence of conventional heterochromatin. **Genetics**. 2019 Aug;212(4):1121-1132. doi: 10.1534/genetics.119.302179. Epub 2019 May 29. PubMed PMID: 31142612; PubMed Central PMCID: PMC6707466.
8. Varshney N, **Sanyal K***. Aurora kinase Ipl1 facilitates bilobed distribution of clustered kinetochores to ensure error-free chromosome segregation in *Candida albicans*. **Mol Microbiol**. 2019 Aug;112(2):569-587. doi: 10.1111/mmi.14275. Epub 2019 May 29. PubMed PMID: 31095812.
9. Yadav V, Yang F, Reza MH, Liu S, Valent B, **Sanyal K***, Naqvi NI*. Cellular dynamics and genomic identity of centromeres in cereal blast fungus. **mBio**. 2019 Jul 30;10(4). doi: 10.1128/mBio.01581-19. PubMed PMID: 31363034; PubMed Central PMCID: PMC6667624.

10. Prasad P, **Sanyal K**, Ghosh SK. Sth1, the key subunit of the RSC chromatin remodeling complex, is essential in maintaining chromosomal integrity and mediating high fidelity chromosome segregation in the human fungal pathogen *Candida albicans*. **Front Microbiol.** 2019;10:1303. doi: 10.3389/fmicb.2019.01303. eCollection 2019. PubMed PMID: 31249561; PubMed Central PMCID: PMC6582774.
11. Legrand M, Jaitly P, Feri A, d'Enfert C*, **Sanyal K***. *Candida albicans*: An emerging yeast model to study eukaryotic genome plasticity. **Trends Genet.** 2019 Apr;35(4):292-307. doi: 10.1016/j.tig.2019.01.005. Epub 2019 Feb 28. Review. PubMed PMID: 30826131.
12. Kakade P, Mahadik K, Balaji KN, **Sanyal K**, Nagaraja V. Two negative regulators of biofilm development exhibit functional divergence in conferring virulence potential to *Candida albicans*. **FEMS Yeast Res.** 2019 Mar 1;19(2). doi: 10.1093/femsyr/foy078. PubMed PMID: 30052909.
13. Varshney N, Som S, Chatterjee S, Sridhar S, Bhattacharyya D, Paul R*, **Sanyal K***. Spatio-temporal regulation of nuclear division by Aurora B kinase Ipl1 in *Cryptococcus neoformans*. **PLoS Genet.** 2019 Feb;15(2):e1007959. doi: 10.1371/journal.pgen.1007959. eCollection 2019 Feb. PubMed PMID: 30763303; PubMed Central PMCID: PMC6392335.
14. Suneet K, Sridhar S, Agiwal P, Sridhar MS, **Sanyal K**, Jain S. Magnetic hyperthermia adjunctive therapy for fungi: *in vitro* studies against *Candida albicans*. **Int J Hyperthermia.** 2019;36(1):545-553. doi: 10.1080/02656736.2019.1609705. PubMed PMID: 31132896.

2018

15. Yadav V, Sreekumar L, Guin K, **Sanyal K***. Five pillars of centromeric chromatin in fungal pathogens. **PLoS Pathog.** 2018 Aug;14(8):e1007150. doi: 10.1371/journal.ppat.1007150. eCollection 2018 Aug. Review. PubMed PMID: 30138484; PubMed Central PMCID: PMC6107279.
16. Yadav V*, **Sanyal K***. Sad1 spatiotemporally regulates kinetochore clustering to ensure high-fidelity chromosome segregation in the human fungal pathogen *Cryptococcus neoformans*. **mSphere.** 2018 Jul 5;3(4). doi: 10.1128/mSphere.00190-18. PubMed PMID: 29976642; PubMed Central PMCID: PMC6034078.
17. Hoque J, Yadav V, Prakash R, **Sanyal K**, Haldar J. Dual-function polymer-silver nanocomposites for rapid killing of microbes and inhibiting biofilms. **ACS Biomaterials Science and Engineering.** 2018 May; 5(1):81-91. doi: doi.org/10.1021/acsbmaterials.8b00239.
18. Yadav V, Sun S, Billmyre RB, Thimmappa BC, Shea T, Lintner R, Bakkeren G, Cuomo CA, Heitman J, **Sanyal K***. RNAi is a critical determinant of centromere evolution in closely related fungi. **Proc Natl Acad Sci U S A.** 2018 Mar 20;115(12):3108-3113. doi: 10.1073/pnas.1713725115. Epub 2018 Mar 5. PubMed PMID: 29507212; PubMed Central PMCID: PMC5866544.
19. Rai L, Singha R, Brahma P, **Sanyal K***. Epigenetic determinants of phenotypic plasticity in *Candida albicans*. **Fungal Biology Reviews.** 2018 January; 32(1):10-19. doi: 10.1016/j.fbr.2017.07.002.

2017

20. Sun S, Yadav V, Billmyre RB, Cuomo CA, Nowrousian M, Wang L, Souciet JL, Boekhout T, Porcel B, Wincker P, Granek JA, **Sanyal K**, Heitman J. Fungal genome and mating system transitions facilitated by chromosomal translocations involving intercentromeric recombination. **PLoS Biol.** 2017

Aug;15(8):e2002527. doi: 10.1371/journal.pbio.2002527. eCollection 2017 Aug. PubMed PMID: 28800596; PubMed Central PMCID: PMC5568439.

