

# **Cytogenetics**

## **Technologies, Companies & Markets**

**By**

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**September 2017**

**A Jain PharmaBiotech Report**

## **A U T H O R ' S   B I O G R A P H Y**

Professor K. K. Jain is a neurologist/neurosurgeon by training and has been working in the biotechnology/biopharmaceuticals industry for several years. He received graduate training in both Europe and USA, has held academic positions in several countries and is a Fellow of the Faculty of Pharmaceutical Medicine of the Royal College of Physicians of UK. Currently he is a consultant at Jain PharmaBiotech. Prof. Jain's 470 publications including 28 books (5 as editor+22 as author) and 50 special reports, which have covered important areas in biotechnology, gene therapy and biopharmaceuticals.

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## **A B O U T   T H I S   R E P O R T**

This report will cover cytogenetics using the broad scope of cytogenetic analysis that extends beyond the simple description of the chromosomal status of a genome and enables the study of basic problems such as the nature of inherited syndromes, the genomic changes that are involved in tumorigenesis and the 3D organization of the human genome. It will include conventional FISH as well as cutting edge new technologies for molecular cytogenetics. Companies developing various technologies and the markets for these will be described.

**September 2017**  
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# TABLE OF CONTENTS

<b>0. Executive Summary .....</b>	<b>10</b>
<b>1. Introduction .....</b>	<b>12</b>
<b>Definitions .....</b>	<b>12</b>
<b>Historical evolution of cytogenetics .....</b>	<b>12</b>
<b>Scope of cytogenetics .....</b>	<b>13</b>
<b>Molecular cytogenetics .....</b>	<b>14</b>
<b>Basics of molecular biology relevant to cytogenetics .....</b>	<b>14</b>
DNA .....	14
RNA .....	15
DNA transcription.....	15
Chromosomes .....	15
Mitochondrial DNA .....	16
Genes.....	16
<i>The genetic code.....</i>	<i>16</i>
<i>Gene expression .....</i>	<i>17</i>
The human genome .....	17
Variations in the human genome.....	18
<i>Variations in DNA sequences .....</i>	<i>18</i>
<i>Single nucleotide polymorphisms .....</i>	<i>18</i>
<i>Copy number variations in the human genome.....</i>	<i>18</i>
<i>Genotype and haplotypes.....</i>	<i>20</i>
<i>Complex chromosomal rearrangements .....</i>	<i>20</i>
<i>Insertions and deletions in the human genome.....</i>	<i>20</i>
<i>Large scale variation in human genome .....</i>	<i>21</i>
<i>Structural variations in the human genome .....</i>	<i>21</i>
<i>Replication of the DNA helix .....</i>	<i>22</i>
<i>Transposons.....</i>	<i>22</i>
Mapping and sequencing of structural variation from human genomes.....	23
<b>2. Technologies used for cytogenetics .....</b>	<b>24</b>
<b>Introduction .....</b>	<b>24</b>
<b>Quantitative fluorescent polymerase chain reaction .....</b>	<b>24</b>
<b>RNA interference and cytogenetics .....</b>	<b>25</b>
RNA-induced transcriptional silencing complex.....	25
Single cell genetics by siRNA ablation .....	25
RNAi and cancer cytogenetics.....	26
Role of miRNAs in cancer cytogenetics.....	26
<b>Preimplantation genetic diagnosis.....</b>	<b>26</b>
Preimplantation genetic haplotyping .....	27
<b>Bioinformatics and cytogenetics .....</b>	<b>27</b>
FISH probe design software .....	27
LS-CAP algorithm.....	28
Distance-based clustering of CGH data .....	28
<b>3. Fluorescent In Situ Hybridization .....</b>	<b>30</b>
<b>Introduction .....</b>	<b>30</b>
<b>Innovative FISH technologies.....</b>	<b>32</b>
Automation of FISH.....	32
Chromogenic in situ hybridization (CISH).....	32
Direct visual in situ hybridization .....	33
Direct labeled Satellite FISH probes.....	33
Fiber FISH.....	33
FISH with telomere-specific probes .....	33
High-throughput quantitative FISH.....	34
In vivo FISH.....	34
Interphase FISH .....	35
Intron chromosomal expression FISH .....	35
Multicolor FISH .....	36
<i>Multicolor chromosome banding.....</i>	<i>36</i>
Oligonucleotide FISH .....	36
peT-FISH™ .....	37
Primed in situ labeling .....	37
RNA-FISH .....	37
Single copy FISH probes .....	38
Use of peptide nucleic acid with FISH .....	38
Use of locked nucleic acids with FISH .....	40

