

## CURRICULUM VITAE

### **Dimple Notani**

Genetics and Development  
National Centre for Biological Sciences, TIFR  
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### **Education:**

University of Poona, Pune (India) 2003-2009  
Ph.D (Biotechnology)

Tamilnadu Agriculture University, Coimbatore (India) 2001-2003  
M.Sc. (Biotechnology)

Jawaharlal Nehru Krishi Vishwa Vidyalaya, Jabalpur (India) 1996-2000  
B.Sc. (Agricultural Sciences)

### **Research Career:**

University of California, San Diego (UCSD) (USA) 2009-2015  
Post-Doctoral Research

Reader “F” (Assistant Professor) 2016-2022  
National Centre for Biological Sciences  
Tata Institute of Fundamental Research  
Bangalore, India

Associate Professor 2022-Current  
National Centre for Biological Sciences  
Tata Institute of Fundamental Research  
Bangalore, India

### **Awards/Fellowships:**

EMBO Global Investigator 2020-2024

Wellcome-IA intermediate Fellowship 2016-2020  
Alliance between Wellcome Trust, UK and  
Dept. of Biotechnology, India

Ramalingaswamy Career Development Fellowship Declined  
Dept. of Biotechnology, India

Post-Doctoral Fellowship: (Principal Investigator) 2011-2014  
Department of Defense, Congressionally Directed Medical  
Research Programs  
Breast Cancer Research Program (BCRP)(USA)

Senior Research Fellowship 2006-2008

Council of Scientific and Industrial Research  
(CSIR), Govt. of India.

Junior Research Fellowship  
Council of Scientific and Industrial Research,  
(CSIR), Govt. of India.

2003-2006

Junior Research Fellowship for M.Sc.  
Indian Council of Agricultural Research  
(ICAR), Govt. of India.

2001 (Declined)

**Teaching Experience:**

*National Centre for Biological Sciences:* Genetics and Molecular Biology, Cell Biology, Genomics courses

**Editorial Engagements:**

Advisory member of editorial board of Life Sciences Alliance (LSA), a journal jointly launched by Cold Spring Harbor, EMBO and Rockefeller Press.

Reviewing Editor: “elife”

**Reviewer for Journals and funding Agencies:**

Journals: Life Science Alliance, Scientific Reports, PLoS Biology, Genome Biology, Nucleic Acid Research, Trends in Genetics

Funding Agencies: Department of Biotechnology, India; SERB-DST, India

Indo-French Centre for the Promotion of Advanced Research (IFCPAR/CEFIPRA)

**Funded Proposals:**

Wellcome Trust-India Alliance

Dimple Notani (PI)

03/01/2016-2/28/2022

Understanding the enhancer code underlying IFN- $\gamma$  signaling

Department of Biotechnology, India

Dimple Notani (PI)

02/01/2021-01/31/2023

Visualization of enhancer:promoter dynamics in live cells

Department of Science and Technology, SERB, India

Dimple Notani (PI)

02/01/2019-01/31/2022

Identifying transcriptional circuits crucial for cardiac circadian rhythm control

Department of Biotechnology, India

Dimple Notani (Co-PI)

02/01/2019-01/31/2023

Neuronal gene regulation by intracellular calcium signaling and Histone H3K36 methylation

CCMB-Rockefeller Foundation, USA

Dimple Notani (Co-Investigator)

2021-2022  
Retrospective and Prospective SARS-CoV2 genome surveillance in India

EMBO Global Investigator  
Dimple Notani (PI)  
2020-2024

**Invited Presentations, Conferences and Workshops:**

**2023:**

- Enhancer pre-seeding under basal signaling. Horizon in Molecular Biology. Max Planck Institute, Gottingen, Germany. 12-14<sup>th</sup> September. (Upcoming)
- RNA limits the gene regulation. EMBO sectorial meeting on transcription. Copenhagen, Denmark. 7<sup>th</sup> July.
- Ligand driven enhancer condensates. EMBO young Investigator meet. Milan, Italy. 4<sup>th</sup> May
- Enhancer and RNA regulate genome organization. IISC, Bangalore, 10<sup>th</sup> Jan

**2022:**

- Enhancer and RNA regulate genome organization. IISC, Bangalore, 8<sup>th</sup> Dec
- Understanding the enhancer code in transcription. IICB, Kolkata. 30<sup>th</sup> Sep.
- Dissecting enhancer hierarchies: One locus at a time. UC Irvine, CA, 18<sup>th</sup> July.
- Dissecting enhancer hierarchies: One locus at a time. ASBMB meeting, Stowers Medical Research Institute, Kansas, MO, 21-24<sup>th</sup> July.
- Ligand dependent gene regulation and phase separated condensates on enhancers. Condensates Colloquium. 4<sup>th</sup> March.

