

Global Cancer Vaccine Market & Clinical Trial Insight

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Abstracts

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The concept of vaccines dates back to 1881, when Edward Jenner developed the first vaccine to treat small pox. Since then many technological advancements have been made, in modern times, vaccines have been developed as a new therapeutic for prevention and eradication of cancer. Currently, ranges of therapeutics are available in market to effectually combat cancer, but they suffer from several glitches like low effectiveness and high unspecificity. Researchers came up with the idea of cancer vaccines to alleviate patients suffering from cancer.

Conventionally, vaccines were used for the prevention of contagious diseases, they work by boosting the immune response against the pathogens. Analogously, cancer vaccines work by activating the immune system to attack on cancer cells. Researchers developed cancer vaccines to alleviate patients suffering from cancer. With the technological advances, cancer vaccines have been developed as a new therapeutic for cancer prevention and eradication. Currently, ranges of therapeutics are available in market to effectually combat cancer, but they suffer from several glitches like low effectiveness and high unspecificity.

The cancer vaccines have revolutionized the present views and methodologies of cancer treatment. As a result of which plenty of biotech companies are exploring the field of cancer vaccines. This has caused the development of numerous cancer vaccines for numerous types of cancer. Pharmaceutical companies are using these vaccines for clinical trials; few of them are already available to the patients across the world. The US and EU were the first markets to approve the cancer vaccines for therapeutic usage. As compared to rest of the world, commercialization and development in these regions have already made a significant progress.



The attractiveness for cancer vaccines has increased in past few years due to their characteristic properties like less side effects, low toxicity and high specificity. Besides, innovations related to novel delivery methods have also made them a lucrative option. Unlike traditional methods, they can be used for targeting the sub-group of cancers without effecting normal cells. Another factor in their favor is their high efficacy levels as compared to the presently available cancer therapeutics.

The market size of cancer vaccines category is many fold smaller than other cancer therapeutics categories. Due to nascent stages of industry-life cycle and late introduction in market has decreased their overall share. To tap this cancer market category, many global companies are actively investing in cancer vaccine development. The market penetration is expected to increase with the competition among various pharmaceutical companies to get a larger portion of this market category.

The cancer vaccines have to go through a long journey before enjoying the status of blockbuster drug. Presently, they have achieved a lot of success in both therapeutic and preventive field. However, inclination of market and researchers seems to be more towards the preventive category of cancer vaccines. For therapeutic side, it should be noted that novel methods for cancer eradication has been made. The future of cancer vaccines looks optimistic and plenty of cancer vaccines will hit the shelf in coming years.

"Global Cancer Vaccine Market & Clinical Trial Insight" Report Highlights:

Global Cancer Market Overview

Emergence of Personalized Cancer Vaccines

Platforms for Cancer Vaccines Delivery

Mechanism of Cancer Vaccines

Global Cancer Vaccines Clinical Pipeline by Phase, Indication, Company & Country

Global Cancer Vaccine Clinical Pipeline: 298 Vaccines

Marketed Cancer Vaccines: 15 Vaccines



Regulatory Framework for Cancer Vaccines Development & Marketing



Contents

1. INTRODUCTION TO CANCER VAACINES

2. MECHANISM OF CANCER VACCINES

- 2.1 Idiotype Cancer Vaccine Mechanism
- 2.2 Cellular Cancer Vaccines Mechanism
- 2.3 Ganglioside Antigens based Cancer Vaccines Mechanism
- 2.4 Peptide Cancer Vaccine Mechanism
- 2.5 Tumor Host Interaction Cancer Vaccine Mechanism

3. ADJUVANTS THERAPY FOR CANCER VACCINES

4. GLOBAL CANCER VACCINES MARKET OVERVIEW

- 4.1 Current Market Scenario
- 4.2 Global Cancer Vaccine Drug Pipeline by Indication

5. EMERGENCE OF PERSONALIZED CANCER VACCINES

6. PUBLIC HPV CANCER VACCINATION PROGRAM

7. GLOBAL CANCER VACCINES MARKET DYNAMICS

- 7.1 Favorable Market Parameters
 - 7.1.1 Pottential Demand for Cancer Vaccines
 - 7.1.2 Public Cancer Vaccination Program
 - 7.1.3 Advancements in Development Technology
 - 7.1.4 Personalized Cancer Vaccines
 - 7.1.5 Myriad of Demographs for Cancer Vaccine Development
- 7.2 Commercialization Challenges

