



Recursion Download Day

Agenda

Breakfast (8:30 – 9:30 AM)

Welcome	Tina Larson , President & COO R. Martin Chavez PhD , Chairman
State of Recursion	Chris Gibson PhD , Co-Founder & CEO
Recursion OS	Imran Haque PhD , VP of Data Science Lina Nilsson PhD , VP of Product
Pre-Clinical Opportunities	Laura Schaevitz PhD , SVP and Head of Research
Tours & Demos	Ben Mabey , Chief Technology Officer

Lunch (12:00 – 1:00 PM)

Welcome Back	Heather Kirkby , Chief People Officer Dean Li MD PhD , Co-founder and Board Member
Clinical Programs	Shafique Virani MD , Chief Business Officer and Interim Chief Medical Officer
Partnerships	Matt Kinn , SVP of Business Development
Financials & Potential Milestones	Michael Secora PhD , Chief Financial Officer
Closing	Chris Gibson PhD , Co-Founder & CEO Zavain Dar , Board Member

Reception, Tours & Demos (3:30 – 4:30 PM)

Welcome Remarks

Tina M. Larson

President and COO of Recursion

Welcome Remarks

R. Martin Chavez PhD

Chairperson of Recursion

State of Recursion

Chris Gibson PhD

Co-Founder / CEO

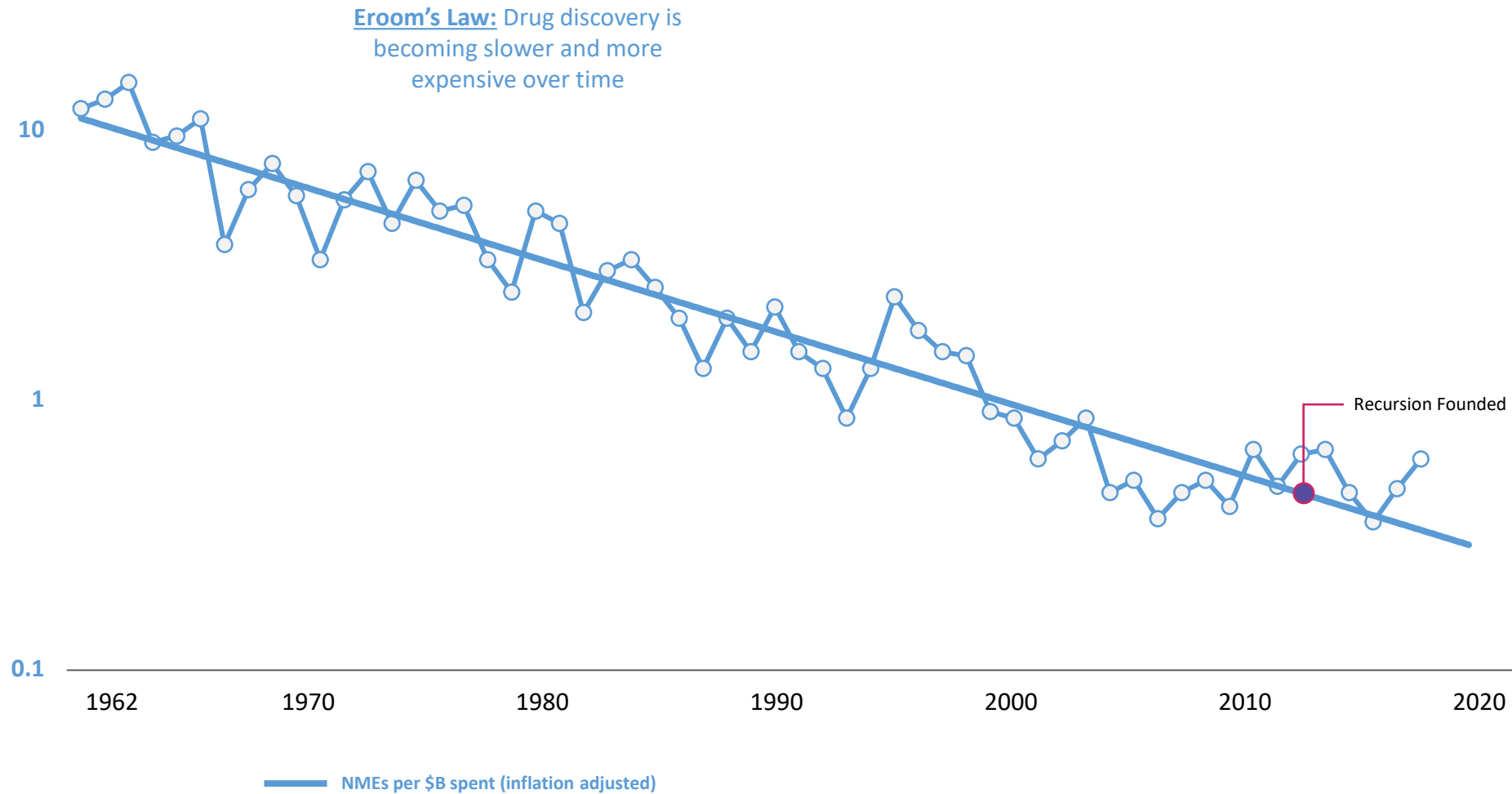
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This presentation and any accompanying discussion and documents contain information that includes or is based upon "forward-looking statements" within the meaning of the Securities Litigation Reform Act of 1995. These forward-looking statements are based on our current expectations, estimates and projections about our industry and our company, management's beliefs and certain assumptions we have made. The words "plan," "anticipate," "believe," "continue," "estimate," "expect," "intend," "may," "will" and similar expressions are intended to identify forward-looking statements. Forward-looking statements made in this presentation include statements about Recursion's use of the proceeds from its private placement, the initiation, timing, progress, results, and cost of our research and development programs and our current and future preclinical and clinical studies, the potential size of the market opportunity for our drug candidates, our ability to identify viable new drug candidates for clinical development and the accelerating rate at which we expect to identify such candidates, our expectation that the assets that will drive the most value for us are those that we will identify in the future using our datasets and tools, and many others. Forward-looking statements made in this presentation are neither historical facts nor assurances of future performance, are subject to significant risks and uncertainties, and may not occur as actual results could differ materially and adversely from those anticipated or implied in the forward-looking statements. For a discussion of factors that could affect our business, please refer to the "Risk Factors" sections in our filings with the U.S. Securities and Exchange Commission, including our most recent Quarterly Report on Form 10-Q and our Annual Report on Form 10-K. This presentation does not purport to contain all the information that may be required to make a full analysis of the subject matter. We undertake no obligation to correct or update any forward-looking statements, whether as a result of new information, future events or otherwise.

