



# Har Gobind Khorana

Memorial Symposium on

## & Genes, Genomes & Membrane Biology

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### FINAL POSTERS LIST

S.No.	Abstract Id	Name	Organization	Abstract Title	Registration Id
1	HGKCODON/17/0001	Ajay Arya	JNU, New Delhi	DynaSeq: Predicting Conformational Ensembles and Genome-wide Transcription Factor Binding sites from DNA Sequences	Reg/0233
2	HGKCODON/17/0002	Shruti Gupta	JNU, New Delhi	Profile based Mining of Large-Scale Gene Expression Data Sets using Randomized Sets versus Pre-defined Gene Landmark Genes	Reg/0231
3	HGKCODON/17/0003	Umesh Varshney		Mitochondria-like Sustenance of E. coli on a Single tRNAMet	Registration Pending
4	HGKCODON/17/0004	Raghavendra NR	PAU, Ludhiana	Marker Assisted Pyramiding of Grain Yield Drought QTLs (qDTY1.1 and qDTY3.1) into Popular Rice Cultivar PR121	Reg/0268
5	HGKCODON/17/0005	Amit Ghosh	IIT Kharagpur	Genome Scale Metabolic Network Reconstruction of <i>Spirochaeta cellobiosiphila</i>	Reg/0171
6	HGKCODON/17/0006	Pankaj Mehta	HPU, Shimla	In vivo Studies Assessing the Impact of Cigarette Smoke Exposure via Inhalation on Murine Lung Damage	Reg/0265
7	HGKCODON/17/0007	Raman Preet Kaur	CUPB, Bathinda	Analysis of Pro- and Anti-Inflammatory Cytokine Gene Variants and Serum Cytokine Levels as Prognostic Markers in Breast Cancer	Reg/0015
8	HGKCODON/17/0009	Kanika Vasudeva	CUPB, Bathinda	Genetic variation and therapeutic response to aspirin in ischemic stroke patients	Reg/0111
9	HGKCODON/17/0010	Heena Singla	CUPB, Bathinda	Gene-Based Association Studies for HER2 Positive Breast Cancer in Malwa Region of Punjab	Reg/0019
10	HGKCODON/17/0011	Tripta Jhang	CSIR-CIMAP, Lucknow	Allele Specific Expression Regulatory Divergence between Nagaouri and Kashmiri Ecotypes of Ashvagandha ( <i>Withania somnifera</i> ) and their Hybrids	Reg/0215
11	HGKCODON/17/0012	Manisha Kalsan	JNU, New Delhi	Investigating Conformational Dynamics of Binding Sites of Transcription Factors to Study their Classification	Reg/0228
12	HGKCODON/17/0013	Kirti Gupta	CSIR- CDRI, Lucknow	Plasmodium Falciparum GTPases, EngA and Obg, are Involved in Mitochondrion Biogenesis and Organellar DNA Interaction	Reg/0016