**2021:**

- Active enhancers directly regulate the TAD insulation. 15<sup>th</sup> Asian Epigenomics Meeting, Singapore, 24-25<sup>th</sup> February.
- Ligand induced transcriptional condensates. Montreal Clinical Research Institute, Canada, 15<sup>th</sup> February.
- Signaling driven enhancer phase separation. Biomolecular Condensates Colloquium. IISER Pune, 7<sup>th</sup> March.
- Genetic variation in enhancers and human pathologies. AIIMS New Delhi, 21<sup>st</sup> April.
- Junk to Jewels: The story of dark matter of the genome. Science Setu Program. InStem Bangalore, 17<sup>th</sup> July.
- Role of transcriptional enhancers and genome organization and gene regulation. Azadi Ka Amrut Mahotsav seminar series. NII New Delhi, 16<sup>th</sup> September.
- London Cancer Week: Panel Member in economics of cancer treatment. London UK, 17<sup>th</sup> November.
- Using functional genomics to understand the epigenetic mechanisms of cancer susceptibility, 5<sup>th</sup> Lung Cancer Workshop, Tata Memorial Hospital Mumbai, 4<sup>th</sup> December.

**2020:**

- CRISPR tools for gene regulation. GKV Bangalore, 20<sup>th</sup> January.
- Enhancer pre-seeding dictates the transcriptional response and 3D architecture of signaling. Epigenetics webinar series. Queen Mary University, London UK, 4<sup>th</sup> August.
- Delivered a webinar jointly organized by CARE (a non-profit foundation) and NCBS for school girls from villages in Lucknow and Kanpur UP, 18<sup>th</sup> February.
- Delivered a talk on “Career in academia for agriculture background students” on the occasion of National Science Day at Tamil Nadu Agricultural University, Coimbatore, 28<sup>th</sup> February.

**2019:**

- Role of 8q24 enhancer mutation in prostate cancer. Indian Society of Human Genetics. Kalyani, 30<sup>th</sup> January-1<sup>st</sup> February.
- EMBO Global Investigator meeting. Heidelberg, Germany, 10-12<sup>th</sup> November.
- Ligand dependent gene regulation by ERa -transient enhancers. Mechanisms of Eukaryotic
- Transcription, CSHL, Cold Spring Harbor USA, 28-31<sup>st</sup> August.
- Ligand dependent gene regulation by ERa -transient enhancers. Regulatory epigenomics: from large data to useful models. EMBO Symposium Chennai, 10-13<sup>th</sup> March.

**2018:**

- Transcriptional enhancers and their network in gene regulation. Institute of Bioinformatics and Applied Biotechnology (IBAB) Bangalore, 18<sup>th</sup> September.
- Role of transcriptional enhancers in gene regulation. Pan-TIFR Biologists Meet, 24-26<sup>th</sup> April.
- Role of transcriptional enhancers in gene regulation, Aspects of Gene and Cellular Regulation. The Institute of Mathematical Sciences Chennai, 12-13<sup>th</sup> January.
- Super-Enhancer mediated gene regulatory networks. Transcription, DNA repair and Genome
- Surveillance. Indian Institute of Science Bangalore, 6-10<sup>th</sup> March.

**2017:**

- Transcriptional enhancer networks in gene regulation. 3rd Biennial InDRC 2017 Meeting. IISER Bhopal, 6-9<sup>th</sup> December.
- Role of transcriptional enhancers in gene regulation. 7th Symposium of the DNA Society of India.
- Importance of DNA fingerprinting, cataloguing and utilization of the bioresources of North-East India. IASST Guwahati, 17-18<sup>th</sup> November.
- Role of transcriptional enhancers in gene regulation: Indo-French Epigenetics meeting, TIFR Mumbai, 14-17<sup>th</sup> February.

**2016:**

- Role of enhancer networks in transcription: 11th Asian Epigenomics Meeting, JNCASR Bangalore, 29<sup>th</sup> Nov-1<sup>st</sup> October
- Chaired a session “Genetic Architecture of Adaptations” in International symposium on Genetics of Adaptations. NCBS Bangalore, 28<sup>th</sup> Nov -1<sup>st</sup> December.

