

# Pepinemab – Anti-SEMA4D Antibody for Neurodegenerative Disease and Cancer Immunotherapy



Unique Targets

Novel Mechanisms

New Medicines

## Corporate Presentation

January 2022

VCNX

# Forward Looking Statements

To the extent that statements contained in this presentation are not descriptions of historical facts regarding Vaccinex, Inc. (“Vaccinex,” “we,” “us,” or “our”), they are forward-looking statements reflecting management’s current beliefs and expectations. Such statements include, but are not limited to, statements about the Company’s plans, expectations and objectives with respect to the results and timing of clinical trials of pepinemab in various indications, the use and potential benefits of pepinemab in Huntington’s and Alzheimer’s disease and other indications, and other statements identified by words such as “may,” “will,” “appears,” “expect,” “planned,” “anticipate,” “estimate,” “intend,” “hypothesis,” “potential,” “advance,” and similar expressions or their negatives (as well as other words and expressions referencing future events, conditions, or circumstances). Forward-looking statements involve substantial risks and uncertainties that could cause the outcome of the Company’s research and pre-clinical development programs, clinical development programs, future results, performance, or achievements to differ significantly from those expressed or implied by the forward-looking statements. Such risks and uncertainties include, among others, uncertainties inherent in the execution, cost and completion of preclinical and clinical trials, uncertainties related to regulatory approval, the risks related to the Company’s dependence on its lead product candidate pepinemab, the ability to leverage its ActivMAb® platform, the impact of the COVID-19 pandemic, and other matters that could affect the Company’s development plans or the commercial potential of its product candidates. Except as required by law, the Company assumes no obligation to update these forward-looking statements. For a further discussion of these and other factors that could cause future results to differ materially from any forward-looking statement, see the section titled “Risk Factors” in the Company’s periodic reports filed with the Securities and Exchange Commission (“SEC”) and the other risks and uncertainties described in the Company’s most recent year end Annual Report on Form 10-K and subsequent filings with the SEC.



# NOVEL ANTIBODY THERAPEUTICS TO TARGET UNMET NEEDS



## ✓ **Novel Mechanistic Approach**

Lead product: Pepinemab

First in class: Blocks a unique target, Semaphorin 4D

Humanized IgG4 monoclonal antibody,

## ✓ **Clinical Proof of Concept**

## ✓ **Advanced clinical programs with near-term opportunities for monetization by partnering**

### **Pepinemab**

SEMA4D pathways are activated

in immune and central nervous systems in response to stress/disease

#### **Cancer Immunology**







- ❖ Facilitates infiltration of T cells and reduce immunosuppression to potentially overcome immune resistance
- ❖ Data suggest pepinemab may complement immune checkpoint therapies without added toxicity
- ❖ Ongoing Phase 1/2 trial in head and neck cancer, partnered with Merck

#### **Neurodegenerative Disease**

- ❖ Targets underlying disease pathology
- ❖ Data suggest ability to repair and restore normal functions
- ❖ Broad application
- ❖ Phase 3-ready asset in Huntington's Disease
- ❖ Ongoing Phase 1/2 trial in Alzheimer's Disease



# PIPELINE and MILESTONES

Research/Preclinical	Phase 1	Phase 2	Phase 3	Partner/Funding	Milestone
<b>Pepinemab Antibody Platform (anti-Semaphorin 4D Mab)</b>					
<b>Oncology</b>					
Pepinemab COMBO with Avelumab in <b>Non Small Cell Lung Cancer</b>			CLASSICAL-Lung	 Merck, KGaA Darmstadt	Complete, Published 2021
Pepinemab COMBO with Pembrolizumab in <b>Head and Neck Cancer</b>			KEYNOTE B84	 Merck, MSD	Ongoing <b>Data H2 2022</b>
<b>Neurology</b>					
Pepinemab in <b>Huntington's Disease</b> (Orphan Drug and Fast Track Designations)				  Alzheimer's Drug Discovery Foundation	Complete, <b>Publish H2 2022</b>
Pepinemab in <b>Alzheimer's Disease</b>					Ongoing <b>Data H1 2023</b>

All Studies Sponsored by:



# PEPINEMAB IMMUNO-ONCOLOGY

Novel mechanism of action

*Neutralizes the SEMA4D barrier at tumor boundary and inhibits immune suppressor cells to facilitate anti-tumor immune cells*

→ Data suggests synergy with immune checkpoint therapy

Well tolerated

## STATUS

Phase 1b/2 Non Small Cell Lung Cancer  
(NSCLC)

**Complete**

Data published in Clinical Cancer Research, 2021  
Pepinemab Combination with Bavencio™

Phase 1b/2 Head and Neck Cancer  
(R/M HNSCC)

Initiated Q2 2021

**Data expected 2H 2022**

Pepinemab Combination with Keytruda™

Sponsored by:



Co-funded by:

EMD Serono/Merck KGaA, Darmstadt



Sponsored by:



Drug provided by:  
Merck, MSD



## SUMMARY

### CLASSICAL-Lung

- Well tolerated
- Anti-tumor activity observed in some patients with challenging PD-L1 negative or low tumors
- Anti-tumor activity observed in some patients whose cancer was resistant to prior therapy with single-agent checkpoint inhibitors
- Increased penetration of cytotoxic T cells following treatment

### Head and Neck Cancer (Keynote B84)

- RATIONALE: High levels of myeloid derived suppressor cells (MDSC) are induced by SEMA4D and are a source of resistance to immune checkpoint therapy
- First line treatment for recurrent or metastatic HNSCC, n=62
- 19 sites, US
- Safety Run-In: Complete



# PEPINEMAB

## NEURODEGENERATIVE DISEASE

Unique Mechanism of Action:

*We believe Pepinemab has the potential to block chronic glial activation and restore their normal support functions.*

Broadly applicable approach:

*Does not target disease-specific insult, instead targets common trigger of reactive inflammation which contributes to and amplifies neurodegeneration*

### STATUS

Phase 2 Huntington's Disease  
Double-blind, Placebo-controlled

**Complete**

Phase 1/2a Alzheimer's Disease  
Double-blind, Placebo-controlled

Initiated Q2 2021

**Data expected H1 2023**

Currently exploring pharma collaboration

Sponsored by:



Granted Orphan Disease and Fast Track  
Designations by FDA

Sponsored by:



Funding by:



### SUMMARY

#### Huntington's Disease (SIGNAL)



- Well tolerated
- Co-primary endpoints did not achieve statistical significance (CGIC and family of 2 cognitive assessments)
- Improvements observed in cognitive assessments
- Observed reduced brain atrophy (vMRI) and restored loss of metabolic activity (FDG-PET)
- *Phase 3-ready asset*

#### Alzheimer's Disease (SIGNAL-AD)

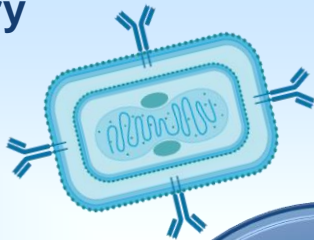


- Primary endpoint: Safety
- Key efficacy assessments: Cognition and metabolic activity (FDG-PET)
- 14 sites, US
- 40 participants (n=20/treatment arm)

# ActivMab Discovery Solutions

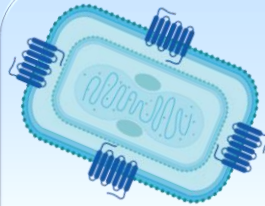
## Antibody Library

Diverse Antibody Library ( $10^{10}$ )  
Screened as Human IgG in Mammalian Cells



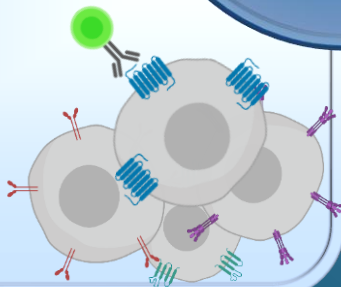
## Antigen Virus

Virions expressing Complex Membrane Proteins for Antibody Discovery



## Target Identification

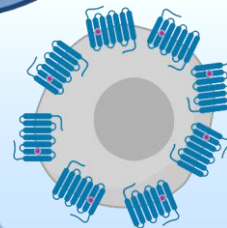
Large cDNA library expressed in Mammalian Cells



**ActivMab**  
Technology  
Discovery Solutions

## Protein Optimization

Mammalian expression of mutant libraries to enhance expression



Unique capability for selection of high value antibodies against hard-to-target multi-pass membrane receptors (i.e. GPCRs, ion channels)

Designed as a sustainable engine for value creation through pipeline expansion and strategic collaborations

Active collaborations with two major pharma and multiple biotech partners

A large, dark blue, semi-transparent rectangular area covering most of the slide. Inside this area, the text "Pepinemab Antibody for Cancer Immunotherapy" is centered in white. The background of this area is a faint, grayscale microscopic image of various cell clusters and individual cells, some showing irregular shapes and textures typical of cancer cells.

# Pepinemab Antibody for Cancer Immunotherapy

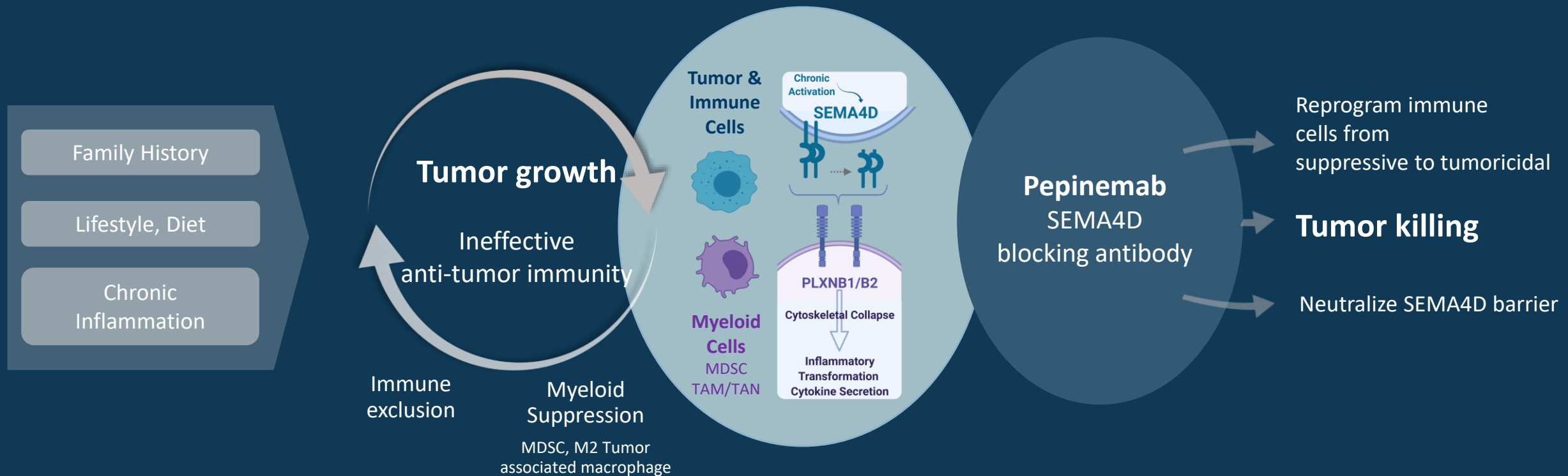
■ Unique Targets ■ Novel Mechanisms ■ New Medicines