8. GLOBAL CANCER VACCINE MARKET FUTURE OUTLOOK

9. BLADDER CANCER VACCINE CLINICAL PIPELINE INSIGHT BY COMPANY & PHASE



9.1 Phase-II

10. BLOOD CANCER VACCINE CLINICAL PIPELINE INSIGHT BY COMPANY & PHASE

- 10.1 Research till Preregistration
- 11. BRAIN CANCER VACCINE CLINICAL PIPELINE INSIGHT BY COMPANY & PHASE
- 11.1 Preclinical Till Phase-III
- 12. BREAST CANCER VACCINE CLINICAL PIPELINE INSIGHT BY COMPANY & PHASE
- 12.1 Preclinical till Phase-III
- 13. CANCER VACCINE CLINICAL PIPELINE INSIGHT BY COMPANY & PHASE
- 13.1 Research till Phase-II
- 14. CERVICAL CANCER VACCINE CLINICAL PIPELINE INSIGHT BY COMPANY & PHASE
- 14.1 Phase-II
- 15. COLORECTAL CANCER VACCINE CLINICAL PIPELINE INSIGHT BY COMPANY & PHASE
- 15.1 Preclinical till Preregistration
- 16. HEAD AND NECK CANCER VACCINE CLINICAL PIPELINE INSIGHT BY COMPANY & PHASE
- 16.1 Preclinical till Phase-I/II
- 17. LIVER CANCER VACCINE CLINICAL PIPELINE INSIGHT BY COMPANY & PHASE



17.1 Phase-I till Phase-II

18. LUNG CANCER VACCINE CLINICAL PIPELINE INSIGHT BY COMPANY & PHASE

- 18.1 Preclinical till Phase-III
- 19. OESOPHAGEAL CANCER VACCINE CLINICAL PIPELINE INSIGHT BY COMPANY & PHASE
- 19.1 Phase-III
- 20. OVARIAN CANCER VACCINE CLINICAL PIPELINE INSIGHT BY COMPANY & PHASE
- 20.1 Preclinical till Phase-III
- 21. PANCREATIC CANCER VACCINE CLINICAL PIPELINE INSIGHT BY COMPANY & PHASE
- 21.1 Reseach till Phase-III
- 22. PROSTATE CANCER VACCINE CLINICAL PIPELINE INSIGHT BY COMPANY & PHASE
- 22.1 Preclinical till Phase-III
- 23. RENAL CANCER VACCINE CLINICAL PIPELINE INSIGHT BY COMPANY & PHASE
- 23.1 Phase-III Phase-III
- 24. SARCOMA VACCINE CLINICAL PIPELINE INSIGHT BY COMPANY & PHASE
- 24.1 Phase-II
- 25. SKIN CANCER VACCINE CLINICAL PIPELINE INSIGHT BY COMPANY & PHASE



25.1 Preclinical till Phase-III

26. SOLID TUMOURS VACCINE CLINICAL PIPELINE INSIGHT BY COMPANY & PHASE

26.1 Preclinical till Phase-II

27. MULTIPLE CANCER VACCINE CLINICAL PIPELINE INSIGHT BY COMPANY & PHASE

27.1 Preclinical till Phase-III

28. MARKETED CANCER VACCINE CLINICAL INSIGHT BY COMPANY & INDICATION

- 28.1 Bladder Cancer
 - 28.1.1 BCG Bladder Cancer Vaccine (Immucyst® & TheraCys®)
 - 28.1.2 Bladder Cancer Vaccine (PACIS®)
 - 28.1.3 Bladder Cancer Vaccine Organon Teknika
- 28.2 Cervical Cancer
 - 28.2.1 Human Papillomavirus Vaccine Recombinant Bivalent (Cervarix®)
- 28.3 Lung Cancer
 - 28.3.1 BV NSCLC
 - 28.3.2 Cadi 05 (Immuvac® & Mycidac-C™)
 - 28.3.3 Racotumomab (Vaxira®)
- 28.4 Pancreatic Cancer
 - 28.4.1 Tertomotide (LucaVax)
- 28.5 Prostate Cancer
 - 28.5.1 Sipuleucel-T (Provenge®)
- 28.6 Renal Cancer
 - 28.6.1 Renal Cancer Vaccine (Reniale®)
 - 28.6.2 Vitespen (Oncophage®)
- 28.7 Skin Cancer
 - 28.7.1 Melanoma Vaccine (MVax®)
 - 28.7.2 Melanoma Vaccine (Melacine®)
- 28.8 Multiple Cancer
 - 28.8.1 Human Papillomavirus Vaccine 9-Valent (V503) (GARDASIL®9)
 - 28.8.2 Human Papillomavirus Vaccine Quadrivalent (Gardasil® & Silgard®)