21. Altamirano S, Fang D, Simmons C, Sridhar S, Wu P, **Sanyal K**, Kozubowski L. Fluconazole-induced ploidy change in *Cryptococcus neoformans* results from the uncoupling of cell growth and nuclear division. **mSphere**. 2017 May-Jun;2(3). doi: 10.1128/mSphere.00205-17. eCollection 2017 May-Jun. PubMed PMID: 28630940; PubMed Central PMCID: PMC5471349.
22. Ghosh C, Yadav V, Younis W, Mohammad H, Hegazy YA, Seleem MN, **Sanyal K**, Haldar J. Aryl-alkyl-lysines: Membrane-active fungicides that act against biofilms of *Candida albicans*. **ACS Infect Dis**. 2017 Apr 14;3(4):293-301. doi: 10.1021/acsinfecdis.6b00192. Epub 2017 Mar 14. PubMed PMID: 28238268.
23. Zhu Y, Engström PG, Tellgren-Roth C, Baudo CD, Kennell JC, Sun S, Billmyre RB, Schröder MS, Andersson A, Holm T, Sigurgeirsson B, Wu G, Sankaranarayanan SR, Siddharthan R, **Sanyal K**, Lundeborg J, Nystedt B, Boekhout T, Dawson TL Jr, Heitman J, Scheynius A, Lehtiö J. Proteogenomics produces comprehensive and highly accurate protein-coding gene annotation in a complete genome assembly of *Malassezia sympodialis*. **Nucleic Acids Res**. 2017 Mar 17;45(5):2629-2643. doi: 10.1093/nar/gkx006. PubMed PMID: 28100699; PubMed Central PMCID: PMC5389616.

2016

24. Datta A, Yadav V, Ghosh A, Choi J, Bhattacharyya D, Kar RK, Ilyas H, Dutta A, An E, Mukhopadhyay J, Lee D, **Sanyal K**, Ramamoorthy A, Bhunia A. Mode of action of a designed antimicrobial peptide: High potency against *Cryptococcus neoformans*. **Biophys J**. 2016 Oct 18;111(8):1724-1737. doi: 10.1016/j.bpj.2016.08.032. PubMed PMID: 27760359; PubMed Central PMCID: PMC5071555.
25. Hoque J, Adhikary U, Yadav V, Samaddar S, Konai MM, Prakash RG, Paramanandham K, Shome BR, **Sanyal K**, Haldar J. Chitosan derivatives active against multidrug-resistant bacteria and pathogenic fungi: In vivo evaluation as topical antimicrobials. **Mol Pharm**. 2016 Oct 3;13(10):3578-3589. doi: 10.1021/acs.molpharmaceut.6b00764. Epub 2016 Sep 21. PubMed PMID: 27589087.
26. Kakade P, Sadhale P, **Sanyal K**, Nagaraja V. ZCF32, a fungus specific Zn(II)₂ Cys₆ transcription factor, is a repressor of the biofilm development in the human pathogen *Candida albicans*. **Sci Rep**. 2016 Aug 8;6:31124. doi: 10.1038/srep31124. PubMed PMID: 27498700; PubMed Central PMCID: PMC4976313.
27. Chatterjee G, Sankaranarayanan SR, Guin K, Thattikota Y, Padmanabhan S, Siddharthan R, **Sanyal K***. Repeat-associated fission yeast-like regional centromeres in the ascomycetous budding yeast *Candida tropicalis*. **PLoS Genet**. 2016 Feb;12(2):e1005839. doi: 10.1371/journal.pgen.1005839. eCollection 2016 Feb. PubMed PMID: 26845548; PubMed Central PMCID: PMC4741521.
28. Mitra S, Rai LS, Chatterjee G, Sanyal K*. Chromatin Immunoprecipitation (ChIP) assay in *Candida albicans*. **Methods Mol Biol**. 2016;1356:43-57. doi: 10.1007/978-1-4939-3052-4_4. PubMed PMID: 26519064.

2015

29. Sutradhar S, Yadav V, Sridhar S, Sreekumar L, Bhattacharyya D, Ghosh SK, Paul R*, **Sanyal K***. A comprehensive model to predict mitotic division in budding yeasts. **Mol Biol Cell**. 2015 Nov 5;26(22):3954-65. doi: 10.1091/mbc.E15-04-0236. Epub 2015 Aug 26. PubMed PMID: 26310442; PubMed Central PMCID: PMC4710229.

30. K T N*, **Sanyal K***. The good, the bad, and the ugly: How to protect chromosome stability from potential threats: A report on the Chromosome Stability Meeting, Bangalore, India, 14-17 December, 2014. **Bioessays**. 2015 Jul;37(7):717-20. doi: 10.1002/bies.201500023. Epub 2015 Apr 17. PubMed PMID: 25881556; PubMed Central PMCID: PMC4683669.
31. Varshney N, Schaekel A, Singha R, Chakraborty T, van Wijlick L, Ernst JF*, **Sanyal K***. A surprising role for the Sch9 protein kinase in chromosome segregation in *Candida albicans*. **Genetics**. 2015 Mar;199(3):671-4. doi: 10.1534/genetics.114.173542. Epub 2015 Jan 15. PubMed PMID: 25591453; PubMed Central PMCID: PMC4349062.
32. Hoque J, Akkapeddi P, Yadav V, Manjunath GB, Uppu DS, Konai MM, Yarlagadda V, **Sanyal K**, Haldar J. Broad spectrum antibacterial and antifungal polymeric paint materials: synthesis, structure-activity relationship, and membrane-active mode of action. **ACS Appl Mater Interfaces**. 2015 Jan 28;7(3):1804-15. doi: 10.1021/am507482y. Epub 2015 Jan 17. PubMed PMID: 25541751.