# PROPOSED MECHANISM OF ACTION:

Preclinical and clinical evidence suggests pepinemab may reprogram underlying pathology in cancer

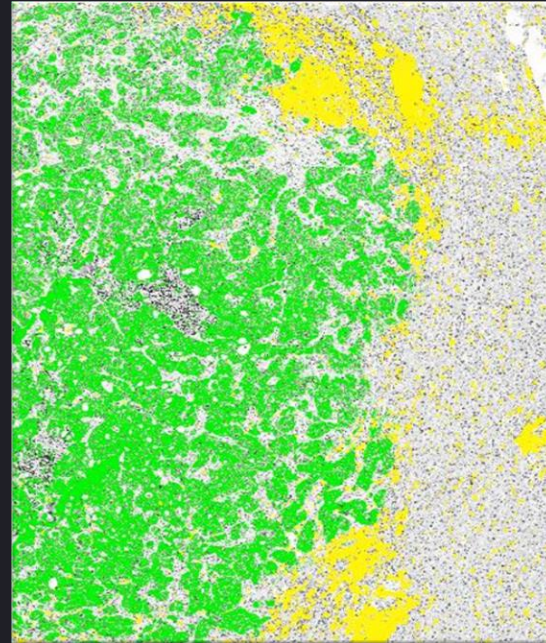


# WHY DOES IMMUNE RESPONSE FAIL IN TUMORS?

## Immune Exclusion

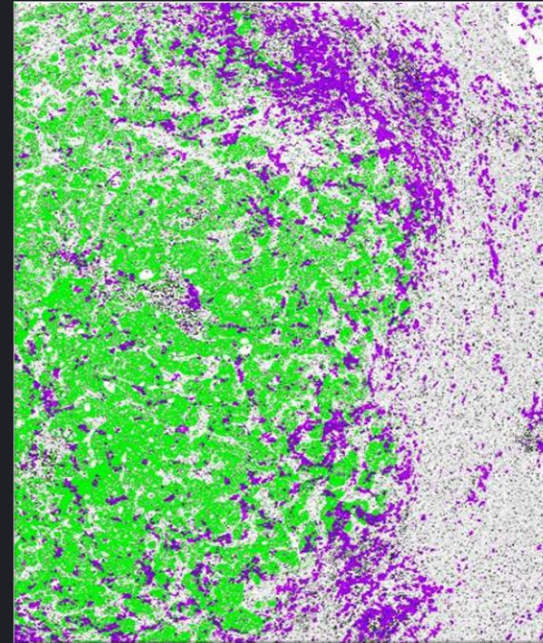
Activated T-cells and dendritic cells can't penetrate tumor

Sema4D is expressed at tumor margin



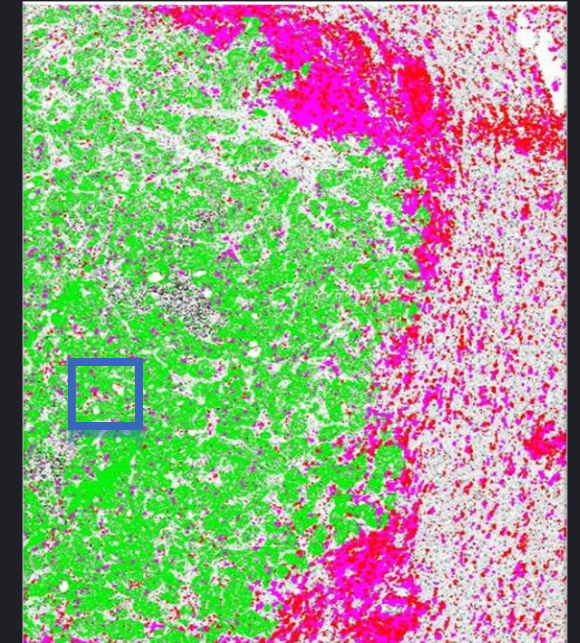
Tumor SEMA4D

Sema4D binds PLXN receptors on DCs and restricts penetration



Tumor Dendritic Cells (CD11c)

T-cells are excluded from tumor



Tumor CD8+ CD4+ T Cells

**Pro-inflammatory cells are excluded from tumor and build up at the invasive edge**

CD8 T cells align with Sema4D at the invasive edge of the tumor. Most of these excluded T-cells express Sema4D.



Dendritic Cells express receptors for SEMA4D and are heavily excluded at the invasive edge.

*Human metastatic colorectal tumor, in collaboration with Emory University (NCT03373188)*

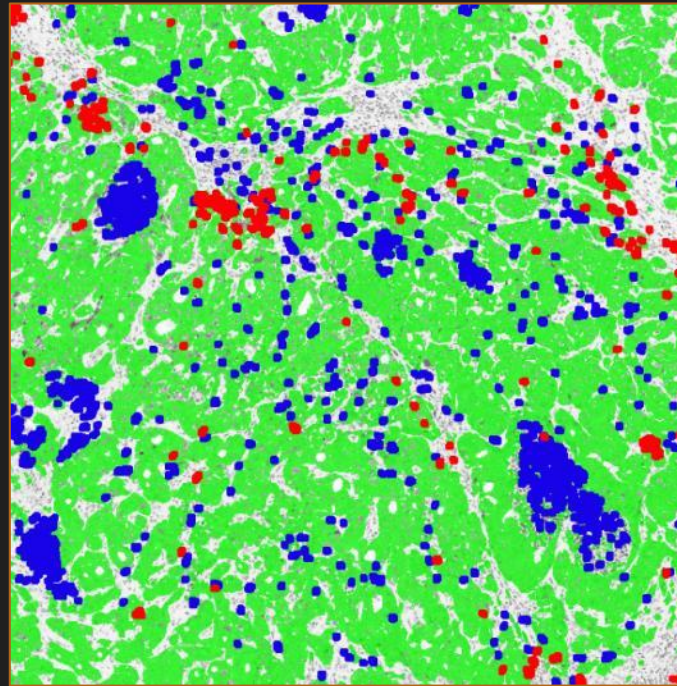


# IMMUNE BALANCE IN TUMOR MICROENVIRONMENT

Pepinemab:

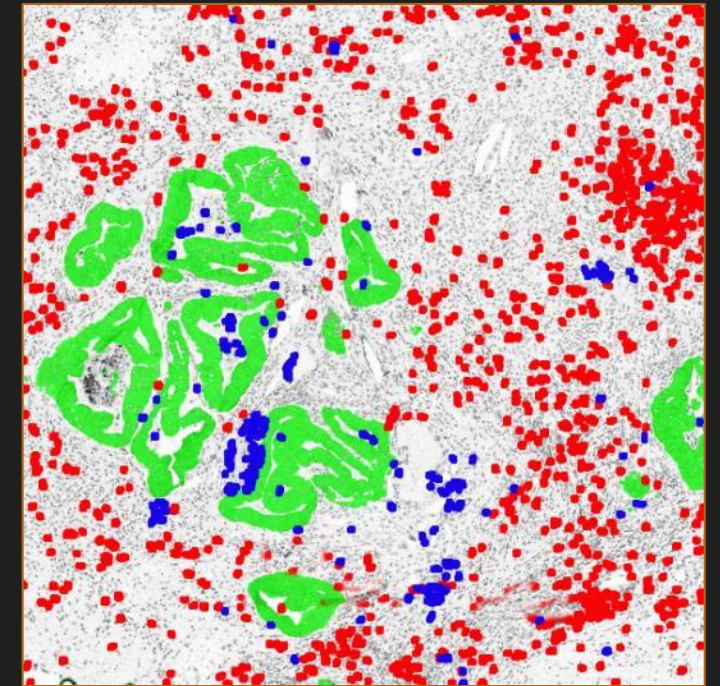
1. ↑ cytotoxic T cells 
2. ↓ inhibitory suppressor cells 

**No treatment**  
Low CD8+ T cells  
High Tumor content and MDSC



Myeloid Derived Suppressor Cells (MDSC)

**Pepinemab**  
High CD8+ T cells  
Low tumor content and MDSC



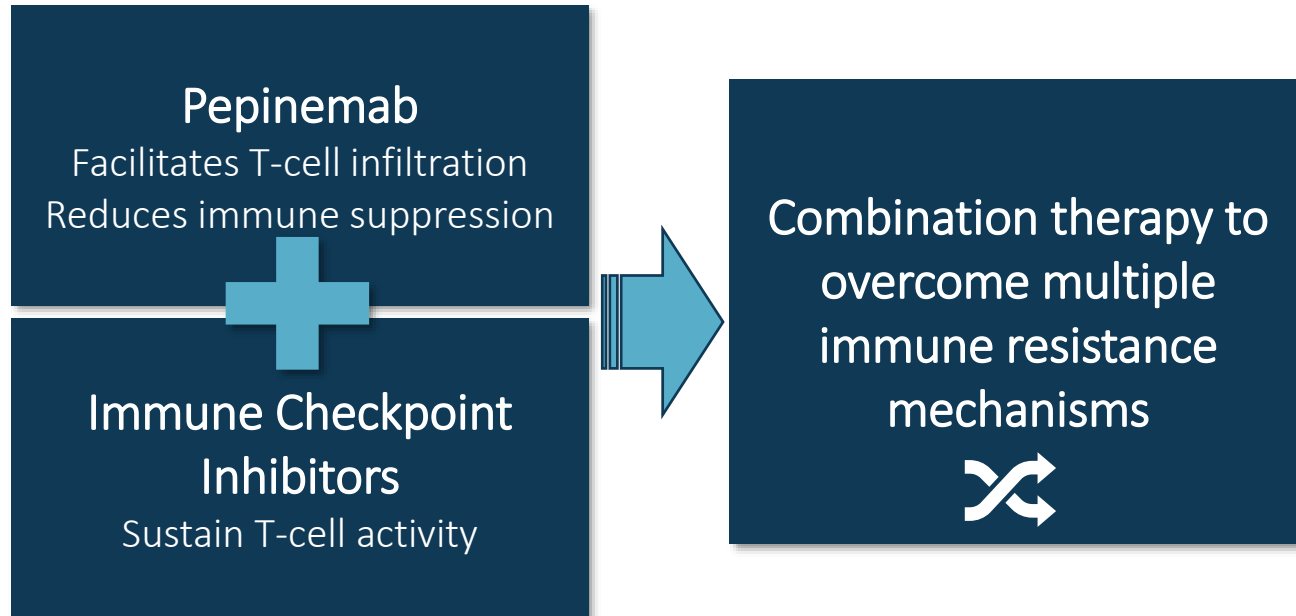
Tumor CD8+ T cells

**Biopsies from patients with metastatic MSS Colorectal Cancer**

*Human metastatic colorectal tumor, in collaboration with Winship Cancer Institute, Emory University integrated biomarker study (NCT03373188), Wu et al. Ann Surg Oncol. 2021*

