

MARCH 15, 2023

# CP-RND: AN INTRODUCTION TO THE PATIENT COMMUNITY

An opportunity to share an overview of CP-RND and gain insight from the patient community.



[c-path.org/cp-rnd](https://c-path.org/cp-rnd)



# WELCOME & HOUSEKEEPING

Welcome to the Critical Path for Rare Neurodegenerative Diseases patient engagement webinar. A few housekeeping items before we get started:

## Q&A

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Place all questions in the Q&A Chat box.

Send questions to “All Panelists” to ensure they are seen.

## LINES ARE MUTED

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All participant lines are muted to reduce background noise.

## RECORDING

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This presentation is being recorded and will be made available on the C-Path YouTube channel.

## CONTACT INFO

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[CP-RND@c-path.org](mailto:CP-RND@c-path.org) for more information or questions following the webinar.

# AGENDA

**This webinar is an opportunity to share an overview of CP-RND and gain insight from the patient community**

Time	Topic	Speaker(s)
9:30 - 9:40 am	Welcome/Opening Remarks	Jacqueline Corrigan-Curay (FDA) Klaus Romero (C-Path)
9:40 – 10:00 am	CP-RND Overview	Collin Hovinga (C-Path)
10:00 – 11:00 am	Panel Discussion/Q&A	Patient Advocacy/FDA/C-Path/NIH
11:00 – 11:15 am	Closing Remarks	Collin Hovinga (C-Path)



**JACQUELINE CORRIGAN-CURAY, JD, MD**

Principal Deputy Center Director,  
CDER, FDA



**KLAUS ROMERO, MD, MS, FCCP**

Chief Science Officer; Executive  
Director of Clinical Pharmacology,  
Critical Path Institute








# COLLIN HOVINGA, PHARM.D, MS, FCCP

Vice President, Rare and Orphan  
Disease Program, C-Path

Dr. Hovinga oversees C-Path's Rare Disease Cures Accelerator-Data and Analytics Platform and its Critical Path for Rare Neurodegenerative Diseases public-private partnership.



# CP-RND OVERVIEW

-  Introduction to Critical Path Institute (C-Path)
-  Overview of Critical Path for Rare Neurodegenerative Diseases (CP-RND)
-  Discuss Next steps and mechanisms for involvement



# OVERVIEW OF C-PATH



## Mission

**Accelerating the path to a healthier world.** C-Path builds solutions that remove bottlenecks in the drug development process.