2014

33. Mitra S, Gómez-Raja J, Larriba G, Dubey DD, **Sanyal K***. Rad51-Rad52 mediated maintenance of centromeric chromatin in *Candida albicans*. **PLoS Genet**. 2014 Apr;10(4):e1004344. doi: 10.1371/journal.pgen.1004344. eCollection 2014 Apr. PubMed PMID: 24762765; PubMed Central PMCID: PMC3998917.
34. Janbon G, Ormerod KL, Paulet D, Byrnes EJ 3rd, Yadav V, Chatterjee G, Mullapudi N, Hon CC, Billmyre RB, Brunel F, Bahn YS, Chen W, Chen Y, Chow EW, Coppée JY, Floyd-Averette A, Gaillardin C, Gerik KJ, Goldberg J, Gonzalez-Hilarion S, Gujja S, Hamlin JL, Hsueh YP, Ianiri G, Jones S, Kodira CD, Kozubowski L, Lam W, Marra M, Mesner LD, Mieczkowski PA, Moyrand F, Nielsen K, Proux C, Rossignol T, Schein JE, Sun S, Wollschlaeger C, Wood IA, Zeng Q, Neuvéglise C, Newlon CS, Perfect JR, Lodge JK, Idnurm A, Stajich JE, Kronstad JW, **Sanyal K**, Heitman J, Fraser JA, Cuomo CA, Dietrich FS. Analysis of the genome and transcriptome of *Cryptococcus neoformans* var. *grubii* reveals complex RNA expression and microevolution leading to virulence attenuation. **PLoS Genet**. 2014 Apr;10(4):e1004261. doi: 10.1371/journal.pgen.1004261. eCollection 2014 Apr. PubMed PMID: 24743168; PubMed Central PMCID: PMC3990503.

2013

35. Kozubowski L*, Yadav V, Chatterjee G, Sridhar S, Yamaguchi M, Kawamoto S, Bose I, Heitman J, **Sanyal K***. Ordered kinetochore assembly in the human-pathogenic basidiomycetous yeast *Cryptococcus neoformans*. **mBio**. 2013 Oct 1;4(5):e00614-13. doi: 10.1128/mBio.00614-13. PubMed PMID: 24085781; PubMed Central PMCID: PMC3791896.
36. Chakraborty U, Mohamed A, Kakade P, Mugasimangalam RC, Sadhale PP, **Sanyal K***. A stable hybrid containing haploid genomes of two obligate diploid *Candida* species. **Eukaryot Cell**. 2013 Aug;12(8):1061-71. doi: 10.1128/EC.00002-13. Epub 2013 May 24. PubMed PMID: 23709179; PubMed Central PMCID: PMC3754532.
37. Thakur J, **Sanyal K***. Efficient neocentromere formation is suppressed by gene conversion to maintain centromere function at native physical chromosomal loci in *Candida albicans*. **Genome Res**. 2013 Apr;23(4):638-52. doi: 10.1101/gr.141614.112. Epub 2013 Feb 25. PubMed PMID: 23439889; PubMed Central PMCID: PMC3613581.

38. Roy B, Varshney N, Yadav V, **Sanyal K***. The process of kinetochore assembly in yeasts. **FEMS Microbiol Lett.** 2013 Jan;338(2):107-17. doi: 10.1111/1574-6968.12019. Epub 2012 Oct 29. Review. PubMed PMID: 23039831.

2012

39. Thakur J, **Sanyal K***. A coordinated interdependent protein circuitry stabilizes the kinetochore ensemble to protect CENP-A in the human pathogenic yeast *Candida albicans*. **PLoS Genet.** 2012;8(4):e1002661. doi: 10.1371/journal.pgen.1002661. Epub 2012 Apr 19. PubMed PMID: 22536162; PubMed Central PMCID: PMC3334883.
40. **Sanyal K***. How do microbial pathogens make CENs?. **PLoS Pathog.** 2012 Feb;8(2):e1002463. doi: 10.1371/journal.ppat.1002463. Epub 2012 Feb 9. PubMed PMID: 22346745; PubMed Central PMCID: PMC3276562.

2011

41. Roy B, **Sanyal K***. Diversity in requirement of genetic and epigenetic factors for centromere function in fungi. **Eukaryot Cell.** 2011 Nov;10(11):1384-95. doi: 10.1128/EC.05165-11. Epub 2011 Sep 9. Review. PubMed PMID: 21908596; PubMed Central PMCID: PMC3209047.
42. Thakur J, **Sanyal K***. The essentiality of the fungus-specific Dam1 complex is correlated with a one-kinetochore-one-microtubule interaction present throughout the cell cycle, independent of the nature of a centromere. **Eukaryot Cell.** 2011 Oct;10(10):1295-305. doi: 10.1128/EC.05093-11. Epub 2011 May 13. PubMed PMID: 21571923; PubMed Central PMCID: PMC3187063.
43. Laha S, Das SP, Hajra S, Sanyal K, Sinha P. Functional characterization of the *Saccharomyces cerevisiae* protein Chl1 reveals the role of sister chromatid cohesion in the maintenance of spindle length during S-phase arrest. **BMC Genet.** 2011 Sep 23;12:83. doi: 10.1186/1471-2156-12-83. PubMed PMID: 21943249; PubMed Central PMCID: PMC3190345.
44. Roy B, Burrack LS, Lone MA, Berman J, **Sanyal K***. CaMtw1, a member of the evolutionarily conserved Mis12 kinetochore protein family, is required for efficient inner kinetochore assembly in the pathogenic yeast *Candida albicans*. **Mol Microbiol.** 2011 Apr;80(1):14-32. doi: 10.1111/j.1365-2958.2011.07558.x. Epub 2011 Feb 10. PubMed PMID: 21276093; PubMed Central PMCID: PMC3086999.