Applications of FISH .....	40
Companies involved in FISH diagnostics.....	41
<b>4. Genomic Technologies relevant to Cytogenetics .....</b>	<b>42</b>
<b>Introduction .....</b>	<b>42</b>
<b>Karyotyping based on sequencing .....</b>	<b>42</b>
<b>Microarrays/biochips for cytogenetics.....</b>	<b>42</b>
Microarrays vs karyotyping .....	43
Tissue microarrays .....	43
Chromosome copy number analysis .....	43
Combination of FISH and gene chips .....	44
Combination of CGH+SNP microarrays .....	44
SignatureChip®.....	45
<b>Molecular Combing .....</b>	<b>45</b>
<b>High density oligonucleotide arrays.....</b>	<b>45</b>
<b>Next Generation Screening® .....</b>	<b>46</b>
<b>Comparative genomic hybridization.....</b>	<b>46</b>
Array-based comparative genomic hybridization .....	48
aCGH vs karyotyping .....	48
Comparison of array CGH and multipoint FISH.....	49
Combined use of tissue microarrays and aCGH .....	49
Single-cell array CGH .....	50
Regulatory requirements for array CGH .....	50
Future prospects of aCGH .....	50
<b>Whole genome expression microarrays .....</b>	<b>51</b>
Life Technologies Expression Array System .....	51
Arrayit's® H25K .....	52
CytoScan® HD Array.....	52
Optical Mapping .....	52
<b>Single cell cytogenetics .....</b>	<b>53</b>
Single cell PCR.....	53
<i>LATE-PCR.....</i>	<i>53</i>
<i>AmpliGrid-System.....</i>	<i>53</i>
<i>Digital Counting.....</i>	<i>54</i>
Analysis of single-cell gene expression.....	54
<i>Fluorescent in situ RNA sequencing .....</i>	<i>55</i>
Application of single cell cytogenetics in preimplantation genetic testing .....	55
<b>Direct molecular analysis without amplification .....</b>	<b>56</b>
<b>5. Molecular Imaging &amp; Single Molecular Detection .....</b>	<b>58</b>
<b>Molecular imaging .....</b>	<b>58</b>
Companies involved in molecular imaging .....	58
<b>Single molecule detection.....</b>	<b>59</b>
Spectrally resolved fluorescence lifetime imaging microscopy .....	59
Single-molecule fluorescence resonance energy transfer.....	60
Confocal laser scanning .....	60
Single Molecule Array .....	60
PCR systems for single molecule detection .....	61
<i>Real-time PCR .....</i>	<i>61</i>
<i>Digital PCR.....</i>	<i>61</i>
<i>Emulsion PCR .....</i>	<i>62</i>
Rolling circle amplification technology.....	62
Microfluidic assay for protein expression at the single molecule level .....	62
Bioinformatic and single molecule detection .....	63
<b>6. Role of Nanobiotechnology in Cytogenetics .....</b>	<b>64</b>
<b>Introduction .....</b>	<b>64</b>
<b>Nanobiology and the cell.....</b>	<b>64</b>
<b>Visualization on nanoscale.....</b>	<b>65</b>
Application of AFM for biomolecular imaging .....	65
<i>Future insights into biomolecular processes by AFM.....</i>	<i>65</i>
<i>Use of AFM for microdissection of chromosomes .....</i>	<i>66</i>
Scanning probe microscopy .....	66
Near-field scanning optical microscopy .....	66
Multiple single-molecule fluorescence microscopy .....	67
Nanoscale scanning electron microscopy .....	67
Nanotechnology-based FISH.....	67
<i>Study of chromosomes by atomic force microscopy.....</i>	<i>67</i>
<i>Quantum dot FISH.....</i>	<i>67</i>
Nanobiotechnology for single molecule detection .....	68
<i>Nanolaser spectroscopy for detection of cancer in single cells .....</i>	<i>69</i>