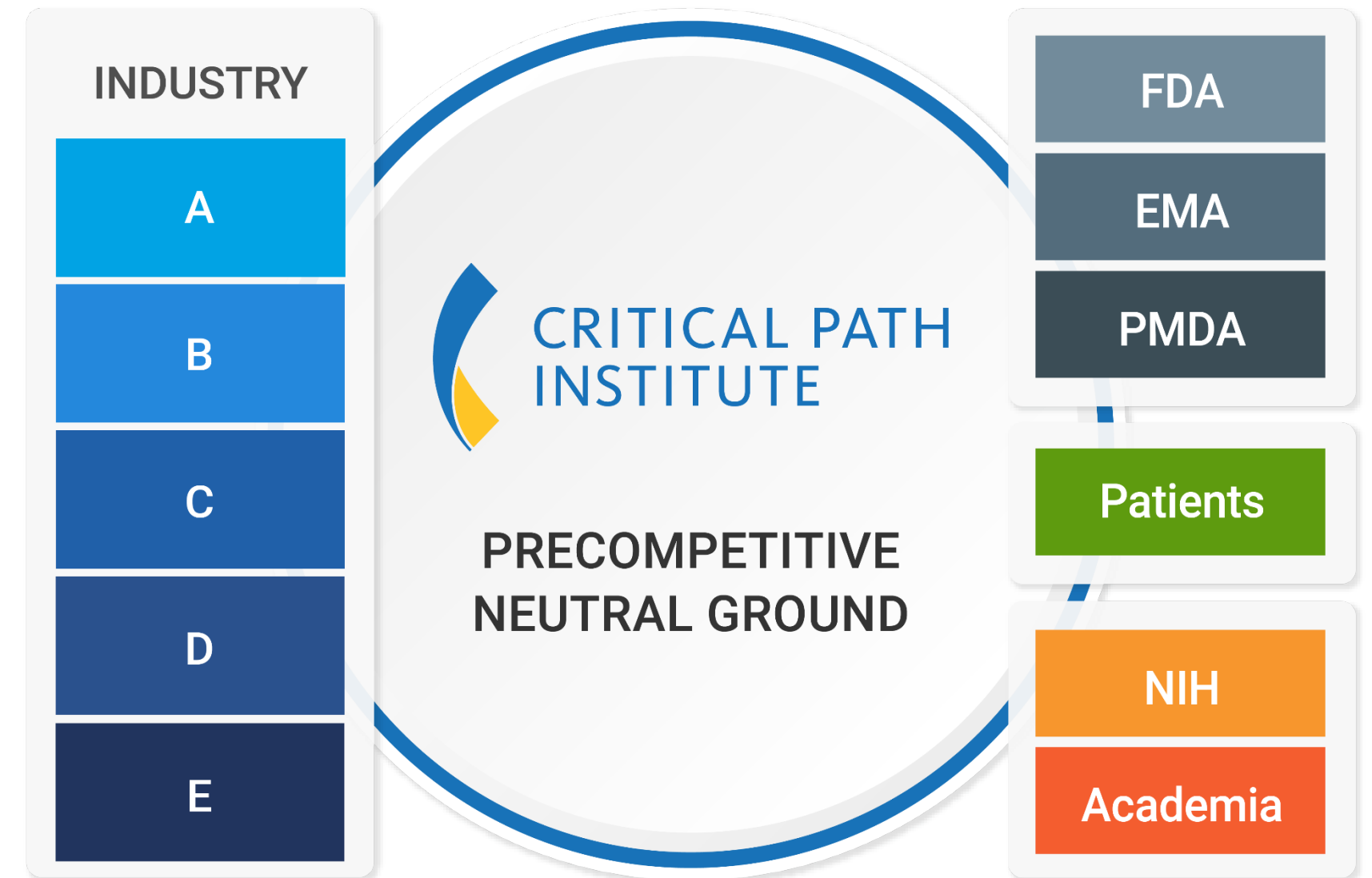


## Vision

Critical Path Institute removes competitive blocks in the medical product development process. **This makes C-Path an indispensable partner for researchers, patients and regulators.** Our role as a neutral convener in the medical and scientific industry accelerates therapies for patients in need.