2008

45. Padmanabhan S, Thakur J, Siddharthan R, **Sanyal K***. Rapid evolution of Cse4p-rich centromeric DNA sequences in closely related pathogenic yeasts, *Candida albicans* and *Candida dubliniensis*. **Proc Natl Acad Sci U S A.** 2008 Dec 16;105(50):19797-802. doi: 10.1073/pnas.0809770105. Epub 2008 Dec 5. PubMed PMID: 19060206; PubMed Central PMCID: PMC2604992. (*recommended by F1000*)

1998 – 2006 (Doctoral and postdoctoral work)

46. Baum M[^], **Sanyal K[^]**, Mishra PK, Thaler N, Carbon J. Formation of functional centromeric chromatin is specified epigenetically in *Candida albicans*. **Proc Natl Acad Sci U S A.** 2006 Oct 3;103(40):14877-82. doi: 10.1073/pnas.0606958103. Epub 2006 Sep 26. PubMed PMID: 17001001; PubMed Central PMCID: PMC1595444. ([^]equally contributed) (*recommended by F1000*)

47. **Sanyal K**, Baum M, Carbon J. Centromeric DNA sequences in the pathogenic yeast *Candida albicans* are all different and unique. **Proc Natl Acad Sci U S A**. 2004 Aug 3;101(31):11374-9. doi: 10.1073/pnas.0404318101. Epub 2004 Jul 22. PubMed PMID: 15272074; PubMed Central PMCID: PMC509209.
48. **Sanyal K**, Carbon J. The CENP-A homolog CaCse4p in the pathogenic yeast *Candida albicans* is a centromere protein essential for chromosome transmission. **Proc Natl Acad Sci U S A**. 2002 Oct 1;99(20):12969-74. doi: 10.1073/pnas.162488299. Epub 2002 Sep 23. PubMed PMID: 12271118; PubMed Central PMCID: PMC130570.
49. Ghosh SK, Poddar A, Hajra S, **Sanyal K**, Sinha P. The IML3/MCM19 gene of *Saccharomyces cerevisiae* is required for a kinetochore-related process during chromosome segregation. **Mol Genet Genomics**. 2001 Apr;265(2):249-57. doi: 10.1007/s004380000408. PubMed PMID: 11361335.
50. **Sanyal K**, Ghosh SK, Sinha P. The MCM16 gene of the yeast *Saccharomyces cerevisiae* is required for chromosome segregation. **Mol Gen Genet**. 1998 Nov;260(2-3):242-50. doi: 10.1007/s004380050892. PubMed PMID: 9862478.

* **corresponding/co-corresponding author**

Publications – Patents

Sanyal K, Padmanabhan S, Thakur R (2016) Polynucleotide sequences of *Candida dubliniensis* and probes for its detection. **US Patent 9,334,535**

Publications - PhD dissertation

Sanyal K (1999) Cloning and characterization of MCM16 and MCM18 genes of *Saccharomyces cerevisiae* required for chromosome segregation. Jadavpur University, Kolkata

Publications – Book chapters

Sridhar S, Dumbrepatil A, Sreekumar L, Sankaranarayanan S R, Guin K, **Sanyal K** (2017) Centromeres and kinetochore: Essential components of chromosome segregation. *In Gene Regulation, Epigenetics, Hormone Signaling (Springer) edited by Mondal S.*

Sreekumar S, Varshney N, **Sanyal K** (2017) Chromosomal components important for genome stability in *Candida albicans* and related species. *In Candida albicans: Cellular and Molecular Biology (springer) edited by Prasad R.*

Mentorship

PhD students graduated:	09
PhD students pursuing:	09
MS students graduated:	13
MS students pursuing:	02
Postdocs completed:	04
Postdocs pursuing:	03

Seminars

Abroad

- Invited Speaker, Gordon Research Conference – Centromere Biology (virtual) (2020)
- Invited Speaker, Chromopalooza, Vienna BioCenter, Vienna, Austria (2020)
- Invited Speaker, Tamasek Life Science Laboratories, Singapore (2019)
- Invited Speaker, EMBO Conference on Comparative Genomics on Eukaryotic Microorganisms in Costa Brava, Spain (2019)
- Invited Speaker, Tamasek Life Science Laboratories, Singapore (2018)
- Invited Speaker, Duke University Medical Center, USA (2018)
- Invited Speaker, Pasteur Institute, Paris, France (2018)
- Invited Speaker, EMBO Conference on Comparative Genomics on Eukaryotic Microorganisms in Costa Brava, Spain (2017)
- Plenary Speaker, ImResFun, Marie Curie Foundation conference on pathogenic yeasts in Innsbruck, Austria (2017)
- Invited Speaker, Tamasek Life Science Laboratories, Singapore (2017)
- Invited Speaker, EMBO Conference on Kinetochores, Wellcome Trust Centre for Cell Biology, Edinburgh, UK (2017)
- Session Chair, 29th Fungal Genetics Conference at Asilomar, California, USA (2017) organized by the Genetic Society of America (declined)
- Invited Speaker, Tamasek Life Science Laboratories, Singapore (2016)
- Invited Speaker, Gordon Research Conference on Centromere Biology, at Bentley University MA, USA (2014)
- Invited Speaker, Tamasek Life Science Laboratories, Singapore (September 2014)
- Invited Speaker, Duke University Medical Center, NC, USA (June 2014)
- Invited Speaker, EMBO conference on Centromeres and Kinetochore, Barcelona, Spain (2012)
- Invited Speaker, International Conference on Candida by Ramon Foundation in University of Extremadura, Badajoz, Spain (2012)
- Invited Speaker, KAIST, South Korea (2012)
- Invited Speaker, Indo-Korea conference at Daejong, South Korea (2012)
- Distinguished Visiting Professor and Invited Speaker, University of Extremadura, Badajoz, Spain (2011)
- Invited Speaker, A session on Fungal Centromeres in the 26th Fungal Genetics Conference at Asilomar, California, USA (2011) organized by the Genetic Society of America.
- Distinguished Visiting Professor and Invited Speaker, University of Extremadura, Badajoz, Spain (2011)
- Invited Speaker, Duke University Medical Center, NC, USA (2010)
- Invited Speaker, 10th ASM Conference on Candida and Candidiasis, Miami, FL, USA (2010)