# UNIQUE MECHANISM

Preclinical data suggests that pepinemab complements other immunotherapies



Research Article

Cancer Immunology Research

## Antibody Blockade of Semaphorin 4D Promotes Immune Infiltration into Tumor and Enhances Response to Other Immunomodulatory Therapies

Elizabeth E. Evans, Alan S. Jonason Jr, Holm Bussler, Sebold Torno, Janaki Veeraraghavan, Christine Reilly, Michael A. Doherty, Jennifer Seils, Laurie A. Winter, Crystal Mallow

Research Article

Cancer Immunology Research

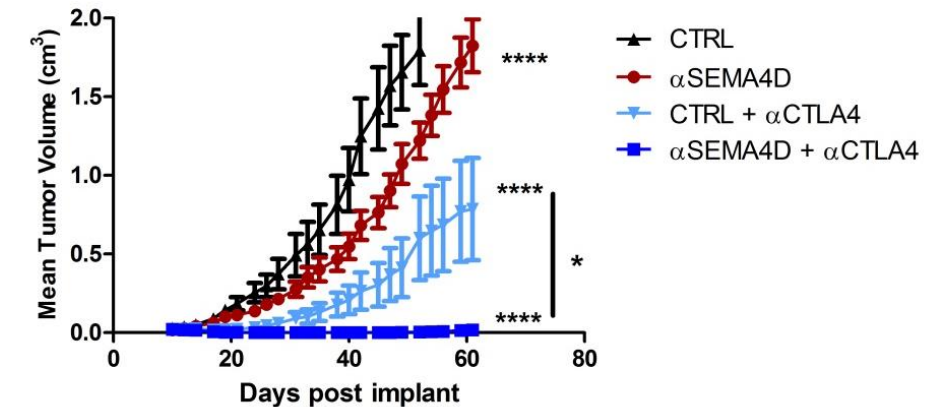
## Semaphorin4D Inhibition Improves Response to Immune-Checkpoint Blockade via Attenuation of MDSC Recruitment and Function

Paul E. Clavijo<sup>1</sup>, Jay Friedman<sup>1</sup>, Yvette Robbins<sup>1</sup>, Ellen C. Moore<sup>1</sup>, Ernest Smith<sup>2</sup>, Maurice Zauderer<sup>2</sup>, Elizabeth E. Evans<sup>2</sup>, and Clint T. Allen<sup>1,3</sup>



## Combination therapy: Preclinical Data

HNSCC tumor model (MOC<sub>1</sub>)



Data suggest that pepinemab complements other immune-activating therapies, including anti-PD1/L1, anti-CTLA-4, anti-LAG3, anti-TGF- $\beta$ , DC vaccine, etc



CLINICAL CANCER RESEARCH  
HIGHLIGHTS

Selected Articles from This Issue

**A Phase Ib/2 Study of Pepinemab in Combination with Avelumab in Advanced Non-Small Cell Lung Cancer** 

Michael Rahman Shafique<sup>1</sup>, Terrence Lee Fisher<sup>2</sup>, Elizabeth E. Evans<sup>2</sup>, John E. Leonard<sup>2</sup>, Desa Rae Electa Pastore<sup>2</sup>, Crystal L. Mallow<sup>2</sup>, Ernest Smith<sup>2</sup>, Vikas Mishra<sup>2</sup>, Andreas Schröder<sup>3</sup>, Kevin M. Chin<sup>4</sup>, Joseph Thaddeus Beck<sup>5</sup>, Megan Ann Baumgart<sup>6</sup>, Ramaswamy Govindan<sup>7</sup>, Nashat Y. Gabrail<sup>8</sup>, Alexander I. Spira<sup>9</sup>, Nagashree Seetharamu<sup>10</sup>, Yanyan Lou<sup>11</sup>, Aaron Scott Mansfield<sup>12</sup>, Rachel E. Sanborn<sup>13</sup>, Jonathan W. Goldman<sup>14</sup>, and Maurice Zauderer<sup>2</sup>

- Well tolerated.** Pepinemab does not appear to increase immune-related toxicities of partner drug, but data suggests increased penetration of cytotoxic T cells.
- Unmet Need: PD-L1 low/negative tumors**
  - Reported single agent anti-PDx: ORR ~10-15%
  - Combination with pepinemab: ORR 25-33%
- Unmet Need:** Antitumor activity observed in immune checkpoint resistant/refractory tumors

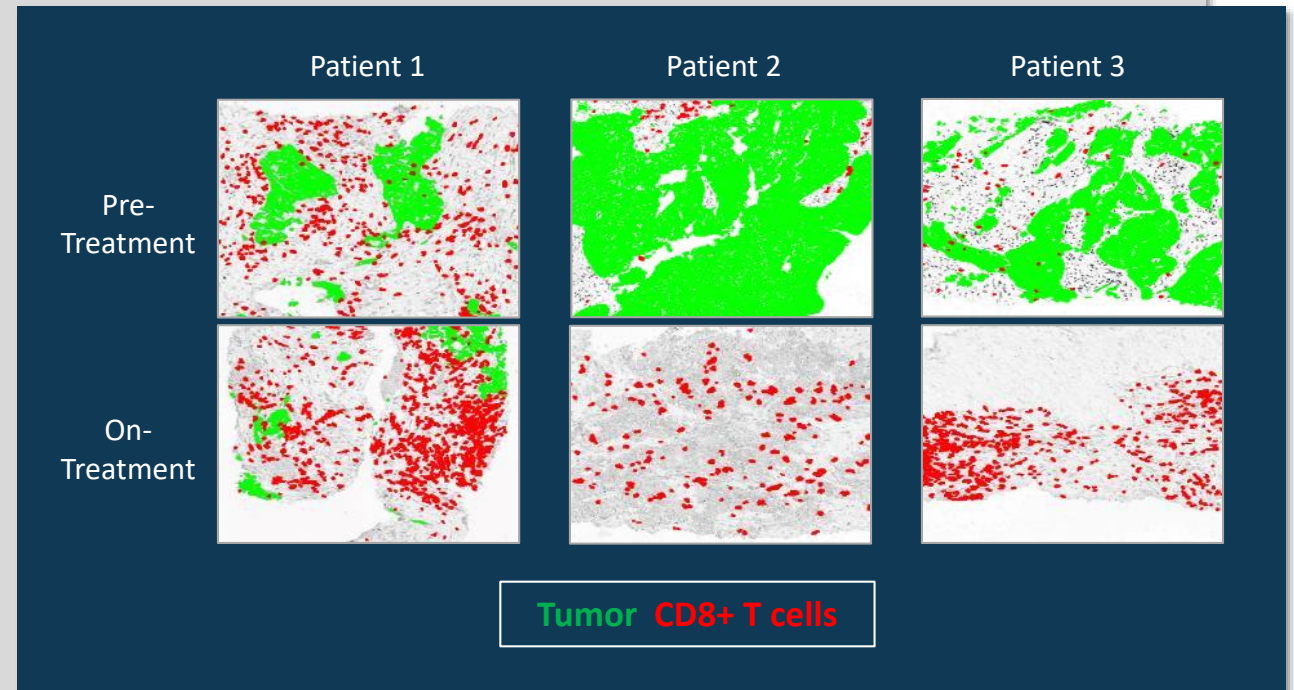
# CLINICAL POC

## Phase 1b/2 CLASSICAL-Lung

Sponsored by:



Co-funded by:



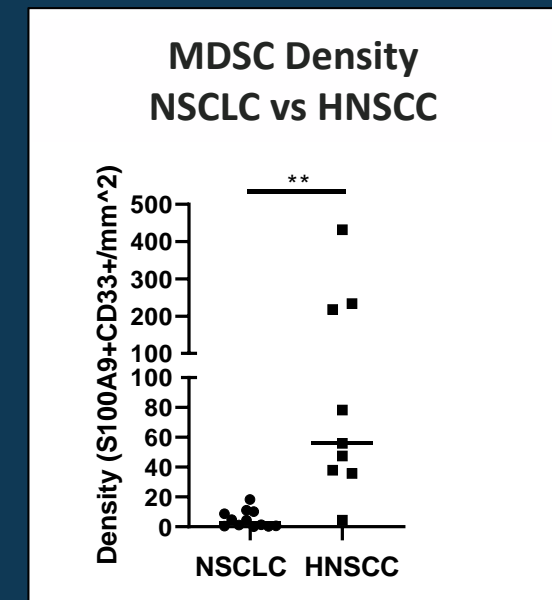
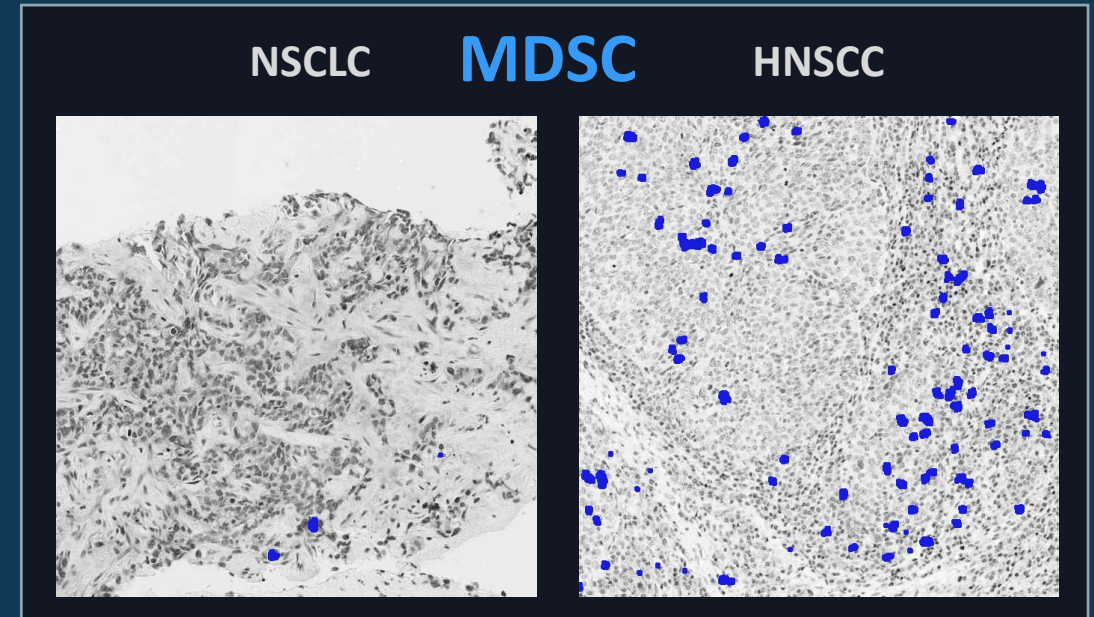
# RATIONALE FOR TREATMENT OF HNSCC