**Student mentoring:**

**Post-Doctoral Scholars:** Ananya Sadhu (2016-2017)

**Graduate Students:** (Kaivalya Walavalkar (2016-2021), Currently pursuing post-doctoral research at University of Zurich, Switzerland (*Awarded EMBO Post-doctoral Fellowship*), Deepanshu Soota (2016-writing thesis), Bharath Saravanan (2017-2023), Umer Farooq (2016-2023), Zubairul Islam (2018-Present), Rajat Mann (2018-Present), Sweetie Meel (2018-Present), Sudha Swaminathan (2020-Present), Arif Nazir (2021-Present), Nidharsahn R (2021-Present)

**MSc Project Dissertation (6 Months):** (Abhinav Banerjee, 2020), (Nidharshan R, 2020), Vaishali Muralidharan (2019), Mousumi Mitra (2016), Ayush Semwal (2017)

I have a strong commitment to mentoring the students. Since the past 4 years, my lab has been receiving the best poster award at the NCBS Annual talks. Additionally, my students have been invited to deliver

talks at the national and international levels. At the 15<sup>th</sup> Asian Epigenomics Meeting, held in Singapore (24-25<sup>th</sup> February, 2021), Kaivalya received the “Outstanding research award”.

### **Institutional Activities:**

<i>2016-2021</i>	Faculty Advisory Committee, Next Generation Sequencing facility, Bangalore Life Science Cluster (BLiSC), Bangalore
<i>2021-present</i>	Chair: Faculty Advisory Committee, Next Generation Sequencing facility, Bangalore Life Science Cluster (BLiSC), Bangalore
<i>2019-Present</i>	Member, Institutional Administrative Committee, National Centre for Biological Sciences, TIFR
<i>2021-Present</i>	Member, Campus Housing Committee, National Centre for Biological Sciences, TIFR
<i>2019-Present</i>	Internal screening committee member, Institutional Stem Cell Ethics Committee, National Centre for Biological Sciences, TIFR
<i>2019-Present</i>	External screening committee member, Institutional Stem Cell Ethics Committee, Institute for Stem Cell Science and Regenerative Medicine, Bangalore,
<i>2021- Present</i>	Member, Campus Safety Committee, National Centre for Biological Sciences, TIFR
<i>2016-Present</i>	Chair: Hostel Warden, National Centre for Biological Sciences, TIFR
<i>2016-Present</i>	Member, Promotion committee for several staff members, National Centre for Biological Sciences, TIFR
<i>2021-Present:</i>	Member, Facility In-charge Committee, Bangalore Life Science Cluster (BLiSC), Bangalore
<i>2021-Present:</i>	Member, Facility Coordination Committee, Bangalore Life Science Cluster (BLiSC), Bangalore

### **Publications 2016 onwards (Independent PI Role)**(\* denotes corresponding author):

1. Mann R, **Notani D\***. Transcription factor condensates and signaling driven transcription. **Nucleus**. 2023 Dec;14(1):2205758. doi: 10.1080/19491034.2023.2205758.
2. Soota D, Saravanan B, Mann R, Kharbanda T, **Notani D\***. RNA binding limits the ligand induced transcriptional potential of estrogen receptor-alpha (ER $\alpha$ ). bioRxiv 2023.08.10.552751
3. Majumdar S, Bammidi LS, Naik HC, Baro AR, Kalita A, Sundarraj N, Bariha GS, **Notani D**, Gayen S\*. Deletion of Xist upstream sequences alters TAD interactions and leads to defects in Xist coating and expression. bioRxiv 2023.08.14.553118
4. Kumar V, Kathirvel K, Vadnala RN, Mishra S, Shelar B, Marate S, CP L, K SD, Bhardwaj M, Pandit A, Mayor S. Ramakrishnan U. **Notani D\***. Genomic surveillance reveals circulation of multiple variants and lineages of SARS-CoV-2 during COVID-19 pandemic in Indian city of Bengaluru. bioRxiv. 2023:2023-03.
5. Singh AK, Walavalkar K, Tavernari D, Ciriello G, **Notani D**, Sabarinathan R\*. Cis-regulatory effect of HPV integration is constrained by host chromatin architecture in cervical cancers. bioRxiv. 2022:2022-11.
6. Venkatesan V et al., Editing the core region in HPFH deletions alters fetal and adult globin expression for treatment of  $\beta$ -hemoglobinopathies. **Mol Ther Nucleic Acids**. 2023. 26;32:671-688. doi: 10.1016/j.omtn.2023.04.024.