India

- Invited Speaker, Indian Science Congress, Bangalore (2020)
- Invited Speaker, Yeast Meeting, Hyderabad (2019)
- Invited Speaker, Thirsting for Theoretical Biology, International Centre for Theoretical Science (ICTS), Bangalore (2019)
- Invited Speaker, A conference organized by BARC, Mumbai (2019)
- Invited Speaker, BTMO, Indian Institute of Science, Bangalore (2019)
- Invited Speaker, Chromosome Stability Meeting, Bangalore (2018)
- Invited Speaker, National Centre for Biological Science, Bangalore (2018)
- Invited Speaker, A conference organized by Centre for Infectious Disease Research, IISc (2018)
- Invited Speaker, Trends in Molecular Biology, St. Joseph's College, Bangalore (2018)

- Invited Speaker at a conference on SIHAM at St. John's hospital, Bangalore (2018)
- Invited Speaker at the Microbiology & Cell Biology Department at Indian Institute of Science, Bangalore (2018)
- Invited Speaker, Indo-US conference at Indian Institute of Science, Bangalore (2018)
- Invited Speaker, IABS at Indian Association for Cultivation of Science, Kolkata (2018)
- Invited Speaker, 10th Yeast Meeting at Jawaharlal Nehru University, New Delhi (2018)
- Invited Speaker, Guha Research Conference, Kumarakom, Kerala (2017)
- Invited Speaker, Second Annual Meeting on Infectious Diseases, Centre for Infectious Diseases, Indian Institute of Science, Bengaluru (2017)
- Invited Speaker, Microbiology in the new millennium, Bose Institute, Kolkata (2017)
- Invited Speaker, 83rd Annual Meeting of Indian Academy of Sciences, North-eastern Hill University, Shillong (2017)
- Invited Speaker, Chromatin Asia Meeting, Centre for Cellular & Molecular Biology, Hyderabad (2017)
- Invited Speaker, School of Life Sciences, Jawaharlal Nehru University, New Delhi (2017)
- Invited Speaker, Refresher course for college and university teachers, Indian Institute of Science, Bengaluru (2017)
- Invited Speaker, 3rd conference on Cell Signalling and Molecular Medicine, Bose Institute, Kolkata (2017)
- Invited Speaker, 3rd conference on Chromosome Stability in Kovalam, Kerala (2016)
- Invited Speaker, CDFD, Hyderabad (2016)
- Invited Speaker, Centre for Human Genetics, Bangalore (2016)
- Invited Speaker, School of Life Sciences, Manipal University (2016)
- Invited Speaker, Indian Yeast Biology Conference, Jadavpur University, Kolkata (2015)
- Invited Speaker, Annual Indian Cell Biology Conference, Hotel Samudra, Trivandram (2015)
- Invited Speaker, IMTECH, Chandigarh (2015)
- Invited Speaker, Vivekananda Institute, Chennai (2015)
- Invited Speaker, Presidency University, Kolkata (2015)
- Invited Speaker, Chromatin Asia conference, JNCASR, Bangalore (2015)
- Invited Speaker, Dept. of Biotechnology and Biochemical Engineering, IIT-Bombay, Mumbai (2015)
- Co-organizer and Invited Speaker, Second conference on chromosome stability, JNCASR, Bangalore (2014)
- Invited Speaker, Kasturba Medical College, Manipal University, Manipal (2014)
- Invited Speaker, 40 years of School of Life Sciences, JNU, New Delhi (2014)
- Co-convenor and Invited Speaker, 20 years of Cdr1, JNU, New Delhi (2014)
- Invited Speaker, IISER-Trivandram (2013)
- Invited Speaker, Frontiers in Modern Biology, IISc, Bangalore (2013)
- Invited Speaker, ACTREC, Navi Mumbai (2013)
- Invited Speaker, Dept. of Biochemistry, IISc, Bangalore (2013)
- Co-organizer and Invited Speaker, First conference on chromosome stability, Ponmudi Hills, Trivandram (2012)
- Invited Speaker, Guha Research Conference, Shillong (2012)
- Invited Speaker, Asian conference on chromatin, CCMB, Hyderabad (2012)
- Invited Speaker, Annual Meeting of the Society for Biological Chemists, India SBC(I), Science City, Kolkata (2012)
- Invited Speaker, CNR Rao Hall of Science, JNCASR, Bangalore (2012)
- Invited Speaker, International Conference on Yeast Biology at IIT-Bombay, Mumbai (2011)
- Organized and speaker, Indo-German conference on pathogenic fungi, JNCASR, Bangalore (2011)
- Invited Speaker, Asian chromatin conference at JNCASR, Bangalore (2010)
- Invited Speaker, 79th Meeting of Society for Society for Biological Chemists, India at Indian Institute of Science, Bangalore (2010)
- Invited Speaker, Society for Biological Chemists, India (2010)
- Invited Speaker, SMYTE meeting at New Delhi (2010)