13	HGKCODON/17/0014	Vajinder Kumar	NRCPB, New Delhi	Brassica Cenospecies Show Wide Diversity for the Mitochondrial orf108 Gene Causing Male Sterility and have Evolved Different Ways to Process the Transcript to Achieve Male Fertility	Reg/0178
14	HGKCODON/17/0015	Richa Mehra	CUPB,Bathinda	Killer Alga: A Blessing In Disguise!	Reg/0014
15	HGKCODON/17/0016	Sourav Kalra	CUPB,Bathinda	Association of CYP2C19*2 and ALDH*1/*2 Variant with Disease Outcome in Breast Cancer Patients: Results of Next Generation Sequencing Data	Reg/0084
16	HGKCODON/17/0017	Ankush	INST, Mohali	Aggregation Characteristics of R273 Mutation Hot Spot of p53 Protein in Cancer	Reg/0020
17	HGKCODON/17/0019	Navdeep Kaur	GNDU,Amritsar	Prospects of Rice salt Gene in the Era of Global Climate Change	Reg/0023
18	HGKCODON/17/0020	Harsimran Kaur	INST, Mohali	Bio-Inspired Diverse Self-Assembled Peptide Hydrogels for Controlling Stem Cell Differentiation	Reg/0060
19	HGKCODON/17/0021	Jayeeta Bhaumik	CIAB, Mohali	Lignocellulosic Biomass Derived Nanolignin Complexes for Applications in Nanobiotechnology	Reg/0094
20	HGKCODON/17/0022	Pooja Sharma	INST, Mohali	Tuning the Self Assembling Characteristics of Histidine Based Amphiphiles in the Presence of Metal Salts	Reg/0071
21	HGKCODON/17/0023	Nishtha Sharma	NABI, Mohali	An Insight into Adipogenesis: Use of Designed b-ZIP Transcription Factor Inhibitors to Study Preadipocyte Differentiation by Direct Delivery of the Protein into 3T3-L1 Cells	Reg/0025
22	HGKCODON/17/0024	Rashmi Jain	INST, Mohali	Development of Bioinspired Hydrogels for Tissue Regeneration	Reg/0037
23	HGKCODON/17/0025	Mandeep Kaur	NABI, Mohali	Molecular Characterization and Expression Analysis of Two Wheat Inositol Hexakisphosphate Kinases	Reg/0031
24	HGKCODON/17/0026	Himani Shukla	PU, Chandigarh	Structural Characterization and Expression Analysis of MADS-Box Gene Family in <i>Phalaenopsis equestris</i> (Orchidaceae)	Reg/0032
25	HGKCODON/17/0027	Himanshu Sharma	PU, Chandigarh	Assorted analysis of Cation-Proton Antiporter (CPA) Protein Family in <i>Triticum aestivum</i> (Bread Wheat)	Reg/0069
26	HGKCODON/17/0028	Shivi Tyagi	PU, Chandigarh	Expression Profiling and Interactome Analysis of Glutathione Peroxidases (GPXs) Family in <i>Triticum aestivum</i> L.	Reg/0036
27	HGKCODON/17/0029	Alok Sharma	PU, Chandigarh	Regulation of Biological Processes by Long Non-Coding RNAs (lncRNAs) in Plants	Reg/0033
28	HGKCODON/17/0030	Mehak Taneja	PU, Chandigarh	Identification, Characterization and Expression Analysis of Plant-Type II Ca <sup>2+</sup> -ATPases in Bread Wheat ( <i>Triticum aestivum</i> L.)	Reg/0040
29	HGKCODON/17/0031	Shumayla	PU, Chandigarh	Lectin Receptor Kinases Mediates Plant Innate Immune Response in <i>Triticum aestivum</i>	Reg/0035
30	HGKCODON/17/0032	Anil Kumar	NABI, Mohali	Genome Wide Identification and Expression Characterization of Yellow Stripe like (YSL) Genes in Hexaploid Wheat	Reg/0044
31	HGKCODON/17/0033	Shweta Guleria	CSIR-IHBT, Palampur	Heterologous Expression of Plant Superoxide Dismutase and Its Impact on Physiology of <i>Escherichia coli</i>	Reg/0056
32	HGKCODON/17/0034	Gopal Singh	CSIR-IHBT	Next Generation Genomics for Dissection of Steviol Glycosides Synthesis to Expedite Genetic Improvement of Stevia ( <i>Stevia rebaudiana</i> Bert.)	Reg/0116
33	HGKCODON/17/0035	Bhupendra Koul	LPU, Phagwara	In Silico Designing and Synthesis of Modified Full-Length Bt-Cry1ac Gene for Enhanced Expression and Toxicity to the Target Insect Pests	Reg/0039
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35	HGKCODON/17/0038	Navneet Kaur	NABI, Mohali	Establishment and Application of Genome Editing towards Banana Biofortification	Reg/0045
36	HGKCODON/17/0039	Rahul Singh Jasrotia	IASRI, New Delhi	Vigsatdb: A Putative Microsatellite Resource of Vigna sp.	Reg/0066
37	HGKCODON/17/0040	Pankaj Kumar	NABI, Mohali	Genomic Survey and Transcriptomic Analysis for Identification of Candidate bZIP Transcription Factor for Starch-Amylose Biosynthesis in Wheat ( <i>Triticum aestivum</i> )	Reg/0049
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39	HGKCODON/17/0042	Pranati Kundu	CIAB, Mohali	Modified Method for Enriched Lignin Isolation from Rice Straw Biomass for Synthesis of Hydrocarbon Fuel Precursors	Reg/0235
40	HGKCODON/17/0043	Akshay Nag	NABI, Mohali	Genome Wide Association Study (GWAS) For Blast Resistance in Landraces of Rice	Reg/0125
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44	HGKCODON/17/0047	Rajdeep Jaswal	NABI, Mohali	Genome-Wide Analysis of MI/Md2 Gene Family Indicates its Horizontal Gene Transfer in Plant Pathogenic Fungi	Reg/0138
45	HGKCODON/17/0048	Hitesh Kumar	RGM Government College	Comparative Organ-Specific Transcriptomics of <i>Stevia rebaudiana</i> (Bertoni) Bertoni, a Source of Natural Non-Calorific Sweetener	Reg/0077
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49	HGKCODON/17/0052	Anjali Purohit	CIAB Mohali	Molecular Characterization of a Xylanase Producing <i>Acinetobacter pittii</i> MASK25 for Xylooligosaccharides Production from Agrobiomass	Reg/0269
50	HGKCODON/17/0053	Swapnil S. Thakare	ICAR-IARI, New Delhi	Delivery of CRISPR/Cas gRNAs in <i>Nicotiana benthamiana</i> by Agroinfiltration Method	Reg/0075
51	HGKCODON/17/0054	Romit Seth	CSIR-IHBT, Palampur	Genome-Wide Approach for Molecular Dissection and Identification of Functionally Relevant Variations Involved in Self-Incompatibility in Tea ( <i>Camellia sinensis</i> (L.) O. Kuntze)	Reg/0068
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55	HGKCODON/17/0059	Sonum Sharma	Shoolini University, Solan	<i>S. cerevisiae</i> EMC4 and TAN1 Plays a Crucial Role in eIF2B Mediated Translation Regulation and Survival under Stress Conditions	Reg/0168