7. Islam Z, Saravanan B, Walavalkar K, Farooq U, Singh AK, Radhakrishnan S, Thakur J, Pandit A, Henikoff S, **Notani D\***. Active enhancers strengthen insulation by RNA-mediated CTCF binding at chromatin domain boundaries. **Genome Research**. 2023 Jan;33(1):1-17. doi: 10.1101/gr.276643.122.
8. Farooq U, **Notani D\***. Transcriptional regulation of INK4/ARF locus by cis and trans mechanisms. **Front Cell Dev Biol**. 2022 Sep 9;10:948351. doi: 10.3389/fcell.2022.948351.
9. **Notani D\***. First glimpse of enhancers in gene regulation. **Nat Rev Genet**. 2022 Apr 27. DOI: 10.1038/s41576-022-00492-7.
10. Farooq U, **Notani D\***. Optimized protocol to create deletion in adherent cell lines using CRISPR/Cas9 system. **STAR Protocols**. 2021;2(4):100857. DOI: [10.1016/j.xpro.2021.100857](https://doi.org/10.1016/j.xpro.2021.100857)
11. Blobel GA\*, Higgs DR\*, Mitchell JA\*, **Notani D\***, Young RA\*. Testing the super-enhancer concept. **Nat Rev Genet**. 2021;22(12):749-755. DOI: [10.1038/s41576-021-00398-w](https://doi.org/10.1038/s41576-021-00398-w)
12. Farooq U, Saravanan B, Islam Z, Walavalkar K, Singh AK, Jayani RS, Meel S, Swaminathan S, **Notani D\***. An inter-dependent network of functional enhancers regulates transcription and EZH2 loading at INK4a/ARF locus. **Cell Reports**. 2021. 34(12):108898  
DOI: [10.1016/j.celrep.2021.108898](https://doi.org/10.1016/j.celrep.2021.108898)
13. Mitra R, Richhariya S, Jayakumar S, Notani D, Hasan G\*. IP3/Ca<sup>2+</sup> signals regulate larval to pupal transition under nutrient stress through the H3K36 methyltransferase dSET2. **Development**. 2021 148 (11). DOI: [10.1242/dev.199018](https://doi.org/10.1242/dev.199018)
14. Walavalkar K, Saravanan B, Singh AK, Jayani RS, Nair A, Farooq U, Islam Z, Soota D, Mann R, Shivaprasad PV, Freedman ML, Sabarinathan R, Haiman CA, **Notani D\***. A rare variant of African ancestry activates 8q24 lncRNA hub by modulating cancer associated enhancer. **Nature Communications**. 2020.11(1):3598. DOI: [10.1038/s41467-020-17325-y](https://doi.org/10.1038/s41467-020-17325-y)
15. Walavalkar K, **Notani D\***. Beyond the coding genome: Non-coding mutations and cancer. **Frontiers in Bioscience, Landmark**. 2020. 25:1825-1835. DOI: [10.2741/4879](https://doi.org/10.2741/4879)
16. Saravanan B, Soota D, Islam Z, Majumdar S, Mann R, Meel S, Farooq U, Walavalkar K, Gayen S, Singh AK, Hannenhalli S, **Notani D\***. Ligand dependent gene regulation by transient ER $\alpha$  clustered enhancers. **PLoS Genetics**. 2020 Jan 6;16(1):e1008516.  
DOI: [10.1371/journal.pgen.1008516](https://doi.org/10.1371/journal.pgen.1008516)
17. Rodrigues C, Pattabiraman C, Vijaykumar A, Arora R, Narayana SM, Kumar RV, **Notani D**, Varga-Weisz P, Krishna S\*. A SUV39H1-low chromatin state characterises and promotes migratory properties of cervical cancer cells. **Exp Cell Res**. 2019.15;378(2):206-216.  
DOI: [10.1016/j.yexcr.2019.02.010](https://doi.org/10.1016/j.yexcr.2019.02.010)
18. Jayani RS, Singh A, **Notani D\***. Isolation of Nuclear RNA-Associated Protein Complexes. **Methods Mol Biol**. 2017;1543:187-193. DOI: [10.1007/978-1-4939-6716-2\\_9](https://doi.org/10.1007/978-1-4939-6716-2_9)
19. Li W, **Notani D**, Rosenfeld MG. Enhancers as non-coding RNA transcription units: recent insights and future perspectives. **Nat Rev Genet**. 2016. (4):207-23. DOI: [10.1038/nrg.2016.4](https://doi.org/10.1038/nrg.2016.4)