29. DISCONTINUED & SUSPENDED CANCER VACCINE DRUG CLINICAL PIPELINE INSIGHT

- 29.1 No Development Reported
- 29.2 Discontinued
- 29.3 Suspended

30. FDA REGULATORY FRAMEWORK FOR CANCER VACCINES DEVELOPMENT & MARKETING

- 30.1 Considerations for both Early and Late Phase Clinical Trials
 - 30.1.1 Patient Population
 - 30.1.2 Monitoring the Immune Response
 - 30.1.3 Biomarkers as Evidence Of Efficacy
 - 30.1.4 Adjuvants Used To Stimulate Immune Response
 - 30.1.5 Multi-Antigen Vaccines
- 30.1.6 Disease Progression/Recurrence Immediately Or Shortly After The Initial

Administration Of Cancer Vaccines

- 30.1.7 Concomitant and Subsequent Therapies
- 30.2 Considerations for Early Phase Clinical Trials
 - 30.2.1 Starting Dose and Dosing Schedule
 - 30.2.2 Booster and Maintenance Therapy
 - 30.2.3 Dose Escalation
- 30.2.4 Single-Arm versus Randomized Phase 2 Trials In Early Development
- 30.3 Considerations for Late Phase Clinical Trials
 - 30.3.1 Safety Profile from Early Phase Clinical Trials
 - 30.3.2 Endpoints
 - 30.3.3 Statistical Issues
 - 30.3.4 Control Issues
 - 30.3.5 Delayed Vaccine Effect
 - 30.3.6 Autologous Vaccine Trials
 - 30.3.7 Accelerated Approval Regulations

31. COMPETITIVE LANDSCAPE: BUSINESS OVERVIEW & PRODUCT PIPELINE

- 31.1 Advaxis
- 31.2 AVAX Technologies
- 31.3 Celldex Therapeutics
- 31.4 Dendreon Corporation



- 31.5 Galena Biopharma
- 31.6 GlaxoSmithKline
- 31.7 ImmunoCellular Therapeutics
- 31.8 ImmunoGen
- 31.9 Inovio Pharmaceuticals
- 31.10 KAEL-GemVax
- 31.11 Liponova
- 31.12 MedImmune
- 31.13 Merck
- 31.14 NeoStem Oncology
- 31.15 NewLink Genetics
- 31.16 Northwest Biotherapeutics
- 31.17 Novartis
- 31.18 Peregrine Pharmaceuticals
- 31.19 Recombio
- 31.20 Roche
- 31.21 Sanofi
- 31.22 Seattle Genetics
- 31.23 Valeant Pharmaceuticals



List Of Figures

LIST OF FIGURES

Figure 1-1: Categorization & Function of Cancer Vaccines
Figure 2-1: Classification of Different Types of Cancer vaccines
Figure 4-1: Global Cancer Vaccines Market (US\$ Billion), 2014-2020
Figure 4-2: Global Cancer Vaccines Market by Region (%), 2014 & 2020
Figure 4-3: Examples of Commercially Available Cancer Vaccines
Figure 4-4: Cancer Vaccine Drug Pipeline by Phase (%), 2015
Figure 4-5: Cancer Vaccine Drug Pipeline by Phase (Number), 2015
Figure 4-6: Bladder Cancer Vaccine Drug Pipeline by Phase (%), 2015
Figure 4-7: Bladder Cancer Vaccine Drug Pipeline by Phase (Number), 2015
Figure 4-8: Blood Cancer Vaccine Drug Pipeline by Phase (%), 2015
Figure 4-9: Blood Cancer Vaccine Drug Pipeline by Phase (Number), 2015
Figure 4-10: Brain Cancer Vaccine Drug Pipeline by Phase (%), 2015
Figure 4-11: Brain Cancer Vaccine Drug Pipeline by Phase (Number), 2015
Figure 4-12: Breast Cancer Vaccine Drug Pipeline by Phase (%), 2015
Figure 4-13: Breast Cancer Vaccine Drug Pipeline by Phase (Number), 2015
Figure 4-14: Cancer Vaccine Drug Pipeline by Phase (%), 2015
Figure 4-15: Cancer Vaccine Drug Pipeline by Phase (Number), 2015
Figure 4-16: Cervical Cancer Vaccine Drug Pipeline by Phase (%), 2015
Figure 4-17: Cervical Cancer Vaccine Drug Pipeline by Phase (Number), 2015
Figure 4-18: Colorecta Cancer Vaccine Drug Pipeline by Phase (%), 2015
Figure 4-19: Colorecta Cancer Vaccine Drug Pipeline by Phase (Number), 2015
Figure 4-20: Head & Neck Cancer Vaccine Drug Pipeline by Phase (%), 2015
Figure 4-21: Head & Neck Cancer Vaccine Drug Pipeline by Phase (Number), 2015
Figure 4-22: Liver Cancer Vaccine Drug Pipeline by Phase (%), 2015
Figure 4-23: Liver Cancer Vaccine Drug Pipeline by Phase (Number), 2015
Figure 4-24: Lung Cancer Vaccine Drug Pipeline by Phase (%), 2015
Figure 4-25: Lung Cancer Vaccine Drug Pipeline by Phase (%), 2015
Figure 4-26: Ovarian Cancer Vaccine Drug Pipeline by Phase (%), 2015
Figure 4-27: Ovarian Cancer Vaccine Drug Pipeline by Phase (%), 2015
Figure 4-28: Pancreatic Cancer Vaccine Drug Pipeline by Phase (%), 2015
Figure 4-29: Pancreatic Cancer Vaccine Drug Pipeline by Phase (Number), 2015
Figure 4-30: Prostate Cancer Vaccine Drug Pipeline by Phase (%), 2015
Figure 4-31: Prostate Cancer Vaccine Drug Pipeline by Phase (Number), 2015
Figure 4-32: Renal Cancer Vaccine Drug Pipeline by Phase (%), 2015