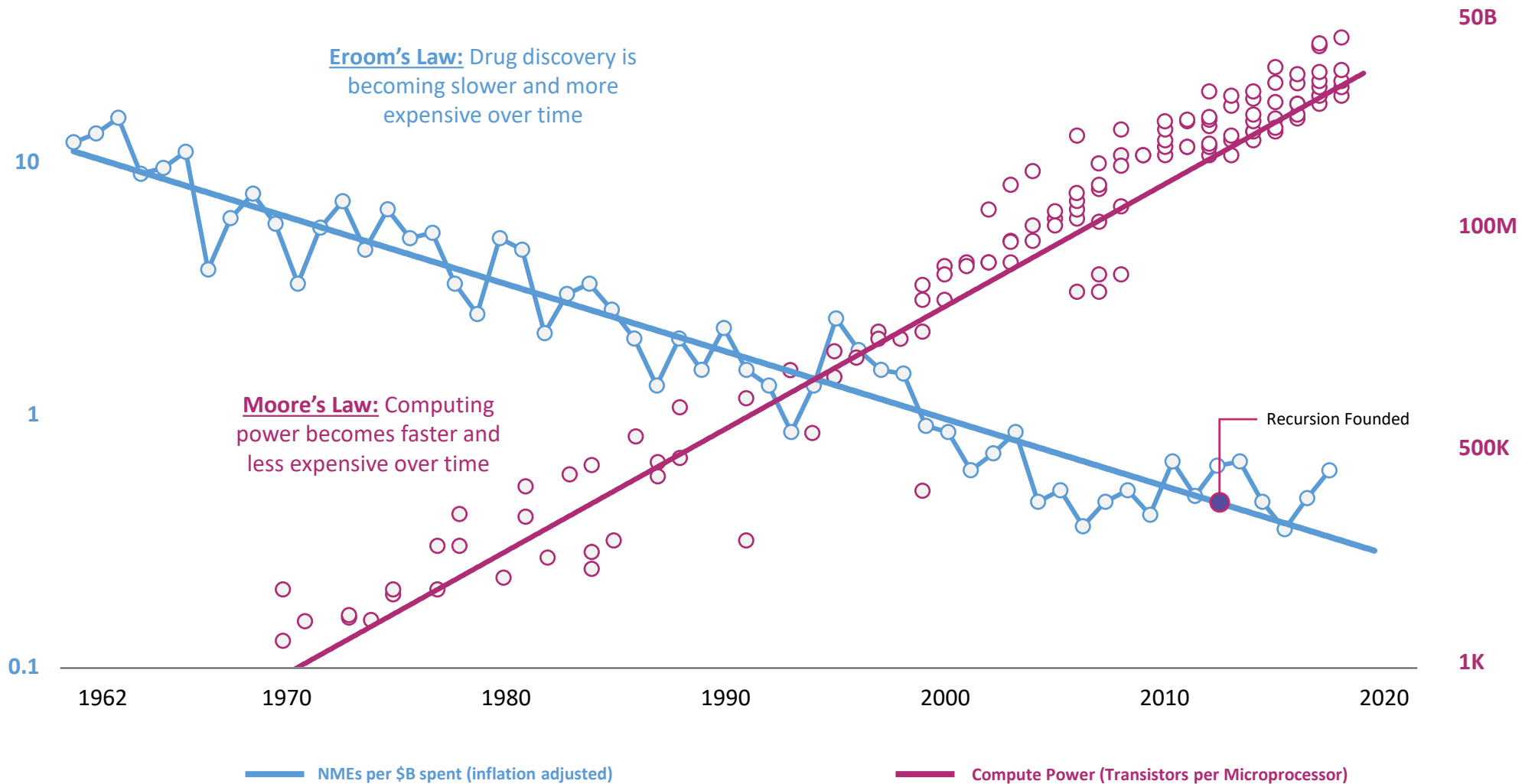
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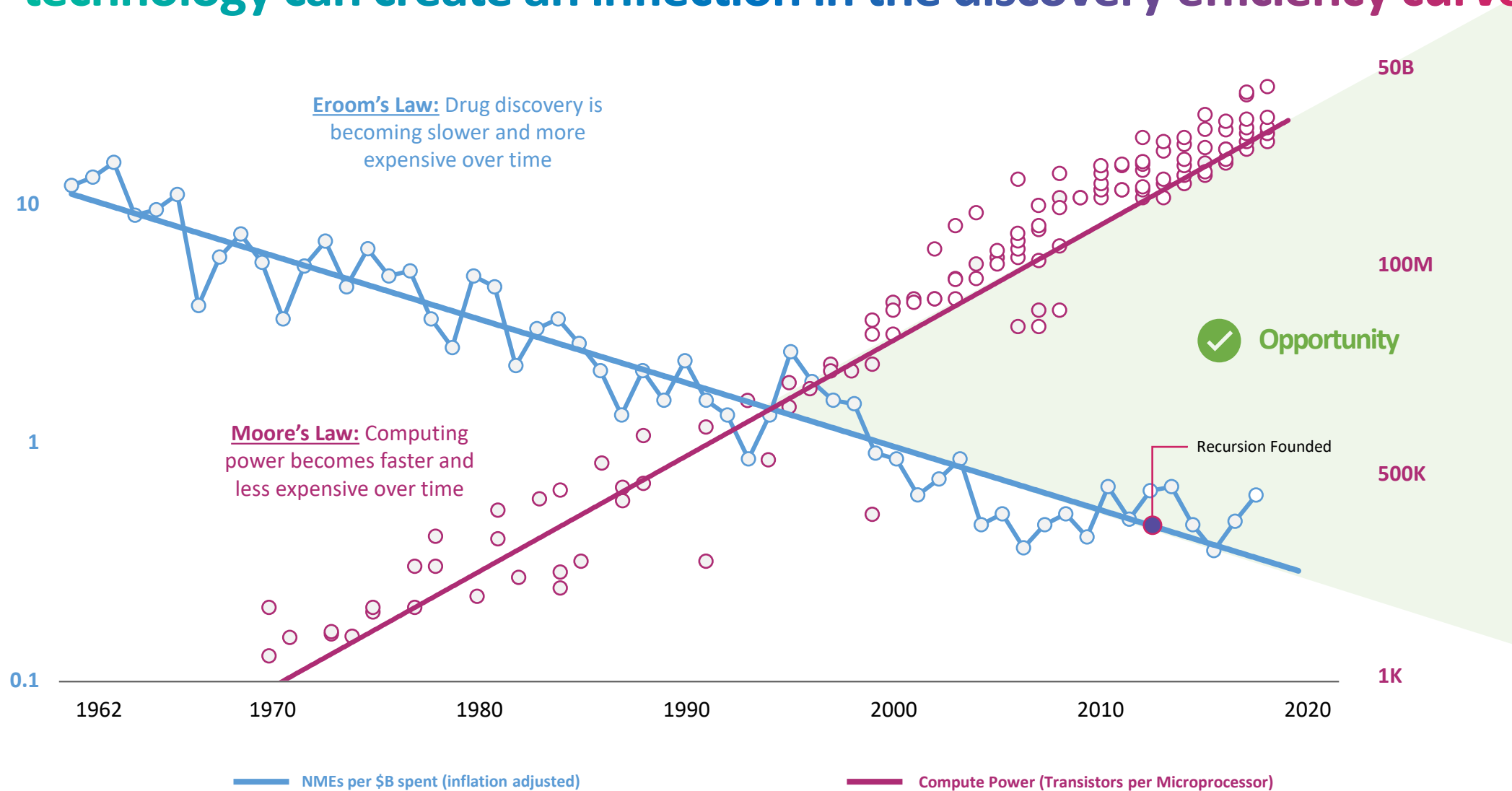
The biopharmaceutical industry faces pressure amidst declining efficiency in drug discovery...