- Invited Speaker, International symposium on “Biology of Yeasts and Filamentous Fungi” at Hyderabad, India (2009)
- Invited Speaker, International symposium on DNA-Protein Transactions & 12th Transcriptional Assembly meeting held at Chandigarh, India (2009)
- Invited Speaker, The Third National Frontiers of Science (NATFOS) Symposium" organized by Indo-US S & T forum held at INSA, New Delhi , India (2009)
- Invited Speaker, Bose Institute, Kolkata, India (2008)
- Invited Speaker, B.C. Guha Centre, Calcutta University, Kolkata, India (2008)
- Invited Speaker, International Symposium on Nuclear Architecture and Chromatin Dynamics held at Hyderabad, India (2008)
- Invited Speaker, International meeting on yeasts at Pune, India (2007)
- Invited Speaker, International symposium on Nuclear Architecture: Chromosome-chromatin dynamics in Bangalore, India (2006)

Research grants

Research grants awarded

Completed: 10
Ongoing: 08

Completed

11/2006 – 11/2010 PI: Kaustuv Sanyal
Council of Scientific & Industrial Research, Govt. of India

Characterization of an Evolutionarily Conserved Kinetochores Protein Mtw1p: A Tool to Analyze Kinetochores Structure of the Human Fungal Pathogen *Candida albicans*

10/2007 – 04/2011 PI: Kaustuv Sanyal
Department of Science & Technology, Govt. of India

Characterization of factors required for determining centromere identity using human pathogenic yeast *Candida albicans* as a model system

09/2008 – 09/2011 PI: Kaustuv Sanyal
Department of Biotechnology, Govt. of India

Functional Analysis of Dynamic Kinetochores-Microtubule Interaction in the human Pathogen *Candida albicans*

06/2011 – 06/2014 PI: Kaustuv Sanyal
Council of Scientific & Industrial Research, Govt. of India

Understanding the parasexual cycle of a hybrid formed between two asexual pathogens *Candida albicans* and *Candida dubliniensis*.

06/2011 – 06/2014 PI: Kaustuv Sanyal co-PI: Dharani Dhar Dubey
Department of Biotechnology, Govt. of India

Identification of DNA replication origins and origin binding proteins of the human pathogen *Candida albicans*.

11/2011 – 11/2015 PI: Kaustuv Sanyal

Department of Biotechnology, Govt. of India

Structure-function analysis of centromeres of a pathogenic yeast *Candida tropicalis*

06/2013 – 06/2017 PI: Kaustuv Sanyal

Department of Biotechnology, Govt. of India

Characterization of fungal specific Dam1 complex as an attractive target for safer and more potent anti-fungal drug to treat Candidiasis

10/2013 – 10/2017 PI: Kaustuv Sanyal

National Bioscience Award, Department of Biotechnology, Govt. of India

Identification of centromeres of the budding yeast *Saccharomyces castellii*

10/2013 – 10/2017 PI: Kaustuv Sanyal

Science and Engineering Research Board (SERB), Govt. of India

Role of histone H3 variants in genome indexing in *Candida albicans*

04/2016 – 04/2018 PI: Kaustuv Sanyal

Department of Science and Technology, Govt. of India - Technical Research Centre

A PCR-based approach for rapid detection of human pathogenic *Candida* species

08/2017 – 08/2019 PI(s): Kaustuv Sanyal, Tatsuo Fukagawa

Indo-Japan Cooperative Science Programme, Department of Biotechnology, Govt. of India

In search of a missing piece: Understanding the kinetochore architecture of the human fungal pathogen that lost most evolutionarily conserved kinetochore proteins.

Ongoing

03/2017 – 07/2020 co-PI: Kaustuv Sanyal PI: Santanu Kumar Ghosh

Department of Biotechnology, Govt. of India

Study of shugoshin and meiosis-specific Rec8-cohesin in *Candida albicans*

05/2017 – 04/2021 PI(s): Kaustuv Sanyal, Christophe d'Enfert

Indo-French Centre for the Promotion of Advanced Research - CEFIPRA

A genome-wide study to identify novel regulators of chromosome stability using the human pathogenic yeast *Candida albicans* as the model system

07/2017 – 07/2022 PI: Kaustuv Sanyal

Tata Innovation Fellowship – Department of Biotechnology, Govt. of India

Mechanism of chromosome segregation in the human fungal pathogen *Cryptococcus neoformans*

01/2018 – 01/2021 PI: Kaustuv Sanyal

Department of Biotechnology, Govt. of India

Mechanism of centromere assembly in the human fungal pathogen *Candida albicans*

08/2018 – 08/2020 PI (s): Kaustuv Sanyal, Karl Kuchler

Department of Science & Technology, Govt. of India

Foreign Federal Ministry of Science, Research and Economy, Austria

Understanding the role of CTG clade specific histone H3 in pathobiology of *Candida albicans* variant

09/2018 – 08/2021 PI(s): Kaustuv Sanyal, Arunaloke Chakrabarti, Rajendra Prasad
Indian Council of Medical Research, Govt. of India
Mechanism, evolution and pharmacology of multidrug resistance in the emerging fungal pathogen
Candida auris among Indian cohort of patients

09/2019 – 09/2022 PI: Kaustuv Sanyal, Co-PI Arunaloke Chakrabarti
Department of Biotechnology, Govt. of India
Characterization of the Genome-wide Alterations Associated with Drug Resistance in *Candida tropicalis*

