



## Vaccinology Research Outsourcing Services

Our vaccinology research outsourcing services advance vaccine development by combining cutting-edge immunoinformatics, in vitro validation, and preclinical studies to produce safe and effective vaccine candidates.

### Our Vaccinology Research Capabilities

Our immunologists and bioinformaticians specialize in designing multi-epitope vaccines, analyzing immunological responses, and optimizing adjuvants to boost protective immunity against diverse pathogens.

### Types of Vaccinology Research We Handle

- Epitope Mapping and Vaccine Design
- Reverse Vaccinology Approaches
- Multi-Epitope Vaccine Construct Development
- Peptide and Protein-Based Vaccines
- In Silico Immunogenicity Prediction
- Adjuvant Screening and Formulation
- Antibody Titer Measurement
- Cell-Mediated Immunity Assays
- Animal Model Immunization Studies
- Preclinical Efficacy Testing
- Neutralization Assays
- Safety and Toxicity Studies
- Pathogen Attenuation and Inactivation
- Vaccine Stability and Storage Studies
- Scale-Up and Pilot Production
- Batch Consistency and QC Testing
- Publication-Ready Vaccinology Data
- Regulatory-Compliant Vaccinology Reports
- Cross-Lab Validation of Vaccine Protocols
- Custom Vaccinology Research Projects

## **Key Research Outsourcing Services Offered**

- Antigen and Epitope Identification
- In Silico Vaccine Construct Design
- Peptide Synthesis and Protein Expression
- Adjuvant Compatibility Testing
- In Vitro Immunogenicity Assays
- Animal Model Immunization Protocols
- Serological and Neutralization Studies
- Cellular Immunity Profiling
- Data Analysis and Visualization
- Publication-Ready Figures and Reports
- Stakeholder Presentation Preparation
- Confidential Data Handling and NDA
- Interim Progress Updates and Reports
- Workshops and Training in Vaccinology
- Post-Project Technical Consulting
- IP and Patent Filing Support for Vaccine Designs
- Grant Proposal and Manuscript Assistance
- Secure Data Storage and Archiving
- Compliance with GLP, ISO, WHO Guidelines
- Cross-Lab Protocol Validation
- Collaboration with Preclinical and Clinical Teams
- Long-Term Vaccinology Research Partnerships
- Custom SOP Development for Vaccine Labs
- Regulatory Dossier Preparation for Approvals
- Market-Ready Vaccinology Reports

## **Why Choose Us for Vaccinology Research Outsourcing?**

Our integrated in silico-to-preclinical workflows, robust immunoinformatics pipelines, and strict compliance protocols ensure high-quality, rapid, and cost-effective vaccine development support.

## **Industries & Sectors We Serve**

- Biopharma and Vaccine Development Firms
- Public Health Research Agencies
- Academic Immunology and Vaccinology Labs
- Clinical Research Organizations (CROs)
- Non-Profit Global Vaccination Programs
- Regulatory and Quality Control Bodies

## Customized Vaccinology Solutions

We deliver bespoke vaccine constructs, epitope predictions, and preclinical validation reports aligned with your product pipeline and regulatory timelines.

## Quality Assurance & Regulatory Compliance

Our vaccinology workflows adhere to GLP, ISO, WHO, and local regulatory standards to ensure safe, reproducible, and submission-ready results.

## Case Studies & Client Success Stories

Discover how our vaccinology outsourcing has accelerated novel vaccine designs, improved pandemic preparedness, and supported rapid regulatory clearances. References available on request.

## How It Works: Our Research Outsourcing Process

1. **Requirement Gathering:** Define target pathogen, desired immunity type, and study scope.
2. **Proposal & Quotation:** Provide a detailed workflow, timeline, deliverables, and budget estimate.
3. **Design and Testing:** Develop vaccine construct, test immunogenicity in vitro and in vivo.
4. **Reporting:** Deliver annotated data, neutralization results, and regulator-ready documentation.
5. **Post-Project Support:** Offer consulting, manuscript preparation, and patent support.

## Frequently Asked Questions (FAQs)

**Q:** Do you handle epitope prediction in silico?

**A:** Yes — we use advanced bioinformatics tools for accurate epitope mapping.

**Q:** Can you conduct animal model immunization studies?

**A:** Absolutely — we follow ethical and regulatory standards for animal trials.

**Q:** How secure is my vaccine design and data?

**A:** We enforce strict NDAs, secure data handling, and complete IP protection.

## Get Started / Request a Quote

Contact us today to discuss your vaccinology project and receive a tailored plan, timeline, and cost estimate aligned with your research objectives.

## Contact Us

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