The biopharmaceutical industry faces pressure amidst declining efficiency in drug discovery...



Recursion was founded to conduct an experiment: determine whether technology can create an inflection in the discovery efficiency curve



An experiment from the beginning...



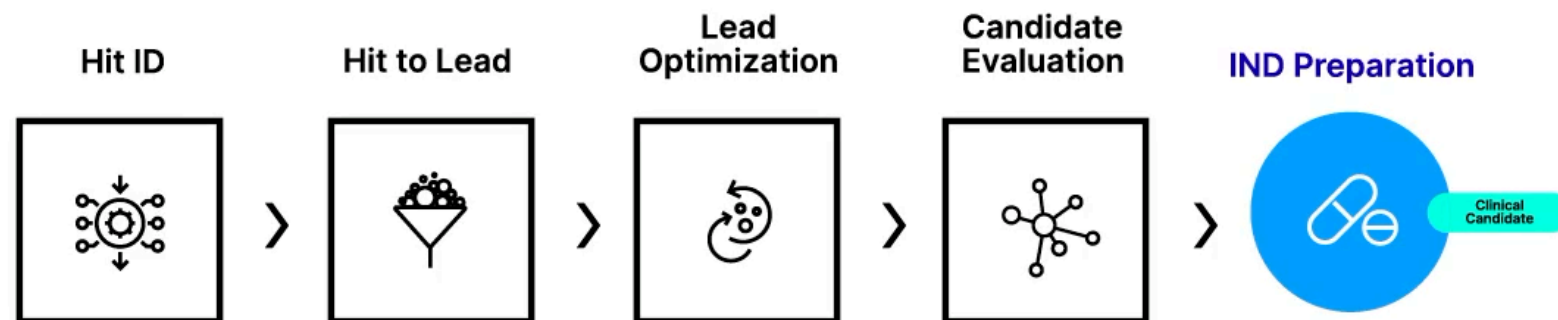
Hypothesis 1: *In biology, structure suits function; by applying sophisticated analysis techniques to images of human cells, a new scale of biological insight can be unlocked*

An experiment from the beginning...

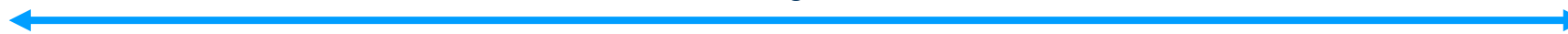


Hypothesis 2: *By industrializing a small number of extraordinarily data-rich assays using automation and computation, biology and chemistry can be mapped and navigated, turning drug discovery into an efficient search problem*

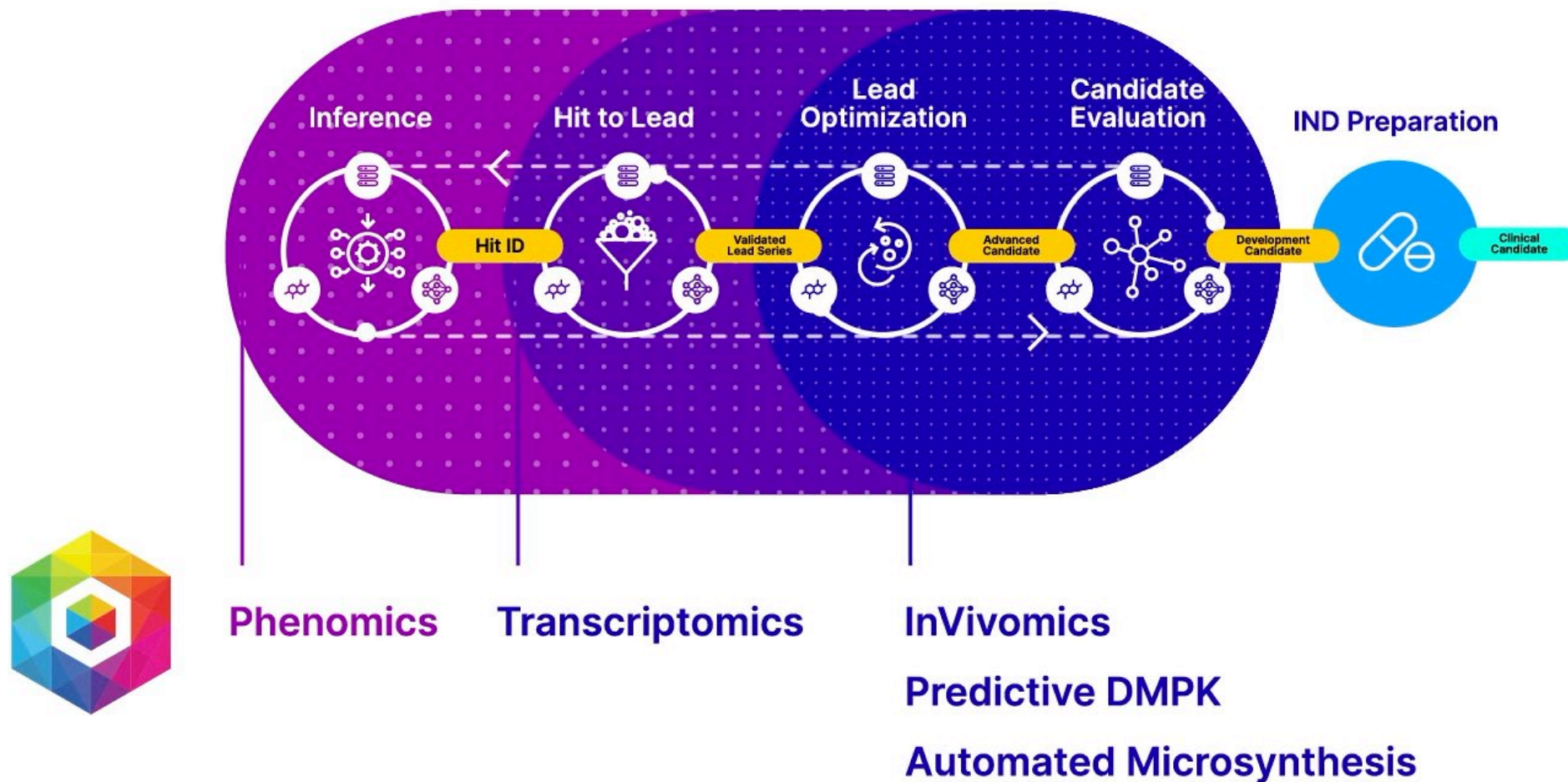
Continuing to mature the TechBio value proposition – multiple cycles of learning and iteration