<i>Carbon nanotube transistors for genetic screening</i> .....	69
<i>Quantum-dots-FRET nanosensors for single molecule detection</i> .....	70
<i>3D single-molecular imaging by nanotechnology</i> .....	70
<i>Manipulation of DNA sequence by use of nanoparticles</i> .....	70
Nanofluidic/nanoarray devices to detect a single molecule of DNA .....	70
Nanopore technology .....	71
Portable nanocantilever system for diagnosis .....	71
Nanobiosensors .....	72
<b>7. Biomarkers and Cytogenetics</b> .....	<b>74</b>
<b>Introduction</b> .....	<b>74</b>
Definitions .....	74
Biomarkers and cytogenetics .....	74
<b>Cancer biomarkers</b> .....	<b>74</b>
Technologies for detection of cancer biomarkers .....	75
Telomerase as a biomarker of cancer .....	75
Digital karyotyping for cancer biomarkers .....	75
Optical systems for in vivo molecular imaging of cancer .....	76
Circulating cancer cells in blood as biomarkers of cancer .....	76
Array CGH for biomarker discovery in cancer .....	77
<b>Genetic biomarkers</b> .....	<b>77</b>
<b>8. Applications of Cytogenetics</b> .....	<b>78</b>
<b>Introduction</b> .....	<b>78</b>
<b>Applications of cytogenetics in research</b> .....	<b>78</b>
Cytogenetics of embryonic stem cells .....	78
<b>Genetic disorders</b> .....	<b>79</b>
Technologies for diagnosis of genetic disorders .....	79
<i>Cytogenetic microarrays for diagnosis of mental retardation</i> .....	79
<i>Detection of copy number variations in genetic disorders</i> .....	80
<i>Detection of non-recurrent DNA rearrangements by aCGH</i> .....	80
<i>Quantitative fluorescent PCR</i> .....	81
<i>Representational oligonucleotide microarray analysis</i> .....	81
<i>SignatureChip®-based diagnostics for cytogenetic abnormalities</i> .....	81
<i>Screening for cytogenetic abnormalities</i> .....	82
Cytogenetics in prenatal diagnosis .....	82
<i>aCGH for prenatal diagnosis</i> .....	82
<i>BAC HD Scan test</i> .....	83
<i>FISH for prenatal diagnosis</i> .....	83
<i>PCR for prenatal diagnosis of trisomy 21</i> .....	83
<i>Plasma DNA sequencing to detect fetal chromosomal aneuploidies</i> .....	84
<i>Concluding remarks and future prospects of prenatal diagnosis</i> .....	86
Cytogenetics in preimplantation genetic diagnosis .....	86
<i>Array CGH for PGD</i> .....	87
<i>Fluorescent PCR for PGD</i> .....	87
<i>FISH for PGD</i> .....	87
<i>PGD using whole genome amplification</i> .....	88
Conditions detected by preimplantation cytogenetic diagnosis .....	89
The future of preimplantation genetic diagnosis .....	89
<b>Disorders of the nervous system</b> .....	<b>90</b>
Application of cytogenetics in epilepsy .....	90
Neuropsychiatric disorders in children .....	90
<b>Cardiovascular disorders</b> .....	<b>91</b>
<b>Infections</b> .....	<b>91</b>
PNA-FISH for diagnosis of infections .....	91
Diagnosis of bacterial infections at single molecule level .....	92
Detection of single virus particles .....	92
<b>Role of cytogenetics in drug discovery and development</b> .....	<b>92</b>
<b>Role of cytogenetics in the development of personalized medicine</b> .....	<b>93</b>
Relation of cytogenetics to personalized medicine .....	93
Cytomics as a basis for personalized medicine .....	94
Molecular imaging and personalized medicine .....	94
Cytogenetics for gender determination .....	95
<i>Gender determination in competitive sport</i> .....	95
<i>Gender determination in forensic cases</i> .....	95
<b>Regulatory aspects of FISH</b> .....	<b>95</b>
<b>9. Cancer Cytogenetics</b> .....	<b>98</b>
<b>Cancer genetics</b> .....	<b>98</b>
Cytogenetic abnormalities in cancer .....	98
<b>Cytogenetic technologies for molecular diagnosis of cancer</b> .....	<b>98</b>