## Head and Neck cancer (HNSCC)

- Data suggest that SEMA4D is strongly expressed in HNSCC & induces high levels of myeloid derived suppressor cells (MDSC)
- Relatively low (17-19%) response rate to immune checkpoint therapy in HNSCC



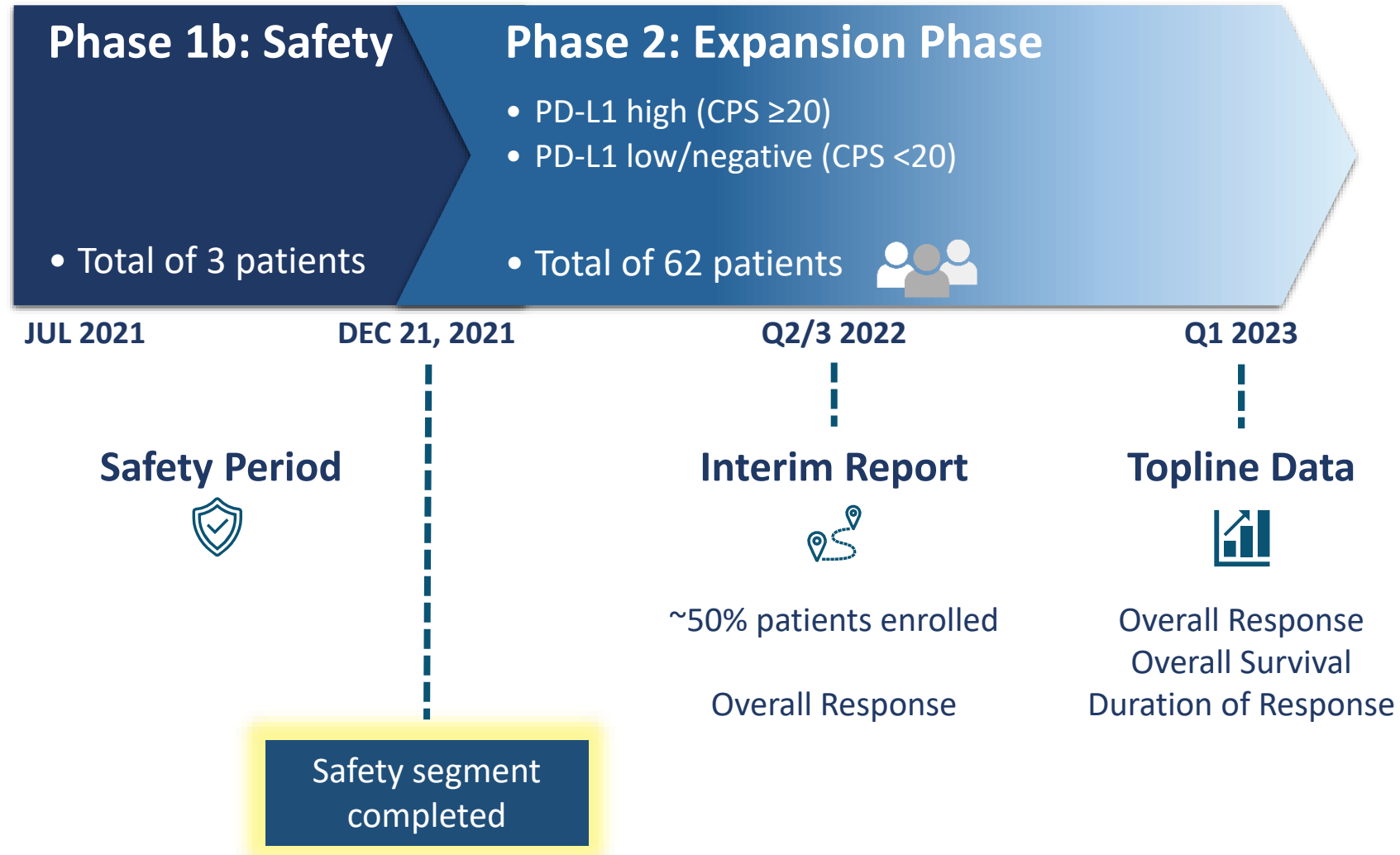
**Hypothesis:** Inhibiting MDSC with pepinemab may enhance response to pembrolizumab in HNSCC



# Head and Neck Cancer Trial

- All patients receive standard of care Keytruda<sup>®</sup>, plus Pepinemab for first-line treatment
- Safety Phase: **complete**
- 19 sites planned, USA
- Potential COVID-related delays
  - Mitigate by increased communication and providing sites with patient recruitment materials

## Keynote B84: Pepinemab + Keytruda<sup>®</sup> for first-line treatment of recurrent or metastatic head and neck cancer



# PEPINEMAB FOR IMMUNO-ONCOLOGY SUMMARY & NEXT STEPS



## Mechanism of Action

Preclinical data suggest:  
Facilitate infiltration of T cells  
and dendritic cells

Reduce immunosuppression



## Safety and Tolerability

**Well tolerated**

Does not appear to enhance  
immune-related toxicities of  
partner drug




## Observed Clinical Activity

**Reprogram** immune infiltrate  
in TME

Potential to overcome immune  
resistance in  
PD-L1 negative/low tumors  
and ICI resistant/refractory tumors



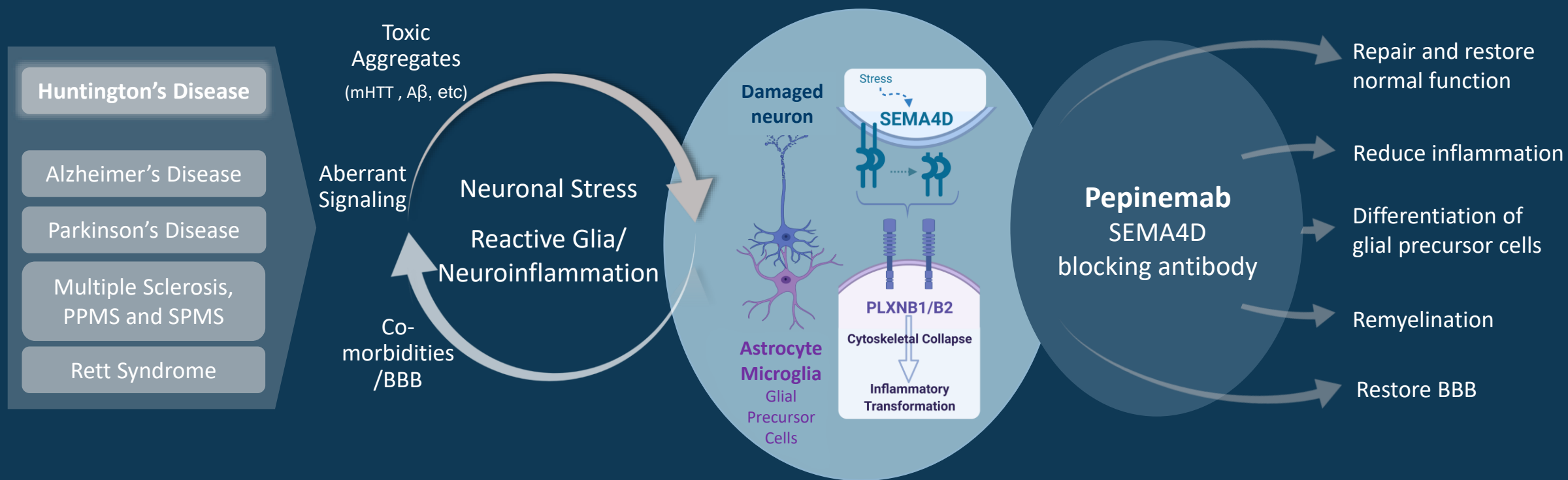
A large, dark blue-tinted microscopic image of brain tissue, showing various cellular structures and patterns, serving as a background for the title text.

# Pepinemab Antibody for treatment of Neurodegenerative Disease

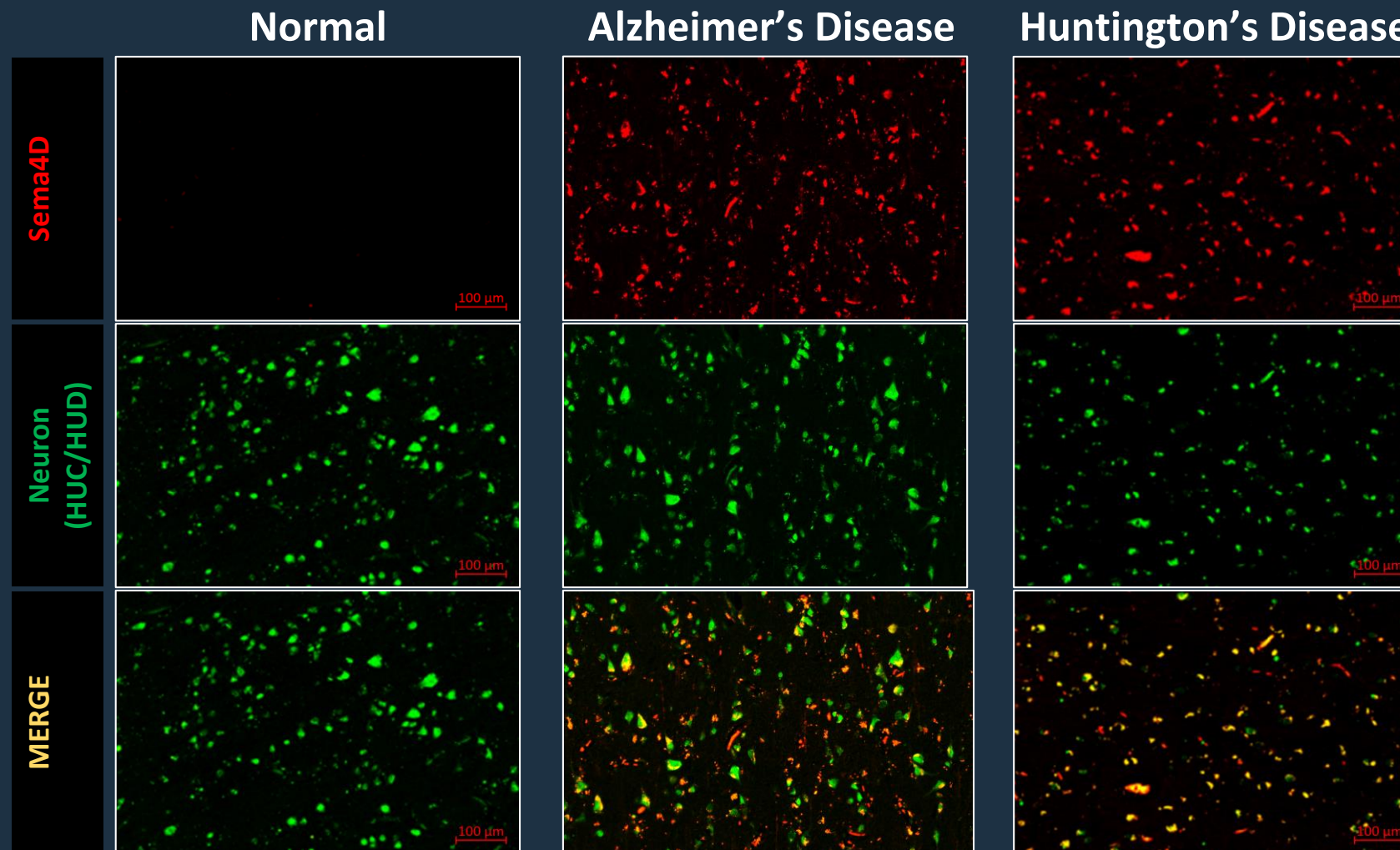
■ Unique Targets ■ Novel Mechanisms ■ New Medicines

# PROPOSED MECHANISM OF ACTION:

Preclinical and clinical evidence suggests pepinemab may reprogram underlying pathology in CNS diseases



# SEMA4D IS OBSERVED TO BE UPREGULATED IN NEURONS DURING UNDERLYING DISEASE PROGRESSION



Human autopsy sections  
of frontal lobe

# HUNTINGTON'S DISEASE



## Genetic Disease

HD is caused by dominant mutation in a single gene.