Machine Learning and Automation

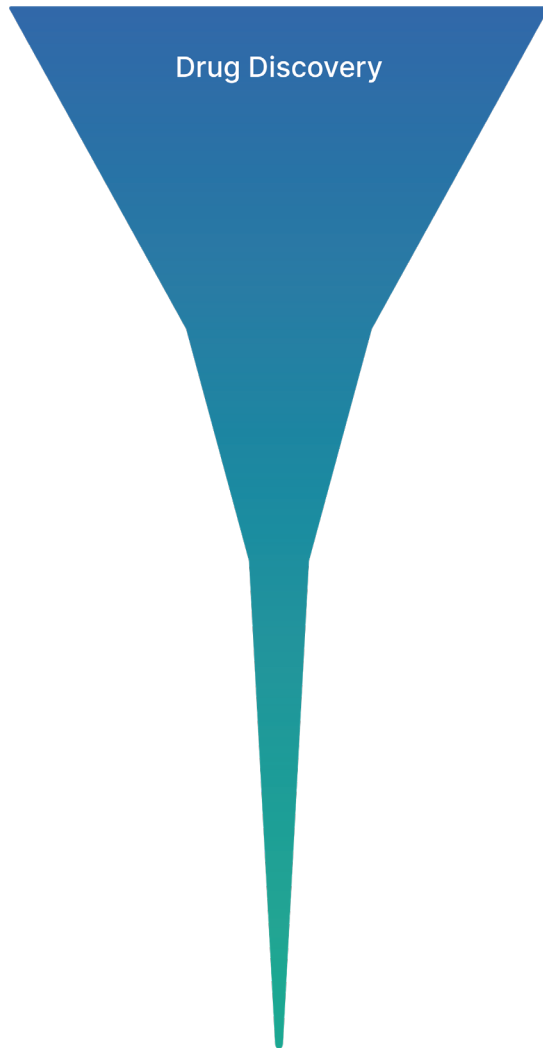


Continuing to mature the TechBio value proposition – multiple cycles of learning and iteration