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57	HGKCODON/17/0062	Ritu Kapoor	NABI, Mohali	Identification, Classification and Expression Analysis of Lipid Transfer Proteins in Rice in Response to Magnaporthe Invasion	Reg/0083
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62	HGKCODON/17/0068	Raminder Kaur	NABI, Mohali	Prediction and Identification of dimerization potential of hexaploid wheat B-ZIP transcription factors	Reg/0122
63	HGKCODON/17/0069	Minakshi Garg	UIET, Chandigarh	Applications of Next Generation Sequencing Data Analysis in Disease Diagnostics	Reg/0100
64	HGKCODON/17/0070	Babita Kaundal	INST, Mohali	EPZ011989 Enriched HSA Nanoformulation Triggering Cell Cycle Arrest by Targeting Epigenetic Methyltransferase EZH2 in Acute Myeloid Leukaemia	Reg/0087
65	HGKCODON/17/0071	Mohammed Nadim Sardoiwala	INST, Mohali	Neuroprotective Effect of Metformin Nanoformulation in Parkinson's Disease Model	Reg/0088
66	HGKCODON/17/0072	Dhananjay Pandey	GBU, Greater Noida	Transcriptional Co-Ordination of Profilin and Other Cell-Wall Related Genes are Critical for Cotton Fiber Development	Reg/0121
67	HGKCODON/17/0073	Muntazir Mushtaq	SKUAST, Jammu	CRISPR-Cpf1: A New Tool for Plant Genome Editing	Reg/0103
68	HGKCODON/17/0075	Komal		Algal Derived Biofuel: Taking Technology from Laboratory to Commercial Scale	Registration Pending
69	HGKCODON/17/0076	Pratibha	PAU, Ludhiana	Cloning and Comparative Analysis of Heat Shock Protein Gene, HSP101 in Aegilops speltoides (Tausch) Gren.	Reg/0167
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73	HGKCODON/17/0080	Gautam Chhabra	PAU, Ludhiana	In PLANTA Transformation of Rough Lemon (Citrus jambhiri Lush.) Rootstock with Antifungal Gene for Resistance against Phytophthora	Reg/0099
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75	HGKCODON/17/0082	Ashok Jagtap	PAU, Ludhiana	Identification and Characterization of High Temperature Stress Responsive Genes in Maize (Zea mays L.)	Reg/0162
76	HGKCODON/17/0083	Suruchi Jindal	PAU, Ludhiana	Genetic and physical mapping of genes and simple sequence repeat markers identified from chromosome	Reg/0166
77	HGKCODON/17/0084	Gurwinder Kaur	PAU, Ludhiana	Identification of Root Knot Nematode (Meloidogyne graminicola) resistance from Oryza glaberrima	Reg/0165