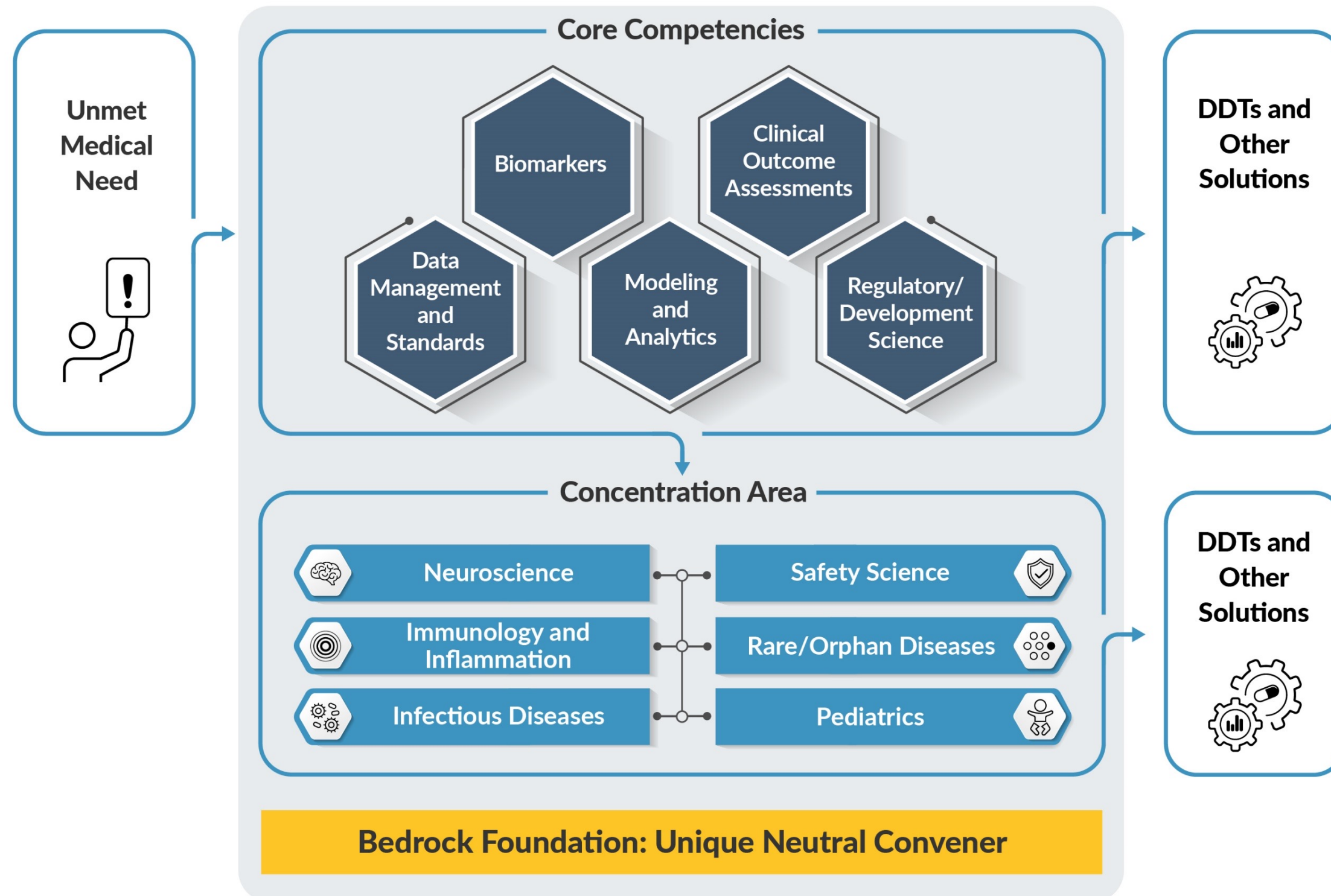
# C-PATH, A PRECOMPETITIVE NEUTRAL CONVENER

- Act as a trusted, neutral third party
- Public-Private Partnerships
- Convene scientific consortia of patients, industry, academia, and government for sharing of data and expertise
  - ✓ The best science
  - ✓ The broadest experience
  - ✓ Active consensus building
  - ✓ Shared risk and costs
- Enable iterative EMA/FDA/PMDA participation in developing new methods to aid in the assessment the safety and efficacy of medical products
- Official regulatory endorsement of novel methodologies and drug development tools (DDTs)