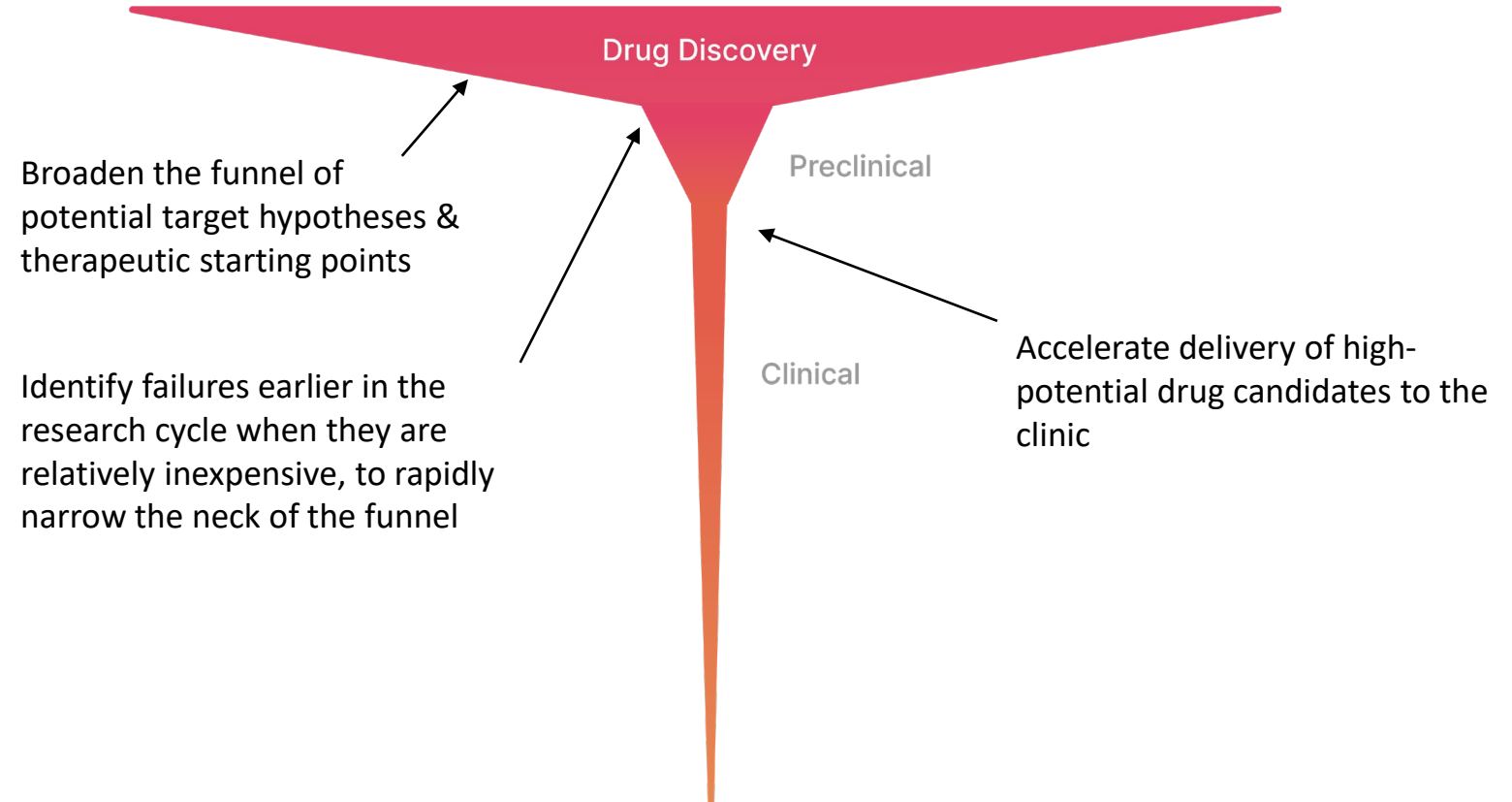


Recursion is designed to impact drug discovery productivity...

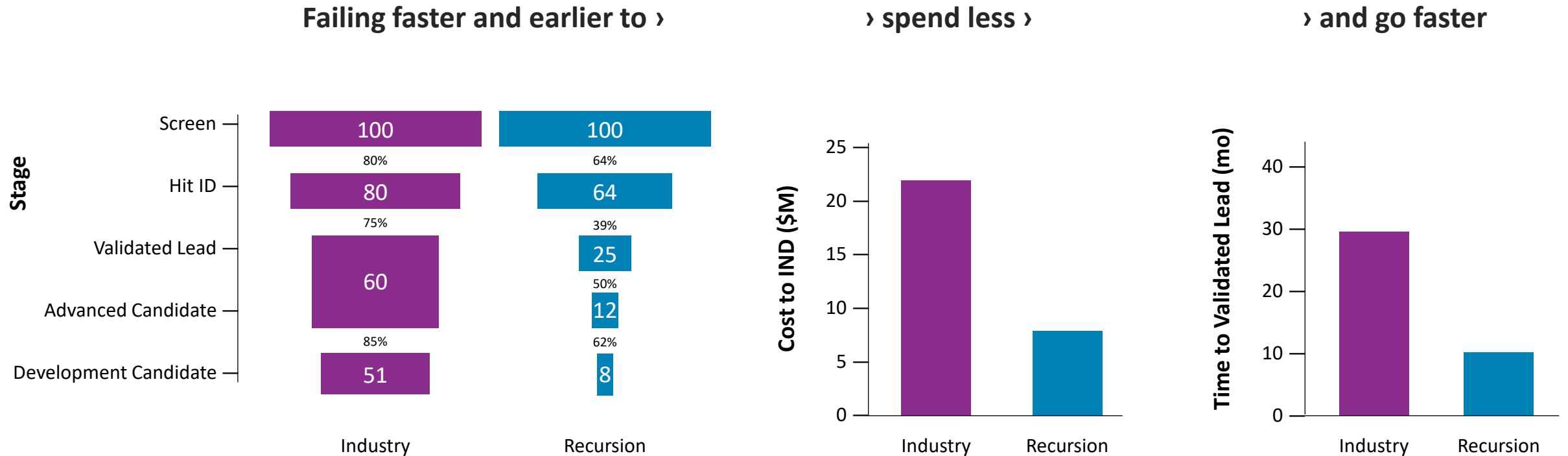
● Traditional discovery pipeline



● Ideal discovery pipeline



...Which Recursion has demonstrated with leading indicators of efficiency



Maturing the TechBio value proposition in 2022

Initiated **5 clinical trials** in 2022 (3 Ph2, 2 Ph1)