78	HGKCODON/17/0085	Pradeep Singh	CSIR-IHBT	Next Generation Genetic Diversity Characterization and Functionally Relevant Marker Resource Creation to Expedite Conservation Efforts in Pharmaceutically Important <i>Picrorhiza kurrooa</i>	Reg/0090
79	HGKCODON/17/0086	Sukesh Chander sharma	PU, Chandigarh	Studying Role of Phosphatidyl ethanolamine in H+ ATPase activity and Acetic Acid Tolerance in <i>Saccharomyces cerevisiae</i>	Reg/0117
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81	HGKCODON/17/0088	Aashish Sharma	PU, Chandigarh	Characterization of Rv0428c of <i>Mycobacterium tuberculosis</i> and Deciphering its Role in Intracellular Survival	Reg/0092
82	HGKCODON/17/0089	Sunil Kumar Gupta	Biotech Park, Lucknow	Comparative Phylogeny and Structure-Based Virtual Screening for the Identification of Novel Inhibitors against the Mosquito-Borne <i>Flavivirus Envelope Glycoprotein</i>	Reg/0272
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84	HGKCODON/17/0091	Ashanpreet Singh	PAU, Ludhiana	Identification of Quantitative Trait Loci for Resistance to Shoot Fly in Maize	Reg/0134
85	HGKCODON/17/0092	Mitaly Bansal	PAU, Ludhiana	A Robust KASP Marker for Selection of Four Pairs of Linked Leaf Rust and Stripe Rust Resistance Genes introgressed on Wheat Chromosome 5DS from <i>U. M</i> and <i>C</i> Genomes	Reg/0232
86	HGKCODON/17/0093	Ranjeet Ranjan Kumar		Unravelling the Chaperones and Microsatellite Markers Associated with Terminal Heat-Stress-Tolerance in Wheat	Registration Pending
87	HGKCODON/17/0094	Pavneet Kaur	PAU, Ludhiana	Tagging of Bacterial Blight Resistance Gene using Bulk Segregant Analysis in Rice	Reg/0169
88	HGKCODON/17/0095	Khushboo Singh	ICAR-IARI, New Delhi	Cloning and Characterization of Heat Stable of Heat Stable Rubisco Activase in Wheat ( <i>Triticum aestivum</i> L.) Under Heat Stress	Reg/0181
89	HGKCODON/17/0096	Manpreet Singh	PAU, Ludhiana	Characterization of Male Sterile Muskmelon Genotype, MS-1 Using SSR Markers	Reg/0195
90	HGKCODON/17/0097	Jaideep Kaur	PAU, Ludhiana	Molecular Mapping of Fusarium Wilt Resistance in Muskmelon ( <i>Cucumis melo</i> . L)	Reg/0184
91	HGKCODON/17/0098	Stanzin Angmo	NABI, Mohali	En Route to a Novel Therapeutic Target against Anemia of Inflammation: Encapsulated GDP Targets NF- $\kappa$ B Pathway Affecting Molecular JAK/STAT- Hcpidin Axis for Normal Iron Homeostasis	Reg/0204
92	HGKCODON/17/0099	Nitin Garg	IARI, New Delhi	Identification of Optimum Dose of Paclobutrazol for Amelioration of Water Deficit Stress Induced Physio-Biochemical Changes in Rice	Reg/0160
93	HGKCODON/17/0100	Kumari Neelam	PAU, Ludhiana	Allele Mining at Betaine Aldehyde Dehydrogenase Locus (BADH2) in the Aromatic Rice Germplasm	Reg/0158
94	HGKCODON/17/0101	Nitish Kumar Verma	CSIR-IMTECH, Chandigarh	Fungicidal Effect of Sophorolipid against <i>Candida albicans</i> is Manifested by activating Multiple Stress Responsive Pathways	Reg/0101
95	HGKCODON/17/0102	Satinder Kaur	PAU, Ludhiana	In silico Resistance Gene Enrichment from Genome Sequences of <i>Vigna mungo</i> and <i>Vigna radiate</i>	Reg/0170
96	HGKCODON/17/0103	Bhupinder Singh	IISER, Mohali	Role of DgoR in Regulation of D-galactonate Metabolism in <i>Escherichia coli</i>	Reg/0163