Figure 4-33: Renal Cancer Vaccine Drug Pipeline by Phase (Number), 2015



- Figure 4-34: Skin Cancer Vaccine Drug Pipeline by Phase (%), 2015
- Figure 4-35: Skin Cancer Vaccine Drug Pipeline by Phase (%), 2015
- Figure 4-36: Solid Tumour Vaccine Drug Pipeline by Phase (%), 2015
- Figure 4-37: Solid Tumour Vaccine Drug Pipeline by Phase (Number), 2015
- Figure 4-38: Multiple Cancer Vaccine Drug Pipeline by Phase (%), 2015
- Figure 4-39: Multiple Cancer Vaccine Drug Pipeline by Phase (Number), 2015
- Figure 4-40: No Development Reported Cancer Vaccine Drug Pipeline by Phase (%), 2015
- Figure 4-41: No Development Reported Cancer Vaccine Drug Pipeline by Phase (Number), 2015
- Figure 4-42: Discontinued Cancer Vaccine Drug Pipeline by Phase (%), 2015
- Figure 4-43: Discontinued Cancer Vaccine Drug Pipeline by Phase (Number), 2015
- Figure 4-44: Suspended Cancer Vaccine Drug Pipeline by Phase (%), 2015
- Figure 4-45: Suspended Cancer Vaccine Drug Pipeline by Phase (Number), 2015
- Figure 5-1: Overview of Personalized Cancer Vaccines Development
- Figure 5-2: Methodology for the Development of Personalized Cancer Vaccine
- Figure 5-3: Schematic Representation of Development of Skin Implant for Cancer Vaccine
- Figure 6-1: Prophylactic Cancer Vaccines Available for Different Serotypes of HPV
- Figure 7-1: Factors Responsible for High Demand of Cancer Vaccines
- Figure 31-1: Advaxis Clinical Pipeline
- Figure 31-2: Celldex Therapeutics Clinical Pipeline
- Figure 31-3: Galena Biopharma Clinical Pipeline
- Figure 31-4: ImmunoCellular Therapeutics Clinical Pipeline
- Figure 31-5: ImmunoGen Clinical Pipeline
- Figure 31-6: Inovio Pharmaceuticals Clinical Pipeline
- Figure 31-7: KAEL-Gemvax Clinical Pipeline
- Figure 31-8: NewLink Genetics Corporation Clinical Pipeline
- Figure 31-9: Northwest Biotherapeutics Clinical Pipeline
- Figure 31-10: Peregrine Pharmaceuticals Clinical Pipeline
- Figure 31-11: Seattle Genetics Clinical Pipeline



List Of Tables

LIST OF TABLES

Table 5-1: Different Types of Biomarkers For Personalized Cancer Vaccine Development

COMPANIES

Advaxis

AVAX Technologies

Celldex Therapeutics

Dendreon Corporation

Galena Biopharma

GlaxoSmithKline

ImmunoCellular Therapeutics

ImmunoGen

Inovio Pharmaceuticals

KAEL-GemVax

Liponova

MedImmune

Merck

NeoStem Oncology

NewLink Genetics

Northwest Biotherapeutics

Novartis

Peregrine Pharmaceuticals

Recombio

Roche

Sanofi

Seattle Genetics

Valeant Pharmaceuticals



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