- Includes Ph1 FAP study completed by Recursion
-

Planning a **6th clinical trial** to initiate (Ph1b/2)

Novel oncology programs (Target Alpha, Target Gamma) nearing IND-enabling studies

Advancing collaborations in **Fibrosis (Bayer)** and **Neuroscience (Roche-Genentech)**

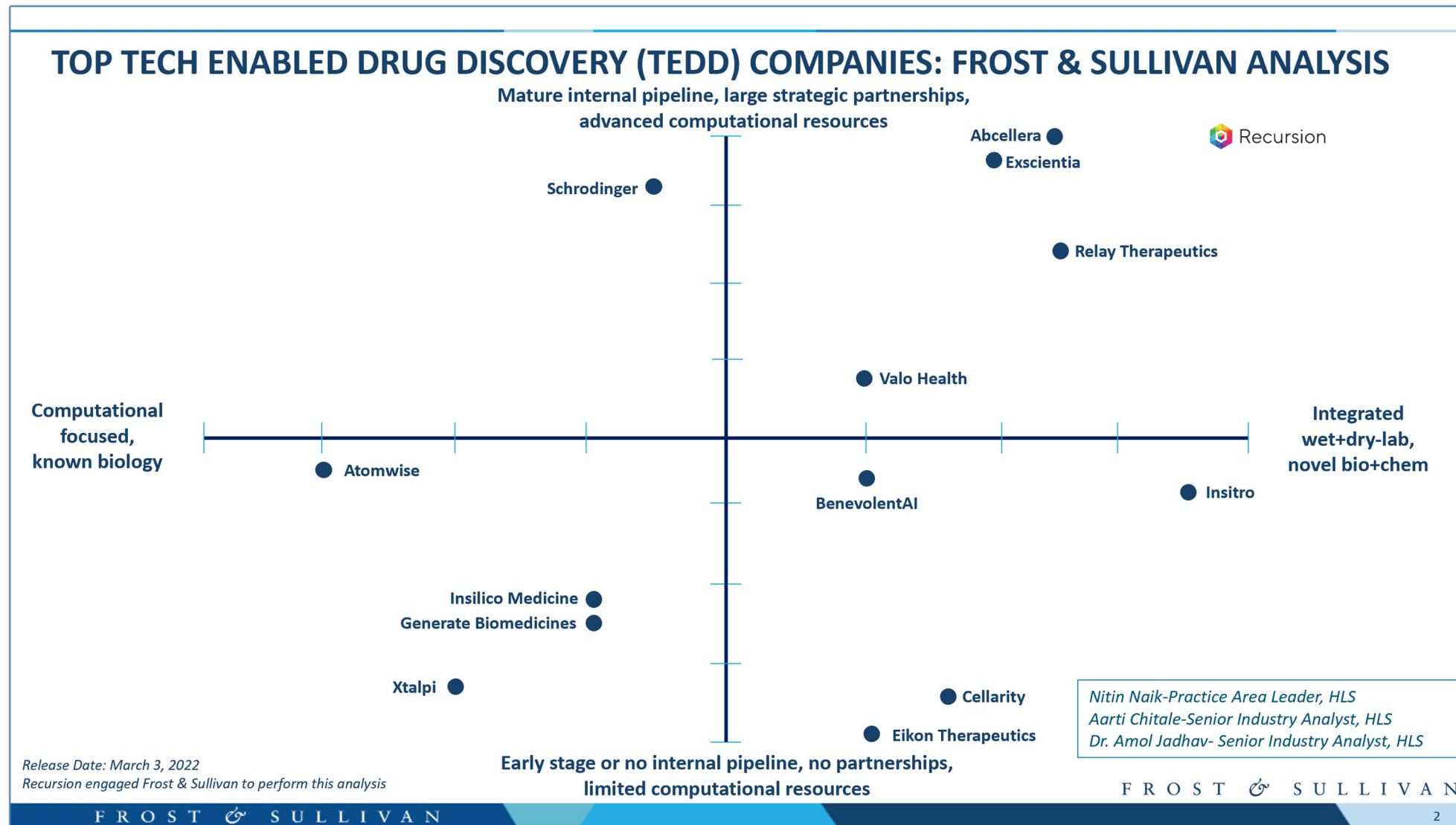
- \$13B in potential milestones across 50+ possible programs plus royalties
-

We believe that we have built one of the **largest proprietary & reliable** in-vitro biological and chemical datasets on Earth