Applications of aCGH in oncology .....	99
Cytogenetics of tumor cells in body fluids.....	100
Cytogenetics and microRNAs .....	100
FISH-based techniques .....	101
<i>FISH on paraffin-embedded tissues</i> .....	101
<i>High-throughput Imaging Position Mapping</i> .....	101
Gene expression profiles predict chromosomal instability in tumors .....	101
Loss of heterozygosity .....	102
Molecular Combing for cancer diagnosis.....	102
Mutation detection at molecular level .....	102
Proteomic identification of oncogenic chromosomal translocation partners .....	103
SNPs and cytogenetics.....	103
Tissue microarrays for cancer diagnosis .....	103
<b>Applications of cytogenetics in molecular diagnosis of cancer .....</b>	<b>104</b>
Molecular cytogenetics in hematological malignancies.....	104
<i>Chromosome translocations in leukemias</i> .....	105
<i>Cytogenetics diagnostics for leukemia</i> .....	105
<i>Cytogenetics of acute myeloid leukemia</i> .....	106
<i>Detection of p53 deletions in chronic lymphocytic leukemia</i> .....	106
<i>Cytogenetics of lymphomas</i> .....	107
<i>Cytogenetics of myelodysplastic syndrome</i> .....	107
<i>Cytogenetics of plasma cell myeloma</i> .....	108
Bladder cancer .....	108
Bone and soft tissue tumors.....	109
Brain tumors .....	110
Breast cancer .....	110
<i>Chromosomal aberrations in breast carcinomas</i> .....	110
<i>FISH vs CISH and SISH for determining of HER-2/neu amplification</i> .....	111
<i>Genomic profiles of breast cancer</i> .....	111
Colorectal cancer .....	112
Lung cancer .....	112
Ovarian cancer .....	113
<i>aCGH analyses of cisplatin-resistant ovarian cancer cells</i> .....	113
Prostate cancer.....	113
Renal cancer .....	114
Thyroid cancer.....	114
<b>Cytogenetics-based anticancer strategies.....</b>	<b>115</b>
aCGH-based strategies for targeting cancer pathways .....	115
Allele-specific inhibition .....	115
Prognostic and therapeutic significance of gene amplifications .....	116
RNAi-based approach for leukemia.....	116
Significance of double minutes .....	116
<b>Online resources for cancer cytogenetics .....</b>	<b>116</b>
<b>The Cancer Genome Atlas .....</b>	<b>117</b>
<b>Concluding remarks on cancer cytogenetics .....</b>	<b>117</b>
<b>10. Cytogenetics Markets.....</b>	<b>118</b>
<b>Introduction .....</b>	<b>118</b>
<b>Methods for study of cytogenetic markets .....</b>	<b>118</b>
<b>Cytogenetic markets according to technologies.....</b>	<b>118</b>
Market for FISH technologies.....	119
Array CGH markets .....	119
Sorting the markets of overlapping technologies.....	120
<b>Markets for cytogenetics according to therapeutic areas.....</b>	<b>120</b>
<b>Geographical distribution of markets for cytogenetics.....</b>	<b>122</b>
<b>SWOT of competing technologies.....</b>	<b>122</b>
<b>Unfulfilled needs.....</b>	<b>123</b>
Limitations of current technologies.....	125
Promising future developments in cytogenetics.....	125
Commercial aspects of genome sequencing technologies .....	125
<i>Cost of genotyping</i> .....	125
<b>11. Companies .....</b>	<b>128</b>
<b>Profiles of companies.....</b>	<b>128</b>
<b>Collaborations.....</b>	<b>215</b>
<b>12. References.....</b>	<b>220</b>

## Tables

Table 1-1: Historical landmarks in the evolution of cytogenetics .....	12
Table 2-1: A classification of technologies used for cytogenetics .....	24
Table 3-1: Classification and scope of FISH and related technologies.....	31
Table 3-2: A selection of companies with FISH diagnostics.....	41
Table 4-1: Microarray/biochip-based technologies for cytogenetics .....	42
Table 4-2: Chromosomal structural abnormalities detected by CGH.....	46
Table 4-3: Companies with whole genome chips/microarrays .....	51
Table 5-1: Companies involved in developing molecular imaging .....	58
Table 5-2: Technologies for single molecule detection .....	59
Table 6-1: Nanobiotechnologies for single molecule detection.....	69
Table 7-1: Types of cancer biomarkers relevant to cytogenetics .....	75
Table 8-1: Applications of cytogenetics.....	78
Table 8-2: Application of preimplantation cytogenetic diagnosis in monogenic disorders .....	89
Table 9-1: WHO classification of myelodysplastic syndromes.....	108
Table 9-2: Fusion genes in malignant bone and soft tissue tumors .....	109
Table 9-3: Fusion genes in adenocarcinoma of the thyroid .....	115
Table 10-1: Cytogenetic markets according to technologies from 2016-2026 .....	118
Table 10-2: Market size for cytogenetics according to applications 2016-2026.....	120
Table 10-3: Global cytogenetics markets 2016-2026 .....	122
Table 10-4: SWOT of conventional FISH .....	122
Table 10-5: SWOT of innovative FISH technologies .....	123
Table 10-6: SWOT of PCR-based assays .....	123
Table 10-7: SWOT of aCGH.....	123
Table 10-8: SWOT of single molecule imaging .....	123
Table 11-1: Major suppliers of reagents/services/equipment for cytogenetics.....	128
Table 11-2: Major consumers of reagents .....	129
Table 11-3: Companies developing innovative technologies in cytogenetics.....	129
Table 11-4: Collaborations in cytogenetics .....	215

## Figures

Figure 6-1: Scheme of a novel optical mRNA biosensor .....	72
Figure 8-1: Relation of various technologies to drug discovery and development .....	93
Figure 8-2: Relation of cytogenetics to personalized medicine .....	93
Figure 8-3: Relation of cytomics to personalized medicine.....	94
Figure 9-1: Basic scheme of genome-wide screening techniques for cancer.....	98
Figure 10-1: Distribution of applications of cytogenetics in the year 2021 .....	121
Figure 10-2: Distribution of applications of cytogenetics in the year 2026 .....	121
Figure 10-3: Unfulfilled needs in cytogenetics according to technologies .....	124
Figure 10-4: Unfulfilled needs in cytogenetics according to areas of application .....	124