## Unmet need

No approved treatments to alter the course of Huntington's Disease.

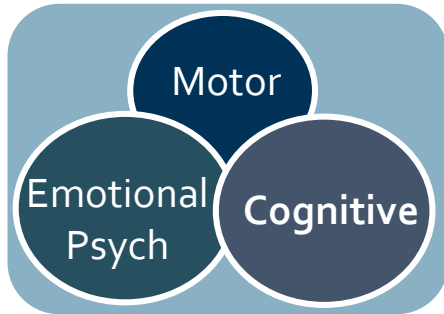


**~40,000 individuals**

with manifest disease in US

**>150,000 more**

at risk of inheriting mutation



## Symptoms

Cognitive impairment = most significant impact on daily life (FDA Voice of the Patient)

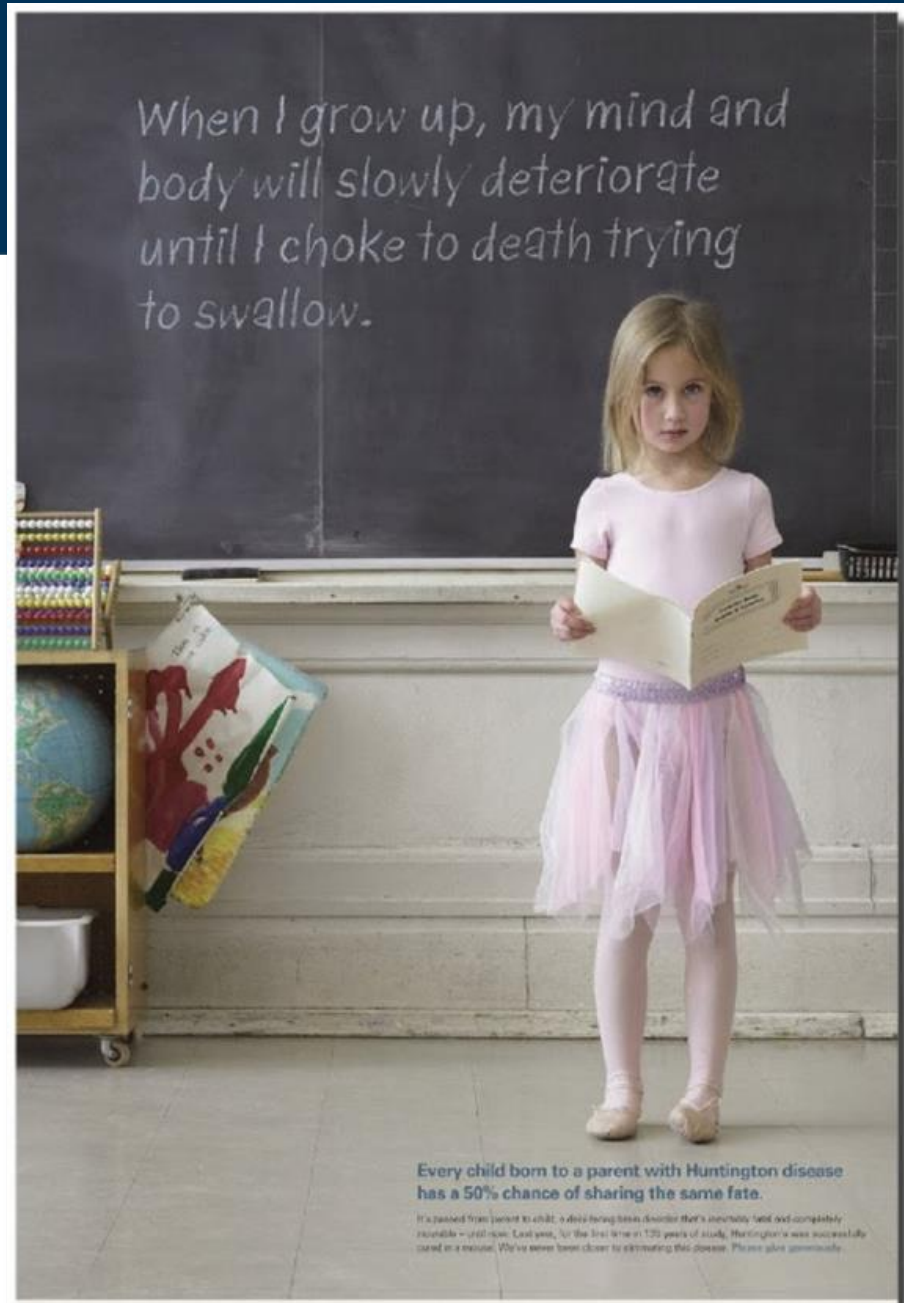
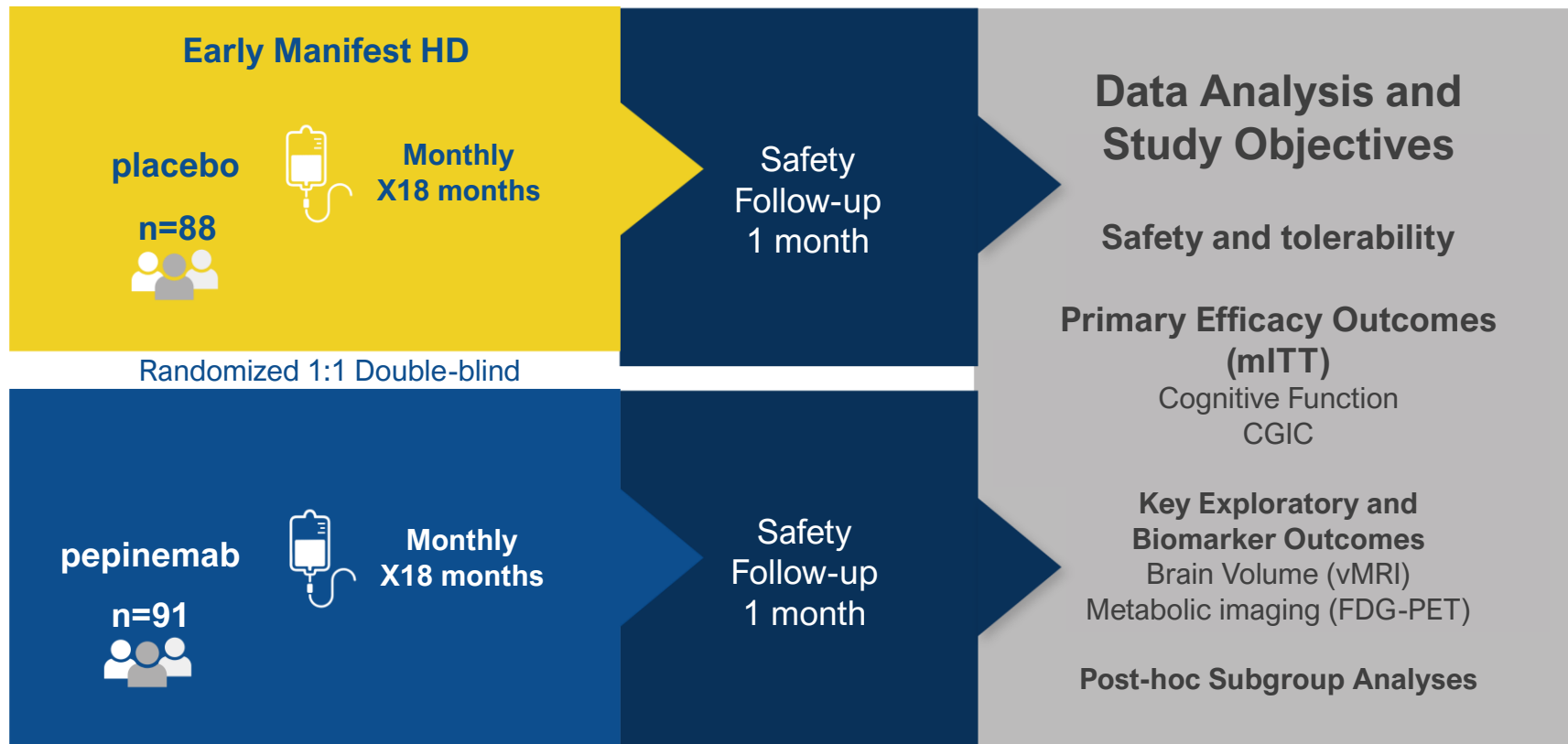


Photo credit: Huntington Society of Canada



# HUNTINGTON'S DISEASE

## Abbreviated Clinical Trial Design



# ABBREVIATED SAFETY AND BASELINE CHARACTERISTICS



mITT: Early Manifest HD

Pepinemab (PEPI)  
SEMA<sub>4</sub>D blocking  
antibody is well  
tolerated

Early Manifest HD	Placebo (n=88)	Pepinemab (n=91)
Discontinued Treatment Early	10	13
Had any SAE (*)	8	4
Had any Grade 3+ AE (*)	14	17
CAG repeat length	44.1	43.5
CAP score**	470	466
UHDRS-DCL at screening DCL-4, Unequivocal HD (>99% confident)	88 (100%)	91 (100%)
UHDRS-TFC at screening, n (%)		
11	33 (38%)	29 (32%)
12-13	55 (62%)	61 (68%)
MoCA score, mean (SE)	26.02 (2.04)	26.14 (2.30)
MoCA <26 subgroup	23.97 (0.94)	23.78 (1.07)
MoCA ≥26 subgroup	27.44 (1.21)	27.72 (1.34)

\*pre-COVID era;