# CORE COMPETENCIES & CONCENTRATION AREAS



# ACTIVE C-PATH CONSORTIA/PROGRAMS

## Active Consortia/Programs

<b>BmDR</b>	Biomarker Data Repository	<b>ERA4TB</b>	European Regimen Accelerator for Tuberculosis*	<b>RD-COAC</b>	Rare Disease Clinical Outcome Assessment Consortium
<b>CDRC</b>	Cure Drug Repurposing Collaboratory	<b>HD-RSC</b>	Huntington's Disease Regulatory Science Consortium	<b>T1D</b>	Type 1 Diabetes Consortium
<b>CPAD</b>	Critical Path for Alzheimer's Disease	<b>INC</b>	International Neonatal Consortium	<b>TOMI-T1D</b>	Trial Outcome Markers Initiative in T1D Consortium
<b>CPP</b>	Critical Path for Parkinson's Disease	<b>MSOAC</b>	Multiple Sclerosis Outcome Assessment Consortium	<b>TTC</b>	Transplant Therapeutics Consortium
<b>CPTA</b>	Critical Path to Therapeutics for the Ataxias	<b>PKDOC</b>	Polycystic Kidney Disease Outcomes Consortium	<b>TRxA</b>	Translational Therapeutics Accelerator
<b>CPTR</b>	Critical Path to TB Drug Regimens	<b>PredicTox KE</b>	PredicTox Knowledge Environment	<b>UNITE4TB</b>	Worldwide Accelerator for Tuberculosis*
<b>CP-SCD</b>	Critical Path for Sickle Cell Disease	<b>PRO Consortium</b>	Patient-Reported Outcome Consortium	<b>CP-RND</b>	Critical Path for rare neurodegenerative diseases
<b>DCC</b>	Data Collaboration Center	<b>PSTC</b>	Predictive Safety Testing Consortium	<b>CPA-1</b>	Critical Path for Alpha-1 antitrypsin deficiency (pre-consortium)
<b>D-RSC</b>	Duchenne Regulatory Science Consortium	<b>QuantMed</b>	Quantitative Medicine	<b>CPLD</b>	Critical Path for Lysosomal Disorders (pre-consortium)
<b>eCOA Consortium</b>	Electronic Clinical Outcome Assessment Consortium	<b>RDCA-DAP</b>	Rare Disease Cures Accelerator- Data and Analytics Platform		

# EXAMPLES, A SUCCESS STORY - REGULATORY FIRSTS

## C-PATH REGULATORY SUCCESSES

### ALZHEIMER'S DISEASE

- ▶ FDA & EMA endorsed AD clinical trial simulation tool
- ▶ EMA qualified model-based AD biomarker
- ▶ FDA & EMA letters of support
  - Model-based AD biomarkers and pre-dementia clinical trial simulator

### MULTIPLE SCLEROSIS

- ▶ EMA qualified PerfO measure
  - Test battery for all forms of MS

### POLYCYSTIC KIDNEY DISEASE

- ▶ EMA & FDA model-based qualified Total Kidney Volume (TKV) imaging biomarker
- ▶ FDA letter of support
  - TKV imaging biomarker
- ▶ FDA designated reasonably likely surrogate marker for PKD trials (TKV)

### PREDICTIVE SAFETY TESTING

- ▶ EMA, FDA & PMDA qualified non-clinical kidney safety biomarkers
- ▶ FDA qualified clinical kidney safety markers
- ▶ Six FDA & EMA letters of support

### PARKINSON'S DISEASE

- ▶ FDA letter of support
  - PD imaging biomarker
- ▶ EMA qualified model-based PD imaging biomarker

### TUBERCULOSIS

- ▶ EMA qualified translational drug development platform

### PATIENT-REPORTED OUTCOME MEASURES

- ▶ FDA COA qualification
- ▶ Symptoms of Major Depressive Disorder Scale
- ▶ Non-Small Cell Lung Cancer Symptom Assessment Questionnaire
- ▶ Asthma daytime and nighttime symptom diaries

### TYPE 1 DIABETES

- ▶ EMA letter of support for model-based islet autoantibodies biomarker for trial enrichment

## FDA

- 6 Qualification Decisions
- 1 Fit-for-Purpose Endorsement
- 7 Letters of Support