02/2020 – 02/2023 PI: Kaustuv Sanyal
Science and Educational Research Board, Govt. of India
Understanding the Structure-function relation of the kinetochore and its role in chromosomal dynamics during the cell cycle in *Cryptococcus neoformans*

Conference awards to PI

- 2008 Eukaryotic Cell Outstanding Young Investigator Award, ASM Meeting on *Candida* and Candidiasis, New York, USA
- 2008 Travel award, American Society of Microbiology (Jersey City, USA)
- 2012 Travel Award, Indo-Korean Meeting (Daejeon, South Korea)
- 2012 Travel award, EMBO (Barcelona, Spain)
- 2012 Travel Award, Ramon Foundation, Spain (Balajoz, Sapin)
- 2014 Travel award, Gordon Research Conference (Boston, USA)
- 2015 Travel award, FEMS Meeting on HFP (Nice, France)
- 2017 Travel Award, EMBO (Edinburgh, UK)
- 2017 Travel Award, EMBO (Barcelona, Spain)
- 2017 Travel Award, Marie Curie Foundation (Innsbruck, Austria)
- 2019 Travel Award, EMBO (Barcelona, Spain)
- 2020 Travel Award, Chromopalooza, Vienna BioCenter, Vienna, Austria

Awards to students supervised

- 2009 Jitendra Thakur; International symposium on DNA-Protein Transactions & 12th Transcriptional Assembly meeting at Chandigarh, India (Selected for Platform presentation)
- 2009 Laxmi Shanker Rai; Howard Hughes Medical Institute (HHMI) grant to attend “Advanced Laboratory Training Course: Molecular Medical Mycology” at Bangkok, Thailand.
- 2010 Babhrubahan Roy; Best Poster Award at International Symposium on Chromosome/Chromatin dynamics: epigenetics and diseases and 3rd meeting of the Asian forum of chromosome and chromatin Biology” at JNCASR
- 2010 Uttara Chakraborty; Best Poster Award at the Society of Biological Chemists (SBC) at IISc, Bangalore
- 2010 Shipra Grover (Summer Student); Rajiv Gandhi Fellowship, JNCASR, India
- 2011 Jitendra Thakur; “Future of Science Fund” Scholarship for attending the conference ‘Epigenomics’ organized by Keystone Symposia, Colorado, USA
- 2011 Uttara Chakraborty; Travel Grant to attend Lecture course on Human fungal pathogen organized by Federation of European Biochemical Societies (FEBS) at Nice, France
- 2011 Uttara Chakraborty; Eukaryotic Cell Outstanding Young Investigator award for best Poster at Lecture course on Human fungal pathogen organized by Federation of European Biochemical Societies (FEBS) at Nice, France

- 2011 Gautam Chatterjee; Best Poster Award at the Annual Faculty Meeting organized by JNCASR
- 2011 Babhrubahan Roy; Invited Speaker at Annual Faculty Meeting organized by JNCASR
- 2012 Jitendra Thakur; EMBO short term fellowship to visit "Wellcome Trust Centre for Cell Biology", The University of Edinburgh, Scotland, UK
- 2012 Jitendra Thakur; Best Thesis award in Biological Sciences for the year
- 2012 Babhrubahan Roy; DST travel award to attend "Molecular Mycology: Current Approaches to Fungal Pathogenesis" at Marine Biological Laboratory, Woods Hole, USA
- 2012 Babhrubahan Roy; Received Financial Aid from MBL/Burroughs, Wellcome Fund to attend "Molecular Mycology: Current Approaches to Fungal Pathogenesis" at Marine Biological Laboratory, Woods Hole, USA
- 2013 Babhrubahan Roy; Best Thesis award in Biological Sciences for the year 2012-2013
- 2013 Sreyoshi Mitra; DBT travel Award to attend FASEB meeting
- 2013 Neha Varshney; Best Poster and Teaser Prize at the Annual Faculty Meeting organized by JNCASR
- 2014 Laxmi Shanker Rai; ICMR travel grant to attend 12th American Society of Microbiology (ASM) meeting on "Candida and Candidiasis" at New Orleans, USA
- 2014 Laxmi Shanker Rai; Received Financial aid from American Society of Microbiology to attend 12th American Society of Microbiology (ASM) meeting on "Candida and Candidiasis" at New Orleans, USA
- 2014 Laxmi Shanker Rai; Selected Speaker at 12th American Society of Microbiology (ASM) meeting on "Candida and Candidiasis" at New Orleans, USA
- 2014 Neha Varshney; Best Poster Award at "Chromosome stability 2014" meeting organized at JNCASR, Bangalore
- 2014 Vikas Yadav; DST travel grant to attend "Molecular Mycology: Current Approaches to Fungal Pathogenesis" at Marine Biological Laboratory, Woods Hole, USA
- 2014 Sreyoshi Mitra; Best Thesis award in Biological Sciences for the year 2013-2014
- 2015 Neha Varshney; EMBO travel
- 2015 Arti Dumbrepatil; Young Scientist, International Travel Grant from ICMR, Government of India for attending "EMBO workshop: Dynamic kinetochore" at Copenhagen, Denmark
- 2016 Rima Singha; JSMC (Jena School of Microbial Communication) travel grant for attending FEBS advanced Practical Course "State of the art Infection model to study molecular mechanisms of human fungal infections" at Jena, Germany
- 2016 Lakshmi Sreekumar; CICS travel Grant to attend "Arturo Falaschi Conference Series At the intersection of DNA Replication and Genome Maintenance-Maintenance and Therapy" at Trieste, Italy
- 2018 Jitendra Thakur; INSA Young Scientist Award
- 2018 Neha Varshney; PLOS Genetics Best Poster Award in Chromosome Stability 2018 in Bangalore
- 2018 Krishnendu Guin; PLOS Genetics Best Poster Award in Chromosome Stability 2018 in Bangalore
- 2018 Lakshmi Sreekumar; PLOS Genetics Best Poster Award in Chromosome Stability 2018 in Bangalore
- 2019 Shreyas Sridhar; EMBO travel award to participate a conference on the kinetochores in Portugal
- 2019 Vikas Yadav; INSA Young Scientist Award
- 2019 Vikas Yadav; NASI Young Scientist Award