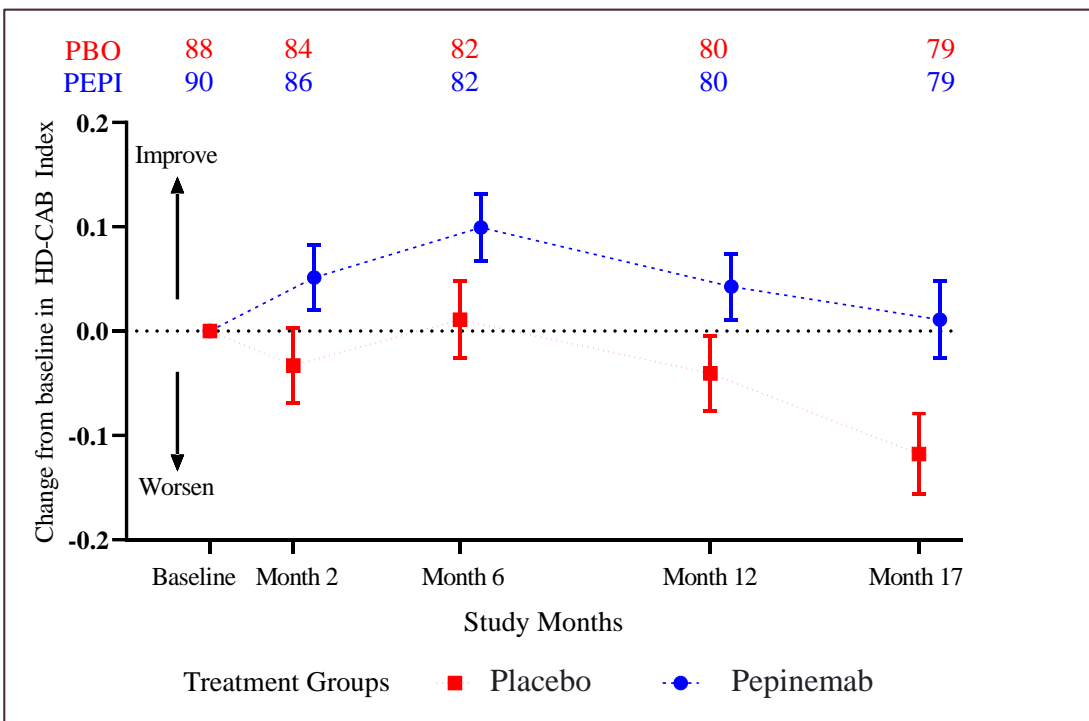
\*\*CAP score = age × (CAG repeat length – 33.66)

# COGNITIVE ASSESSMENT BATTERY (HD-CAB)

mITT Co-Primary and pre-specified Exploratory analysis



## HD-CAB Composite Index of 6 Cognitive Assessments



## HD-CAB Composite Index: Pre-specified Exploratory

LS Mean Difference Estimate (95% CI)	One-sided p-value	Favors Pepinemab	Critical value
0.13 (0.03, 0.23)	<b>0.007</b>	Yes	Yes [0.025]

## Two-item HD Cognitive Assessment: Pre-specified Co-Primary

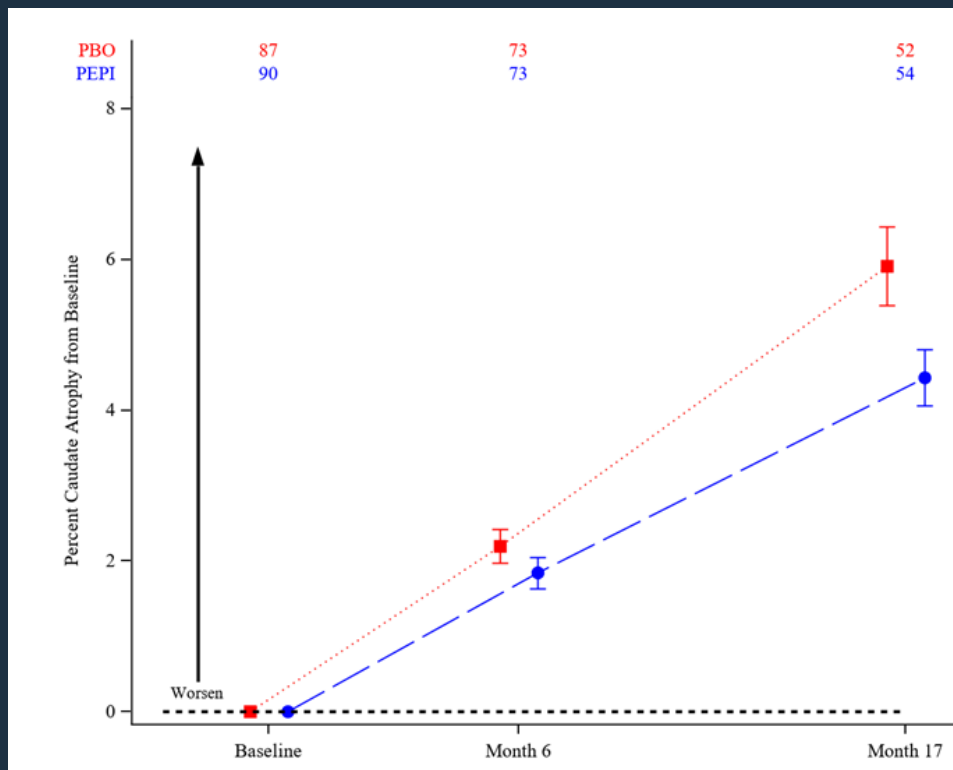
LS Mean Difference Estimate (95% CI)	One-sided p-value	Favors Pepinemab	Critical value
<b>OTS:</b> -1.98 (-4.00, 0.05)	<b>0.028</b>	Yes	No [0.025]
<b>PTAP:</b> 1.43 (-0.37, 3.23)	<b>0.060</b>		

# PEPINEMAB APPEARS TO REDUCE BRAIN ATROPHY

Volumetric MRI– Boundary Shift Integral Analysis (BSI)

Pre-specified Exploratory Endpoint

## CBSI (caudate atrophy)

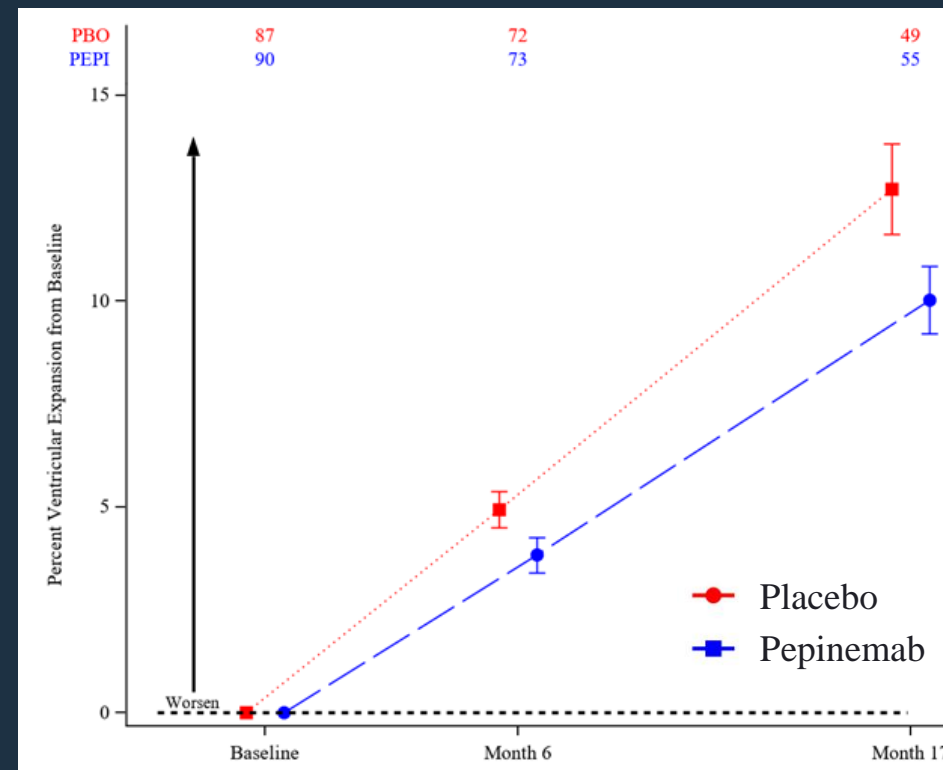


LS Mean Difference Estimate (95% CI):

CBSI: -1.54 (-2.79, -0.29);

**p = 0.017**

## VBSI (ventricular expansion)



VBSI: -2.47 (-5.04, 0.10);

**p = 0.060**



# FDG-PET CORRELATES WITH COGNITIVE FUNCTION



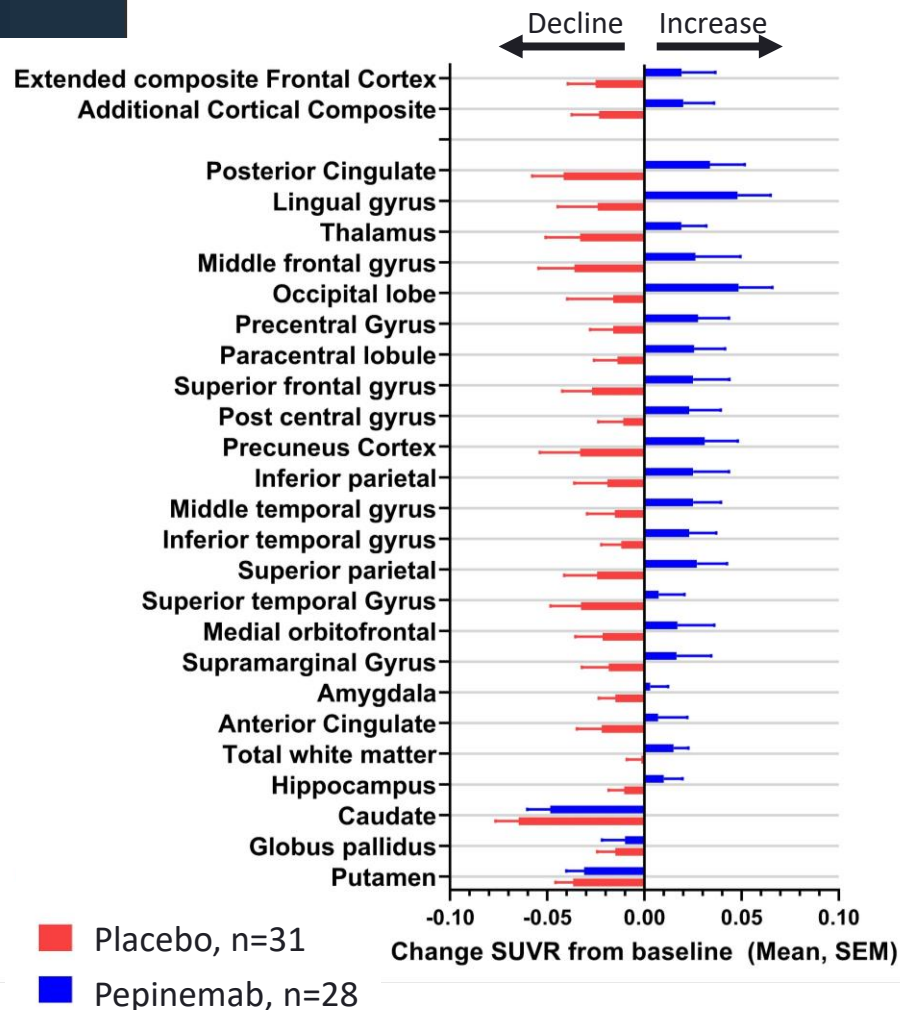
Pre-specified Exploratory Endpoint

FDG-PET measures brain metabolic activity.