## EMA

- 7 Qualification Decisions
- 7 Letters of Support

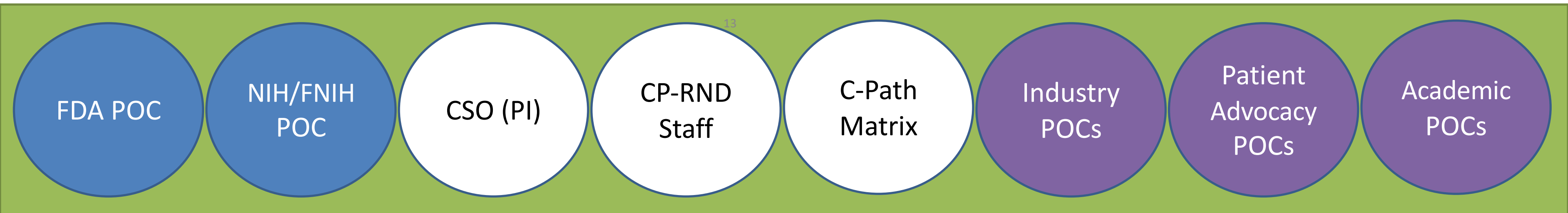
## PMDA

- 1 Qualification Decision

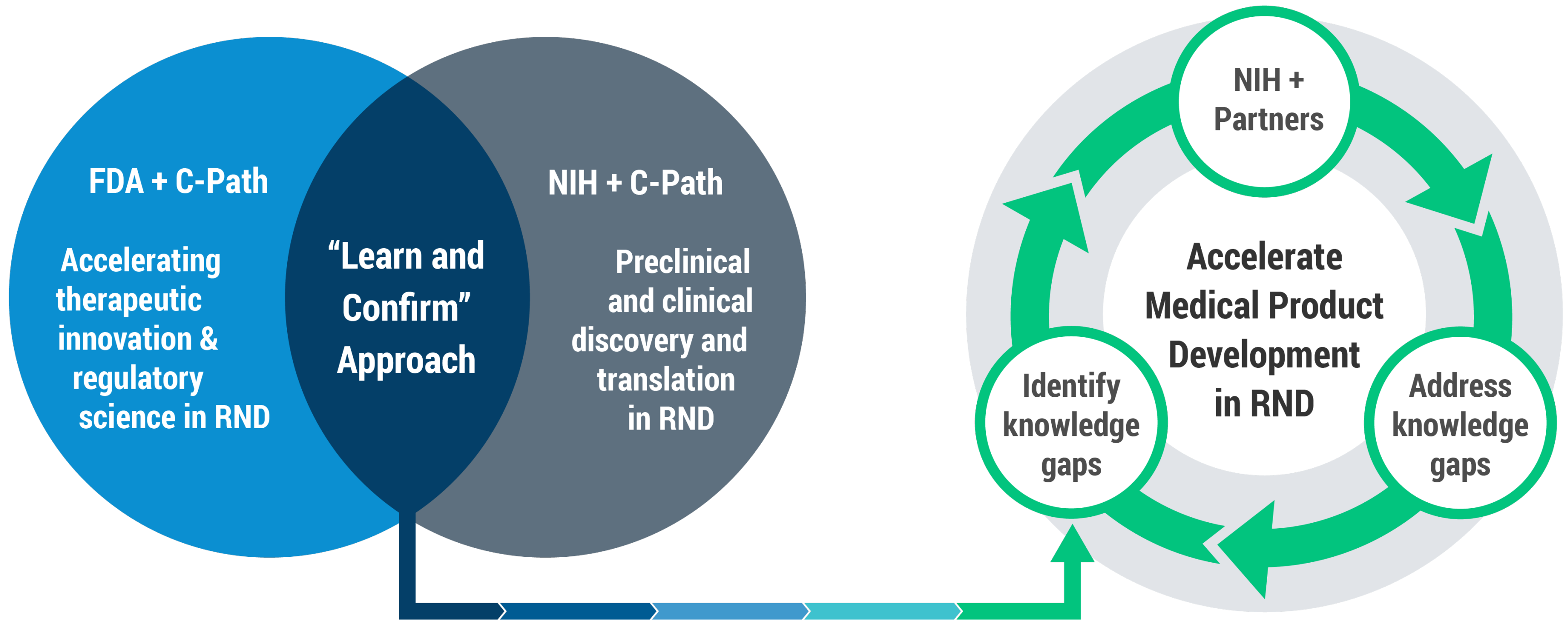
# CP-RND PUBLIC PRIVATE PARTNERSHIP (PPP)