### **Previous Publications:**

20. Han Y, Rand KA, Hazelett DJ, Ingles SA et al. Prostate Cancer Susceptibility in Men of African Ancestry at 8q24. **J Natl Cancer Inst.** 2016 Jan 27;108(7). DOI: [10.1093/jnci/djv431](https://doi.org/10.1093/jnci/djv431)
21. Telese F, Ma Q, Perez PM, **Notani D**, Oh S, Li W, Comoletti D, Ohgi KA, Taylor H, Rosenfeld MG. LRP8-Reelin-Regulated Neuronal Enhancer Signature Underlying Learning and Memory Formation. **Neuron.** 2015 May 6;86(3):696-710. DOI: [10.1016/j.neuron.2015.03.033](https://doi.org/10.1016/j.neuron.2015.03.033)
22. Li W, Lam MT, **Notani D**. Enhancer RNAs. **Cell Cycle.** 2014;13(20):3151-2. DOI: [10.4161/15384101.2014.962860](https://doi.org/10.4161/15384101.2014.962860)
23. Skowronska-Krawczyk D, Ma Q, Schwartz M, Scully K, Li W, Liu Z, Taylor H, Tollkuhn J, Ohgi KA, **Notani D**, Kohwi Y, Kohwi-Shigematsu T and Rosenfeld MG. Required enhancer-matrin-3 network interactions for a homeodomain transcription program. **Nature.** 2014. 514(7521):257-61. DOI: [10.1038/nature13573](https://doi.org/10.1038/nature13573)
24. Li W<sup>#</sup>, **Notani D**<sup>#</sup>, Ma Q, Tanasa B, Nunez E, Chen AY, Merkurjev D, Zhang J, Ohgi K, Song X, Oh S, Kim H-S, Glass CK, and Rosenfeld MG\*. Functional roles of enhancer RNAs for oestrogen-dependent transcriptional activation. **Nature.** 2013. 498(7455):516-20. DOI: [10.1038/nature12210](https://doi.org/10.1038/nature12210) (# these authors contributed equally to this work)
- **Comment In:** Redmond AM, Carroll JS. Enhancer-derived RNAs: 'spicing up' transcription programs. **EMBO J.** 2013. 32(15):2096-8. DOI: [10.1038/emboj.2013.151](https://doi.org/10.1038/emboj.2013.151)
- **Research Highlight:** Carlos A Melo, Nicolas Léveillé, and Reuven Agami. eRNAs reach the heart of transcription. **Cell Research.** 2013. DOI: [10.1038/cr.2013.97](https://doi.org/10.1038/cr.2013.97)

### **Recommended by Faculty of 1000 Biology.**

25. Dunkel Y, Ong A, **Notani D**, Mittal Y, Lam M, Mi X, Ghosh P. STAT3 protein up-regulates Gα-interacting vesicle-associated protein (GIV)/Girdin expression, and GIV enhances STAT3 activation in a positive feedback loop during wound healing and tumor invasion/metastasis. **J Biol Chem.** 2012. 287(50):41667-83. DOI: [10.1074/jbc.M112.390781](https://doi.org/10.1074/jbc.M112.390781)
26. **Notani D**, Ramanujam PL, Kumar PP, Gottimukkala KP, Kumar-Sinha C, Galande S. N-terminal PDZ-like domain of chromatin organizer SATB1 contributes towards its function as transcription regulator. **J Biosci.** 2011. 36(3):461-9. DOI: [10.1007/s12038-011-9091-4](https://doi.org/10.1007/s12038-011-9091-4)
27. Harismendy O<sup>#</sup>, **Notani D**<sup>#</sup>, Song X, Rahim NG, Tanasa B, Heintzman N, Ren B, Fu XD, Topol EJ, Rosenfeld MG, Frazer KA. 9p21 DNA variants associated with coronary artery disease impair interferon-γ signaling response. **Nature.** 2011. 470(7333):264-8. DOI: [10.1038/nature09753](https://doi.org/10.1038/nature09753) (# These authors contributed equally to this work)