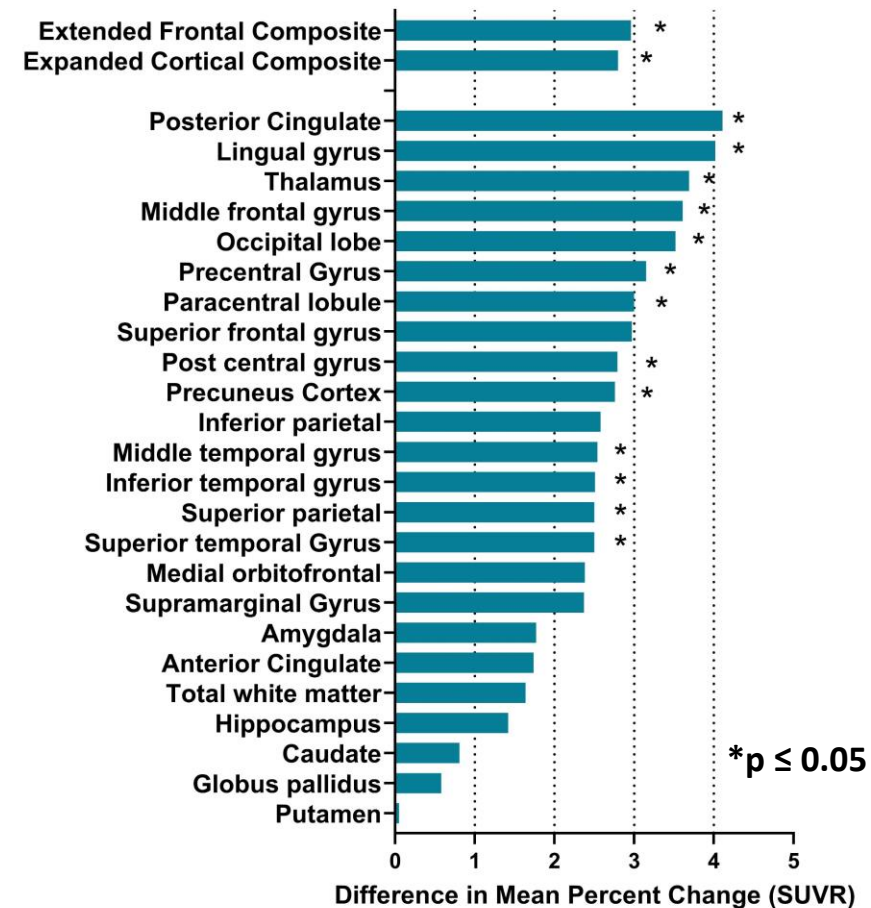
Decline in FDG-PET is reported to correlate with cognitive impairment in neurodegenerative diseases.

Pepinemab treatment appears to reverse loss of metabolic activity.

Change in FDG-PET at Month 18



Difference (PEPI-PBO) at Month 18



SUVR = standardized uptake value ratio

# SIGNAL Phase 2 Trial



## Summary, Lessons Learned, Next Steps

Orphan Disease and Fast Track Designations



### Proposed Mechanism of Action

Preclinical data suggests reduced neuroinflammation and restoration of normal glia function

### Safety and Tolerability

**Well tolerated**  
Intravenous administration

### Clinical Activity

Prespecified primary endpoints were not significant  
Evidence suggests potential cognitive benefit: HD-CAB, Apathy, FDG-PET  
Greatest benefit from treatment was detected in patients with signs of mildly advanced disease  
Reduced brain atrophy observed

### Target Engagement

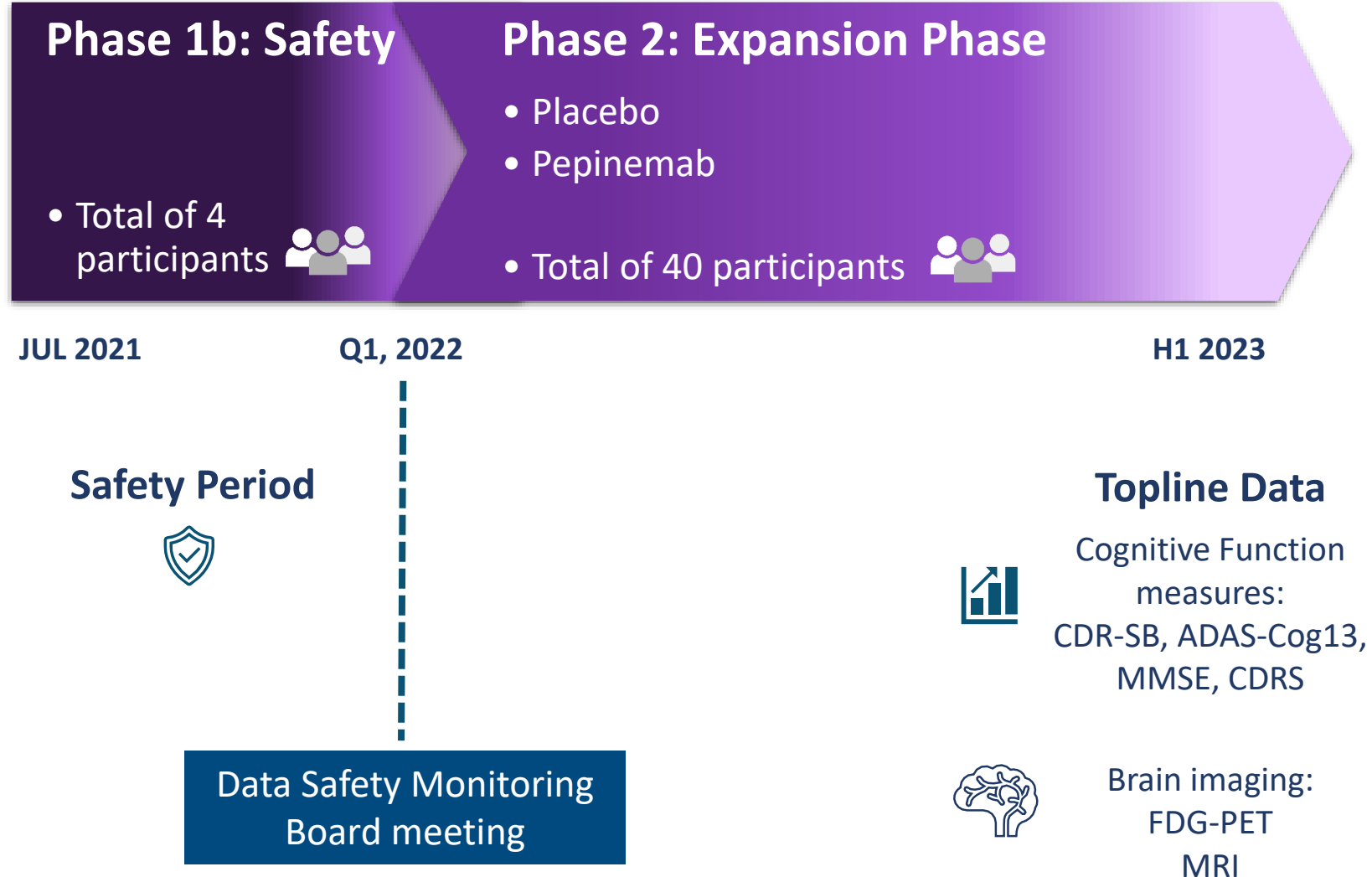
Confirmed penetration into CNS at expected level  
Antigen-antibody complexes detected









Continued clinical development in Huntington's Disease  
Initiated phase 1/2a trial in Alzheimer's Disease

# Alzheimer's Disease Trial

- Participants receive Pepi OR Placebo
- Safety Phase: 3/4 enrolled
- 10/14 sites open
- Protocol and COVID-related delays
  - amend inclusion criteria
  - increased communication and provided sites with patient recruitment materials
- Double-blind, placebo-controlled study



# PIPELINE and MILESTONES

Research/Preclinical	Phase 1	Phase 2	Phase 3	Partner/Funding	Milestone
<b>Pepinemab Antibody Platform (anti-Semaphorin 4D Mab)</b>					
<b>Oncology</b>					
Pepinemab COMBO with Avelumab in <b>Non Small Cell Lung Cancer</b>			CLASSICAL-Lung	 Merck, KGaA Darmstadt	Complete, Published 2021
Pepinemab COMBO with Pembrolizumab in <b>Head and Neck Cancer</b>			KEYNOTE B84	 Merck, MSD	Ongoing <b>Data H2 2022</b>
<b>Neurology</b>					
Pepinemab in <b>Huntington's Disease</b> (Orphan Drug and Fast Track Designations)				  Alzheimer's Drug Discovery Foundation	Complete, <b>Publish H1 2022</b>
Pepinemab in <b>Alzheimer's Disease</b>					Ongoing <b>Data Q1 2023</b>

All Studies Sponsored by:



# ACHIEVEMENTS AND MILESTONES



Publish Clinical Data for SIGNAL study in Huntington's Disease	<b>H1 2022</b>
Publish Preclinical Data in Rett Syndrome, an orphan disease	August, 2021
Publish Clinical Data for Pepinemab in Combination with Avelumab in NSCLC Clinical Cancer Research, <a href="https://clincancerres.aacrjournals.org/content/27/13/3505">https://clincancerres.aacrjournals.org/content/27/13/3505</a>	April, 2021
Enrollment of first patient for phase 2 study of Pepinemab in Combination with Keytruda® in front line Head & Neck Cancer <b>Expect interim data</b>	Q2 2021 <b>H2-2022</b>
Enrollment of first patient in Alzheimer's disease phase 1b/2a study <b>Expect topline data from randomized, double-blind, placebo-controlled study</b>	Q2 2021 <b>H1 2023</b>

**Currently exploring pharma collaborations**



**INCORPORATED**  
2001



**HEADQUARTERS**  
Rochester, NY



**EMPLOYEES**  
39



**IPO NASDAQ VCNX**  
August 2018



**FEBUARY 2021 CAPITAL RAISE**  
\$32 M



**CASH BALANCE\***  
\$13.8 M



**SHARES OUTSTANDING\***  
\$30.8 M



**ANALYSTS**  
BTIG (T.Shrader)

Vaccinex, Inc. (Nasdaq: VCNX) is a publicly traded clinical-stage biotechnology company engaged in the discovery and development of targeted biotherapeutics to treat serious diseases with unmet medical needs, including cancer and neurodegenerative diseases.

\*as of 30SEP2021



# Vaccinex Leadership Team

**Maurice Zauderer, Ph.D.**

**Founder, President and Chief Executive Officer.** Formerly, Professor at University of Rochester and at Columbia University.