- Accelerating Access to Critical Therapies for ALS Act (ACT for ALS): FDA awarded C-Path a grant to establish a PPP involving FDA/NIH, patients/advocates, researchers and industry aimed at advancing research in ALS and other rare neurodegenerative diseases.
  - ✓ Ataxias- CPTA
  - ✓ Huntington's Disease-HD-RSC
  - ✓ Amyotrophic lateral sclerosis (ALS)
  - ✓ Others
- A critical role in this model is the consistent input and engagement with patients, caregivers and the advocacy community.
- Collaboration with researchers and industry experience will help define scientific evidence and gaps in drug development.

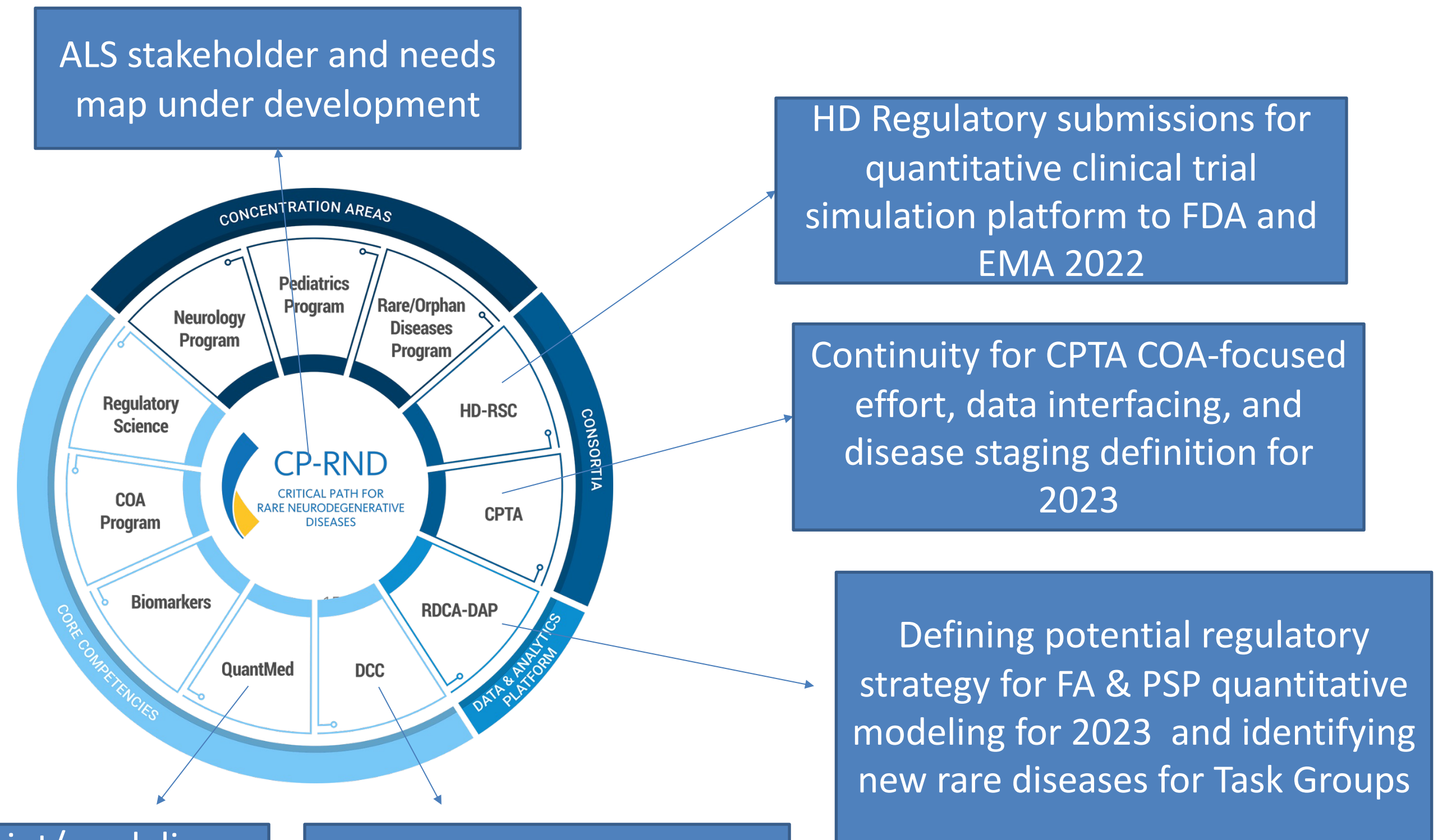
# CP-RND ORGANIZATION



# “LEARN AND CONFIRM”



# UPDATES FROM C-PATH/CP-RND



ALS endpoint/modeling inventory under development

Planning data strategy for ALS with NIH/FNIH

# UPDATES FOR CP-RND/NIH/FNIH/FDA

- C-Path is working with NIH and the Foundation for the National Institutes of Health (FNIH) with the intention to expand and design the Public-Private Partnership
- Planning meetings to outline an overarching ALS strategy
  - ✓ Roles and responsibilities for NIH/FNIH ALS initiative and CP-RND
  - ✓ Shared learnings
  - ✓ Data plan
  - ✓ Advocacy
  - ✓ Common roadmap and pipeline
- Next steps



# HOW CAN YOU GET INVOLVED?

- We need your feedback, attend one of our upcoming open house landscape discussions
  - ✓ Patient Advocacy Forum: 3/23 2-3pm ET | 3/27 2-3pm ET
  - ✓ Industry Forum: 3/23 3-4pm ET | 3/27 3-4pm ET
  - ✓ For more information or to register email [cp-rnd@c-path.org](mailto:cp-rnd@c-path.org).
- Share your data
  - ✓ Clinical trials
  - ✓ Registry Data
- Attend our follow up Town Hall Meetings over the next several months and the C-Path Rare Disease Annual Meeting (September 2023)

# PANEL DISCUSSION

## Q&A

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# TERINA MARTINEZ, PHD