Professional Responsibilities

Teaching of courses

JNCASR, Bengaluru, India

Graduate level course

Course coordinator and instructor

2006 – present JM205 Cellular and Molecular Microbiology (3:0)

Graduate level course

Course coordinator

2015 – present JM213 Bioinformatics (3:0) Graduate level course

Undergraduate level

2010 – present POBE Basic Molecular Biology

Tamasek Life Sciences Laboratory, NUS, Singapore

Graduate level course

2014 – present Guest lectures on centromeres, kinetochores and chromosome segregation

Centre for Human Genetics, Bengaluru, India

Graduate level course

2015 – present Guest lecturers on basic molecular biology and genetics

University of Extremadura, Badajoz, Spain

Undergraduate level course

2010 – 2011 Distinguished Visiting Scientist and guest lecturer on Cell Division

Editorial and review activities

Editorial board

Associate Editor, *Frontiers in Cell and Infection Microbiology*

Book proposals

Evaluated a book proposal from Wiley International

Grant proposals

Council of Scientific and Industrial Research, India

Department of Biotechnology, India

Department of Science and Technology, India

European Union (Poland, Belgium)

Indo-French (CEFIPRA)

Indian Medical Research Council

Israel-US bilateral Science Foundation

National Science Foundation, USA
Scientific and Educational Research Board, India

Scientific Journals

Cell Reports
Eukaryotic Cell
Fungal Genetics & Biology
Genome Biology & Evolution
Genome Research
Journal of Genetics
Journal of Medical Mycology
Molecular Biology & Evolution
Molecular Biology of the Cell
Molecular Microbiology
mSphere
Nature Protocols
Nucleic Acids Research
PLOS Genetics
PLOS One
PLOS Pathogens
Scientific Reports
Trends in Genetics

Ph.D. theses

BITS-Pilani Goa
Calcutta University (Bose Institute/SINP), Kolkata
Indian Institute of Science
Indian Institute of Science Education and Research, Trivandram
Indian Institute of Technology - Hyderabad
Indian Institute of Technology-Bombay, Mumbai
Indian Institute of Technology-Kharagpur, Kharagpur
Jadavpur University (Bose Institute), Kolkata
Jamia Milia Islamia, New Delhi
Jawaharlal Nehru University (JNU/IMTECH/CCMB), New Delhi,
Manipal University (CDFD)
MS University, Baroda
Postgraduate Institute of Medical Education and Research

Evaluator of Faculty promotion/faculty recruitment

Centre for DNA Fingerprinting and Diagnostics, Hyderabad
Indian Association of Cultivation of Science, Kolkata
Indian Institute of Science Education and Research, Kolkata
Indian Institute of Science Education and Research, Pune

Indian Institute of Science, Bengaluru
Institute of Mathematical Sciences, Chennai
National Centre for Biological Science (NCBS), Bengaluru

National Committees

2020- Taskforce, DBT-IISc partnership programme
2019 – CSIR Taskforce
2019 – ICMR Taskforce

Institutional Committees

Current

Faculty in-charge, Central Instrument Facility
Faculty coordinator, Integrated MS-PhD programme in Biological Sciences

Past

Chair and member, Library Committee
Member, Purchase Committee
Member, Dining Hall Committee

Conference Organizing committees

Indo-German Conference on pathogenic fungi (funded by JNCASR and DFG)
01 – 03 August 2011
JNCASR, Bangalore
Organizers: Kaustuv Sanyal & Joachim Ernst

First Conference on Chromosome Stability (funded by JNCASR and IISER-TVM)
17 – 19 December 2012
Ponmudi Hills, Thiruvananthapuram
Organizers: Kaustuv Sanyal & Nishant K.T.

Second Conference on Chromosome Stability (funded by JNCASR and IISER-TVM, EMBO, IUSTT)₁
14 – 17 December 2014
JNCASR, Bangalore
Organizers: Kaustuv Sanyal & Nishant K.T.
Featured in Bioessays (<http://onlinelibrary.wiley.com/doi/10.1002/bies.201500023/abstract>)

Third Conference on Chromosome Stability (funded by JNCASR and IISER-TVM, PLOS Genetics)
15 – 18 December 2016
Kovalam, Thiruvananthapuram
Organizers: Kaustuv Sanyal & Nishant K.T.
Featured in PLOS Blogs (<http://blogs.plos.org/biologue/2017/04/13/chromosomes-in-kerala-india-3rd-chromosome-stability-meeting-thiruvananthapuram-december-15-18-2016/>)

Fourth Conference on Chromosome Stability (funded by JNCASR and IISER-TVM)
14 – 17 December 2018
JNCASR, Bangalore
Organizers: Kaustuv Sanyal & Nishant K.T.

Fifth Conference on Chromosome Stability (funded by JNCASR and IISER-TVM)
14 – 17 December 2021
IISER- Thiruvananthapuram
Organizers: Kaustuv Sanyal & Nishant K.T.

21st Conference of International Society for Human and Animal Mycology, New Delhi, India
March 2022
New Delhi
Member, National Organizing Committee

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Last updated on 12 June 2020