97	HGKCODON/17/0104	Amandeep Mittal		Reference Transcriptome of Guava ( <i>Psidium Guajava</i> ) cv. Allahabad Safeda	Registration Pending
98	HGKCODON/17/0105	Maninder Kaur	PAU, Ludhiana	Understanding Contribution of Grain Length towards Grain Weight in Wild Progenitor of Wheat	Reg/0193
99	HGKCODON/17/0106	Lokesh Kumar Narnoliya	CIAB, Mohali	De novo Characterization of Rose-scented Geranium ( <i>Pelargonium sp.</i> ) Leaf Transcriptome for Mapping of Structural, Functional and Regulatory Gene of Terpene and Tartaric Acid Biosynthesis Pathway	Reg/0108
100	HGKCODON/17/0108	Rohtas Singh	PAU, Ludhiana	Mapping of Leaf Rust and Stripe Rust Resistance Genes in <i>Triticum dicoccoides</i> and <i>Triticum araraticum</i> Populations	Reg/0172
101	HGKCODON/17/0109	Prathap V	IARI, New Delhi	Effect of Drought Stress on Starch Accumulation during Grain Filling Stage in Rice ( <i>Oryza sativa</i> )	Reg/0161
102	HGKCODON/17/0110	Satya Narayan Patel	CIAB, Mohali	Protein Engineering and Immobilization Strategies to Improve Stability and Reusability of D-psicose 3-epimerase, and D- allulose Production from Fruit Processing Residues	Reg/0128
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104	HGKCODON/17/0112	Aman Kumar	NABI, Mohali	Rapid Development and Characterization of Chromosome Specific Translocation Line of <i>Thinopyrum elongatum</i> with Improved Dough Strength	Reg/0153
105	HGKCODON/17/0113	Saloni Sharma	NABI, Mohali	Nutraceutical Colored Wheat	Reg/0155
106	HGKCODON/17/0114	Venkatesh Chunduri	NABI, Mohali	Soaring Temperatures and Dynamics of Heat Stress Response in Wheat	Reg/0156
107	HGKCODON/17/0115	Jyoti Singh		Pi54of Mediated Balanced Blast Resistance and Yield in Transgenic Rice	Registration Pending
108	HGKCODON/17/0116	Aadil Wani		Polymorphism in IL-10 Gene may Modulate IL-10 Levels and Represent Risk Factor for Psoriasis in North Indian Population	Registration Pending