Executive Director, Critical Path for  
Rare Neurodegenerative Diseases and  
Critical Path to Therapeutics for the  
Ataxias

Dr. Martinez is a highly motivated neuroscientist with experience in science communication, research program management and leadership and biomarker and drug development in neurodegenerative diseases.



# MICHELLE CAMPBELL, PHD



Associate Director, Stakeholder  
Engagement and Clinical Outcomes,  
FDA

Dr. Campbell has worked on the FDA's Clinical Outcome Assessments team. Her focus is inpatient-focused drug development and the use of patient experience data in the regulatory setting.



# CELIA WITTEN, MD, PHD

Deputy Director, CBER, FDA

Dr. Witten has worked in several areas at the Food and Drug Administration, most recently as the Deputy Director at the Center for Biologics Evaluation and Research (CBER).



# WALTER KOROSHETZ,

## M.D.

Director, NINDS



Dr. Koroshetz has held leadership roles in a number of NIH and NINDS programs and was selected Director of the National Institute of Neurological Disorders and Stroke in 2015.



# LAUREN BOAK, PHD

Industry Co-director,  
Huntington's Disease Regulatory  
Science Consortium (HD-RSC)



Dr. Boak has worked for Roche in both Switzerland and the United Kingdom. Her work gives her opportunities to work on potentially transformative medicines for patients with nervous system disorders.



# RONALD J. BARTEK

Co-founder/President Friedreich's  
Ataxia Research Alliance



Mr. Bartek has held various voluntary positions with  
NORD; Alliance for a Stronger FDA, Alliance for  
Regenerative Medicine; NIH/NCATS; and more





# PHILIP GREEN

ALS Patient Advocate



Mr. Green was diagnosed with ALS in 2018 at the age of 48. Today, his life's work is improving the fight against this disease. He is active with many patient organizations and serves as a volunteer patient advisor to companies working on ALS therapies.