**Scott E. Royer, CFA, MBA**

**Chief Financial Officer.** Formerly, Chief Financial Officer and Director of Finance of the Medical Films Group of Carestream Health, a medical and dental imaging company and an independent subsidiary of Onex Corporation, a Canadian publicly traded private equity investment firm. Mr. Royer earned an Executive MBA from Villanova University, and is a credentialed Chartered Financial Analyst (CFA)

**Ernest S. Smith, Ph.D.**

**Chief Scientific Officer and Senior Vice President, Research.** Dr. Smith received a Ph.D. in Immunology from the University of Rochester. Dr. Smith has held several leadership roles at Vaccinex since 2001 and holds several patents, including ActivMab<sup>®</sup> technology and Semaphorin 4D/pepinemab.

**Elizabeth E. Evans, Ph.D.**

**Chief Operating Officer and Senior Vice President, Discovery and Translational Medicine.** Dr. Evans received an M.S. in Immunology and a Ph.D. in Pathology from the University of Rochester. Dr. Evans has held several leadership roles at Vaccinex since 2001 and holds several patents on SEMA4D/pepinemab.

**John E. Leonard, Ph.D.**

**Senior Vice President, Development.** Formerly Vice President, Program Executive of Biogen Idec, Inc., a publicly traded biotechnology company. Dr. Leonard received a Ph.D. in Biochemistry from the University of California, Riverside

A large, dark blue background image with a microscopic or cellular texture, showing various irregular shapes and patterns in shades of blue and white, suggesting biological or scientific imagery.

# Appendix

■ Unique Targets ■ Novel Mechanisms ■ New Medicines



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**Ernest Smith, PhD**  
**CSO**  
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# Vaccinex Scientific Advisors - Neurology

## **Eric Siemers, MD**

President of Siemers Integration LLC. Distinguished medical fellow for Eli Lilly and Company's Alzheimer's Disease Global Development Team, founded and headed the Indiana University Movement Disorder Clinic. Served on the Board of Directors of the American Society of Experimental Neurotherapeutics, as founding member and Chair of the Alzheimer's Association Research Roundtable, and Steering Committee member for the Alzheimer's Disease Neuroimaging Initiative (ADNI).

## **Karl D. Kieburtz, MD, MPH**

President of Clintrex LLC, providing services regarding research and regulatory strategy for therapeutic development of interventions for brain disorders. Chair of the FDA Peripheral and Central Nervous System Drugs Advisory Committee and sits on the American Academy of Neurology (AAN) Clinical Research Subcommittee, the International Executive Committee of the Movement Disorders Society (MDS), the Board of Directors for the American Society for Experimental Neuro Therapeutics (ASENT), and the Council of the American Neurological Association (ANA), chair of the FDA Peripheral and Central Nervous System Drugs Advisory Committee.

## **Ira Shoulson, MD**

Dr. Shoulson is a long time leader in Huntington's disease research. From 2011 to July 2018, Dr Shoulson was Professor of Neurology, Pharmacology and Human Science and Director of the Program for Regulatory Science and Medicine (PRSM) at Georgetown University where he was principal investigator of the FDA-Georgetown University Collaborating Center of Excellence in Regulatory Science and Innovation. From 1990 to 2011, Dr Shoulson was the Louis C. Lasagna Professor of Experimental Therapeutics and Professor of Neurology, Pharmacology and Medicine at the University of Rochester School of Medicine & Dentistry in Rochester, New York. Dr. Shoulson is an elected member of the National Academy of Medicine of the National Academy of Sciences.

## **Ralf Reilmann, MD**

Founding Director and C.E.O. of the George-Huntington-Institute, Dept. of Radiology at the University of Muenster and the Dept. of Neurodegeneration and Hertie Institute for Clinical Brain Research at the University of Tuebingen.



# Vaccinex Scientific Advisors - HNSCC Clinical Advisory Board

**Barbara Burtness,  
MD**

Professor of Medicine (Medical Oncology) at Yale, leader of the Disease Aligned Research Team for the Head and Neck Cancers Program and Co-Leader of the Developmental Therapeutics Research Program at Yale Cancer Center. Chair of ECOG-ACRIN Head and Neck Therapeutics Committee, served on the NCCN and SITC Head and Neck Guidelines Committee, and the NCI Head and Neck Cancer Steering Committee. Co-chair of the NCI Clinical Trials Planning Meeting on TP53-Mutated Head and Neck Cancer and FDA Project 2025 for Head and Neck. Founding Director of the Yale Head and Neck Cancer SPORE and has led numerous clinical trials, including the international phase III trial which led to regulatory approval of immunotherapy in first-line treatment of head and neck cancer.

**Robert Haddad, MD**

Chief, Division of Head and Neck Oncology. McGraw Chair, Head and Neck Oncology, Dana-Farber Cancer Institute. Professor, Medicine, Harvard Medical School.

**Douglas Adkins, MD**

Professor, Department of Medicine, Oncology Division, Medical Oncology, Washington University School of Medicine in St. Louis. NCI Head and Neck Steering Committee and Metastatic and Recurrent Head & Neck Cancer Task Force

**Nabil Saba, MD**

Director of the Head and Neck Cancer Medical Oncology Program at Winship Cancer Institute of Emory University, Professor and Vice Chair for Quality and Safety in the Department of Hematology and Medical Oncology and holds a joint appointment as Professor in the Department of Otolaryngology at Emory University School of Medicine. Chair of the National Cancer Institute's task force for recurrent metastatic head and neck cancer and Chair of the Rare Tumors Task Force of the National Cancer Institute's Head and Neck Cancer Steering Committee. Member of the NRG Oncology and Eastern Cooperative Oncology Group (ECOG) Head and Neck Cancer Core Committees, the ASCO clinical guidelines committee, and the ASCO Head and Neck Guideline Advisory Group.

## Vaccinex Board of Directors

<b>Albert D. Friedberg</b>	Chairman, President and CEO of Friedberg Mercantile Group, a Toronto-based commodities and investment management firm he founded in 1971. He served as Chairman of the Toronto Futures Exchange from March 1985 to June 1988.
<b>Chrystyna M. Bedrij</b>	Co-Founder and Principal, Griffin Securities
<b>Jacob B. Frieberg</b>	Principal, The WTF Group.
<b>J. Jeffrey Goater</b>	CEO of Surface Oncology, Formerly, CFO of Voyager Therapeutics.
<b>Bala S. Manian, Ph.D.</b>	Founder (or co-founder) of Quantum Dot Corporation, SurroMed, Biometric Imaging, LumisysInc., Molecular Dynamics and ReaMetrix.
<b>Gerald E. Van Strydonck</b>	Formerly, Managing Partner at PricewaterhouseCoopers.
<b>Barbara Yanni</b>	Formerly, Vice President and Chief Licensing Officer at Merck & Co., Inc.
<b>Maurice Zauderer, Ph.D.</b>	Vaccinex Founder, President and Chief Executive Officer. Formerly, Professor at University of Rochester and at Columbia University.

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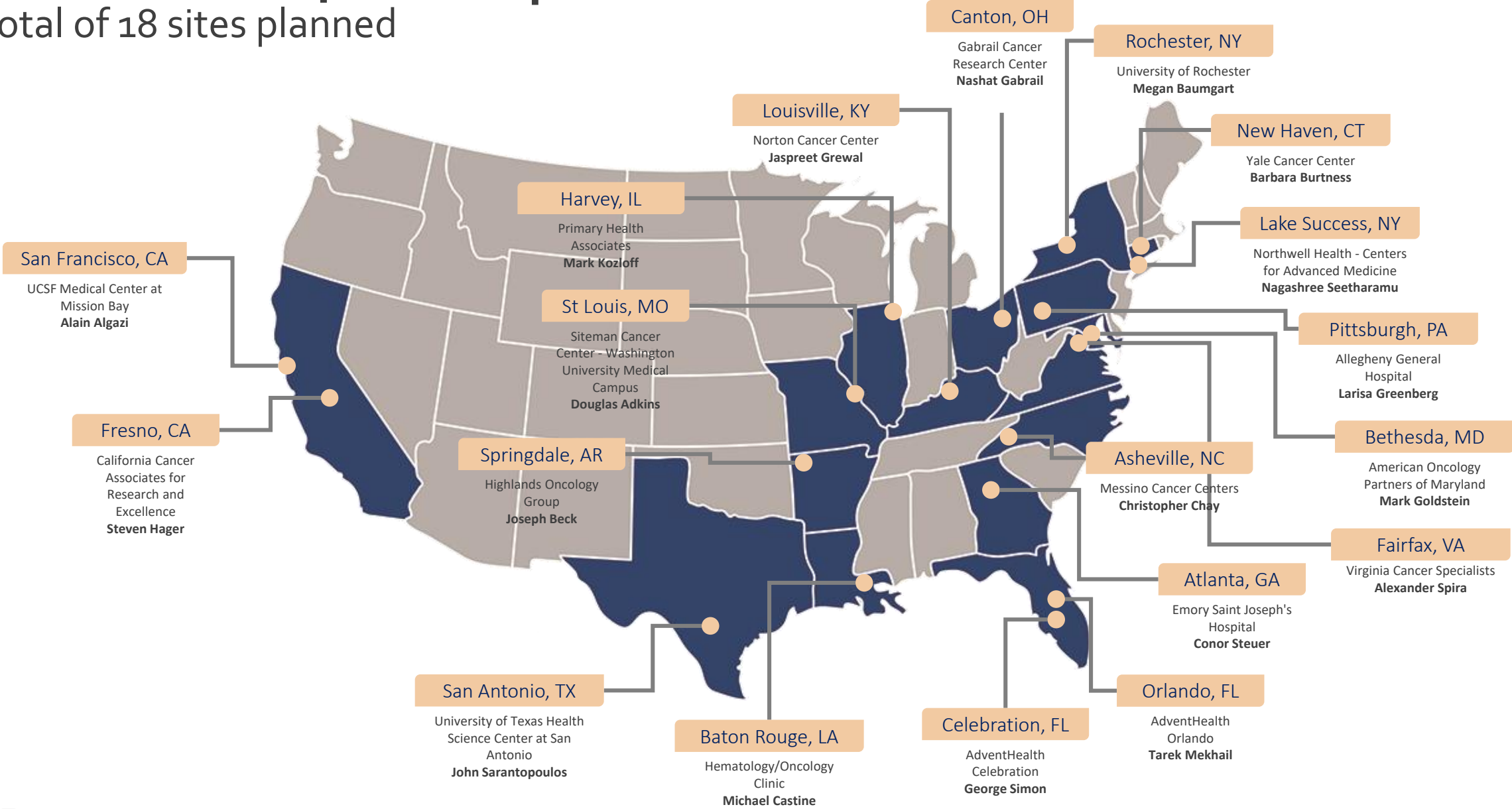
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# KEYNOTE B84 Site Map

Total of 18 sites planned



# Signal-AD Site Map

