Institute of Medicine Prepared Forum

26 - 27 MARCH 2015

Oral Vectored Vaccines Administered by Room Temperature Stable Tablet

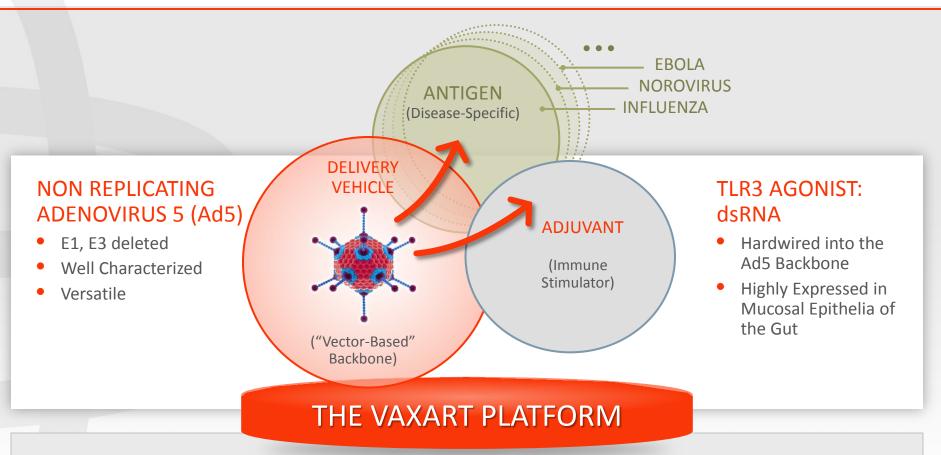
Wouter Latour, MD Chief Executive Officer



UNLOCKING THE FULL POTENTIAL OF ORAL VACCINES

Oral Non-Replicating Ad5 Co-Delivers Antigen and "Intestinal Adjuvant"





VECTOR ADJUVANT COMBINATION

Suitable for Delivery of Any Recombinant Antigen Modular, Standardized Approach Adjuvant and Antigen are always co-delivered

Minimal Systemic Exposure to Adjuvant

Tablet Delivers Active Ingredient to Small Intestine – Antigen and Adjuvant Are Co-Expressed



Enteric-Coated Tablet Protects Against Stomach Acid and Delivers Non-Replicating Adenovirus 5 (Ad5) Vaccine to Small Intestine Viral Particle Delivers Antigen and Adjuvant Genes (the "Payload") to Mucosal Epithelium for Expression Mucosal **Epithelium** T Cell B Cel Activated Dendritic Cell TLR3 Signal Activates Immune Cascade, Targeting Vaccine Antigen

Advantages of Oral Ad5 Vectored Platform



Advantages that are Common Across Vectored Vaccines

- Versatility
 - Suitable for delivery of virtually any Protein Antigen
 - Flu, HPV, Hep B, industry pipeline
 - Ebola, Marburg, CHIK, etc.
- Speed, Manufacturability
 - Rapid Construction
 - High Yield Process
 - Consistent across all Vaccines
- Safety
 - Recombinant protein
 - No need to work with pathogen

Advantages that are Unique to Vaxart Oral Ad5 Platform

- Vaxart Vaccines directly target
 Immune System of the Gut
 - Largest compartment
- Evades anti-vector issues
 - Responses are independent of preexisting anti-Ad5 status
 - No/minimal anti-Ad5 responses
- TLR3 adjuvant activates broad and robust Immune Responses to Vaccine Antigen
 - Systemic Antibodies, T-Cells
 - Mucosal Antibodies

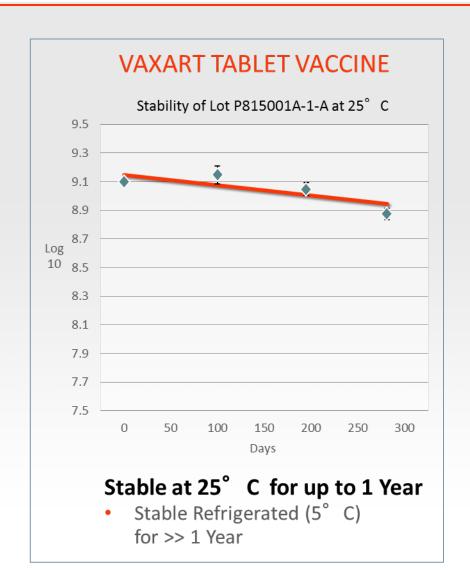
Room Temperature Stable Tablet Improves Acceptance and Eliminates Logistical Bottlenecks



Game Changer in Locations without Infrastructure

- No Needle
 - Patient Acceptance
 - Ease of Administration
 - No Needle Stick, Biohazard
 - Cultural Advantages
- No Cold Chain
 - Ease of Distribution
 - Logistics, Cost





H1N1 Phase I Placebo-Controlled Studies



DELIVERY SYSTEM

Coated Tablets



Purpose:

- Safety and Immunogenicity
- Dose Ranging

STUDY DESIGN

Randomized, Double Blind, Placebo Controlled

TOTAL	60
Placebo, 1e11 (Active Phase Complete)	24 (2 x 12)
Placebo, 1e9, 1e10	36 (3 x 12)
THREE DOSE LEVELS	# SUBJECTS



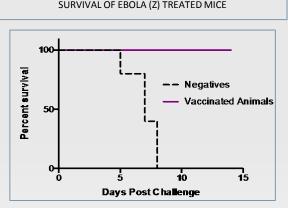


Preclinical Data in 2012

- Collaboration with USAMRIID
- 100% Survival against Challenge in Mice

Funding Request Submitted to fund NHP Studies

Limited clinical data



August 2014: USAMRIID/Vaxart Re-activated Program

- Room Temperature Stable Tablets
- Vaxart manufactured vaccine for NHP studies and Phase I
- PIND Meetings in 4Q 2014
- Resubmitted funding proposal

Decision Factors, Constraints, Opportunities



Privately Held

- Development Stage
- No Revenues, dependent on capital

Constraints

- Pressure to deliver on Milestones that drive Economic Value to help raise next financing
- Opportunity Cost

Positive Forces

- Strong desire to work on meaningful targets
- Clear Development Path
- Government funding, partnership

Vaxart Programs – Building on Platform Advantages



TABLET VACCINE OFFERS KEY ADVANTAGES

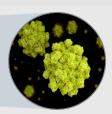
Clinical Programs in 2015



SEASONAL FLU



EBOLA 1



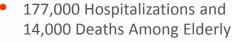
NOROVIRUS

- Tablets
- Speed
- Safety/Tolerability
- Manufacturing

- Infection Through Mucosal Surfaces
- Room Temperature Stable Tablet Is Key for Distribution to Africa
- Opportunity for Accelerated Approval
- 50% of All Foodborne Intestinal Viral Infections
- Mucosal Immunity Is Critical for Protection



RSV



- Mucosal Component
- Annual Vaccination
- Synergy with Flu in Timing

Preclinical



HERPES 2 - THERAPEUTIC

- 15 20% of Adults Are Infected
- T-Cells Are Essential
- Tablet Is Key Competitive Advantage

1) Subject to Government funding