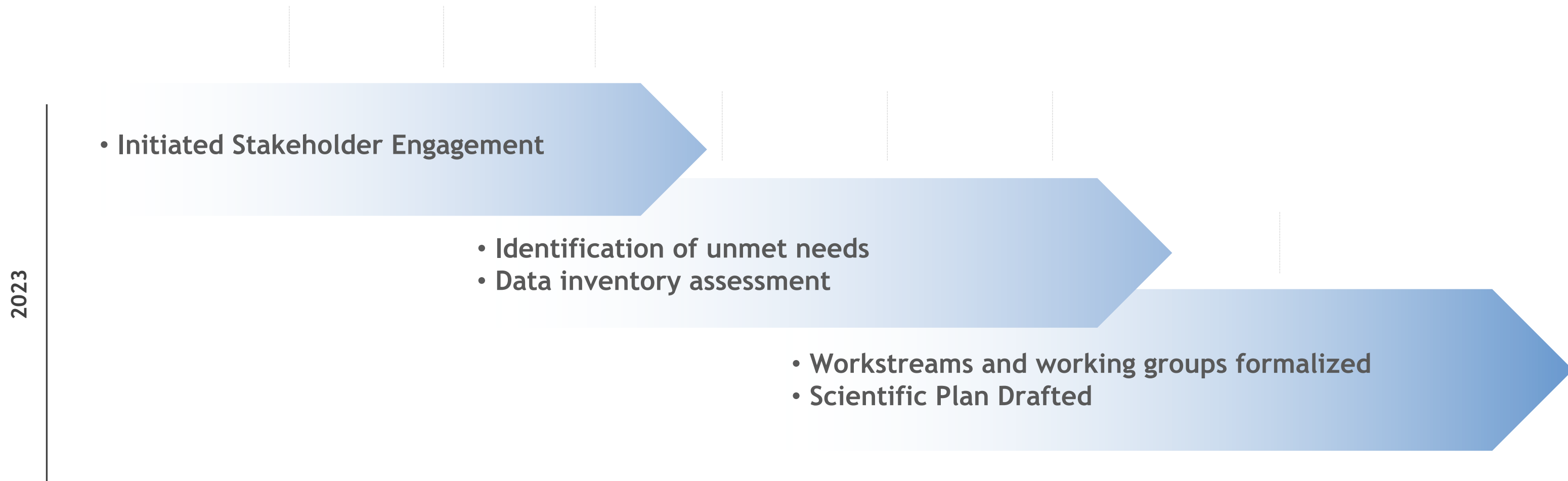
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Presented By : Critical Path Institute

# Q&A



# NEXT STEPS



1

Patient Introduction Webinar

March 15, 2023

2

Annual Meeting

TBD September 2023

# CONTACT INFORMATION

## **Collin Hovinga, PharmD, MS, FCCP**

Vice President

Rare and Orphan Disease Program

[chovinga@c-path.org](mailto:chovinga@c-path.org)

## **Terina Martinez, PhD**

Executive Director

CP-RND

[tmartinez@c-path.org](mailto:tmartinez@c-path.org)

## **Alex Betourne, PharmD, PhD**

Executive Director

RDCA-DAP

[abetourne@c-path.org](mailto:abetourne@c-path.org)

## **Katie O'Keefe, MS**

Associate Director

CP-RND

[kokeefe@c-path.org](mailto:kokeefe@c-path.org)

## **Thomas Hart, JD**

Director of Outreach

CP-RND

[thart@c-path.org](mailto:thart@c-path.org)

## **Tanya Williams, MPH**

Senior Project Manager

CP-RND

[twilliams@c-path.org](mailto:twilliams@c-path.org)

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[cp-rnd@c-path.org](mailto:cp-rnd@c-path.org)



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