### **Recommended by Faculty of 1000 Biology.**

28. Lakshminarayana Reddy CN, Vyjayanti VN, **Notani D**, Galande S and Kotamraju S. Down-regulation of the global regulator SATB1 by statins in COLO205 colon cancer cells. **Molecular Medicine Reports.** 2010. 3(5)857-861. DOI: [10.3892/mmr.2010.338](https://doi.org/10.3892/mmr.2010.338)

29. Vempati RK, Jayani RS, **Notani D**, Sengupta A, Galande S, Halder D. p300 mediated acetylation of histone H3 lysine 56 functions in DNA damage response in mammals. **J Biol Chem**. 2010. 285(37):28553-64. DOI: [10.1074/jbc.M110.149393](https://doi.org/10.1074/jbc.M110.149393)
30. **Notani D**, Limaye AS, Kumar PP, Galande S. Phosphorylation-Dependent regulation of SATB1, the higher-order chromatin organizer and global gene regulator. **Methods Mol Biol**. 2010. 647:317-35. DOI: [10.1007/978-1-60761-738-9\\_20](https://doi.org/10.1007/978-1-60761-738-9_20)
31. Ahlfors H, Limaye A, Elo LL, Tuomela S, Burute M, Gottimukkala K, **Notani D**, Rasool O, Galande S, Lahesmaa R. SATB1 dictates expression of multiple genes including IL-5 involved in human T helper cell differentiation. **Blood**. 2010.116(9):1443-53. DOI: [10.1182/blood-2009-11-252205](https://doi.org/10.1182/blood-2009-11-252205)
32. **Notani D**, Gottimukkala KP, Jayani RS, Limaye A, Damle MV, Mehta S, Purbey PK, Joseph J and Galande S. Global regulator SATB1 recruits  $\beta$ -catenin and mediates Wnt/ $\beta$ -catenin response. **PLoS Biol**. 2010. 8(1):e1000296. DOI: [10.1371/journal.pbio.1000296](https://doi.org/10.1371/journal.pbio.1000296)
- **Synopsis:** Sedwick, C. SATB1 makes a splash in T cell Wnt signaling. **PLoS Biol**. 2010. e1000295. doi:10.1371/journal.pbio.1000295. DOI: [10.1371/journal.pbio.1000295](https://doi.org/10.1371/journal.pbio.1000295)
33. Purbey PK, Singh S, **Notani D**, Kumar PP, Limaye AS, Galande S. Acetylation-dependent interaction of SATB1 and CtBP1 mediates transcriptional repression by SATB1. **Mol. Cell. Biol**. 2009. 29:1321-37. DOI: [10.1128/MCB.00822-08](https://doi.org/10.1128/MCB.00822-08)
34. Galande S, Purbey PK, **Notani D**, and Kumar PP. The third dimension of gene regulation: Organization of dynamic chromatin loopscape by SATB1. **Curr. Opin. Genet. Dev**. 2007. 17: 408-417. DOI: [10.1016/j.gde.2007.08.003](https://doi.org/10.1016/j.gde.2007.08.003)
35. Kumar PP, Mehta S, Purbey PK, **Notani D**, Jayani RS, Purohit HJ, Raje DV, Ravi DS, Bhonde RR, Mitra D, and Galande S. SATB1-Binding Sequences and Alu-Like Motifs Define a Unique Chromatin Context in the Vicinity of Human Immunodeficiency Virus Type 1 Integration Sites. **J Virol**. 2007. 81:5617-5627. DOI: [10.1128/JVI.01405-06](https://doi.org/10.1128/JVI.01405-06)
36. Kumar PP, Bischof O, Purbey PK, **Notani D**, Urlaub U, Dejean A, and Galande S. Functional interaction between PML and SATB1 regulated chromatin loop architecture and transcription of the MHC class I locus. **Nat. Cell Biol**. 2007. 9: 45-56. DOI: [10.1038/ncb1516](https://doi.org/10.1038/ncb1516)
37. Kumar PP, Purbey PK, Sinha CK, **Notani D**, Limaye A, Jayani RS, and Galande S. Phosphorylation of SATB1, a global gene regulator, acts as a molecular switch regulating its transcriptional activity *in vivo*. **Mol Cell**. 2006. 22:231-243. DOI: [10.1016/j.molcel.2006.03.010](https://doi.org/10.1016/j.molcel.2006.03.010)

#### **Book Chapter:**

38. Purbey PK, Limaye A, **Notani D**, and Galande S. Regulation of higher order chromatin organization and function by SATB1. 2009, p 61-92; in '**Chromosome to Genome**', published by the International Publishing House, New Delhi.