- >21 petabytes of data and
>3 trillion searchable relationships



Recursion leads the rise of AI-enabled drug discovery



New today

Pipeline

- Guidance on top-line readout for Ph2 CCM program
- Guidance on interim Ph2 safety readout for NF2 program
- Guidance on Ph1 C diff readout
- Trial update on Ph2 FAP program
- Guidance on Ph1b/2 AXIN1/APC trial start
- Target disclosure for Project Gamma

Partnerships

- Update on Bayer collaboration including state of partnered pipeline
- Update on Roche/Genentech collaboration

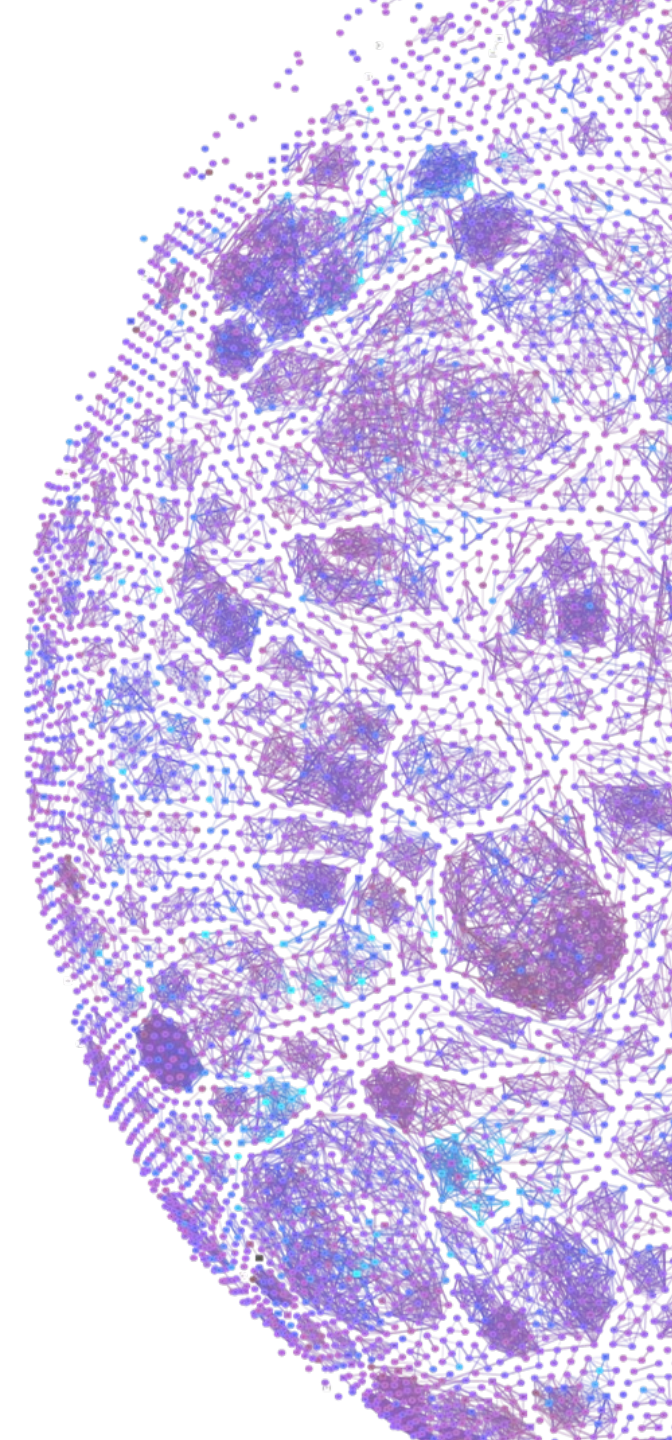
Platform

- Announcement of RXRX3 and MolRec dataset releases

Strong Financials ~\$550M in cash and cash equivalents at the end of 2022 with potential for increased revenue in the near term

Our Mission:

Decode Biology to
Radically Improve Lives



A collage of diverse human faces, including children, young adults, and the elderly, arranged in a grid of hexagonal frames. The entire image is overlaid with a semi-transparent purple color. The word "Impact" is written in white, bold, sans-serif font in the center of the collage.

Impact

RecursionOS[®]

Lina Nilsson PhD

Vice President, Product

Imran Haque PhD

Vice President, Data Science

Download Day 2023



Recursion's map-based approach is designed to set the standard for drug discovery in the 21st century

Traditional Drug Discovery

Recursion Approach



Literature drives discovery.
Informs target-based hypotheses

vs



Platforms drive discovery.
Unbiased & target agnostic



Data are an exhaust.
Limited to testing hypotheses

vs



Data are our fuel.
Shape our hypotheses



Disparate data generation.
Siloed to individual programs and diseases

vs



Connected data across programs.
Relatable high-dimensional data

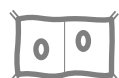


Linear process.
Little cross-program learning or iteration

vs



Virtuous cycles of atoms & bits.
Iterative feedback accelerates learning



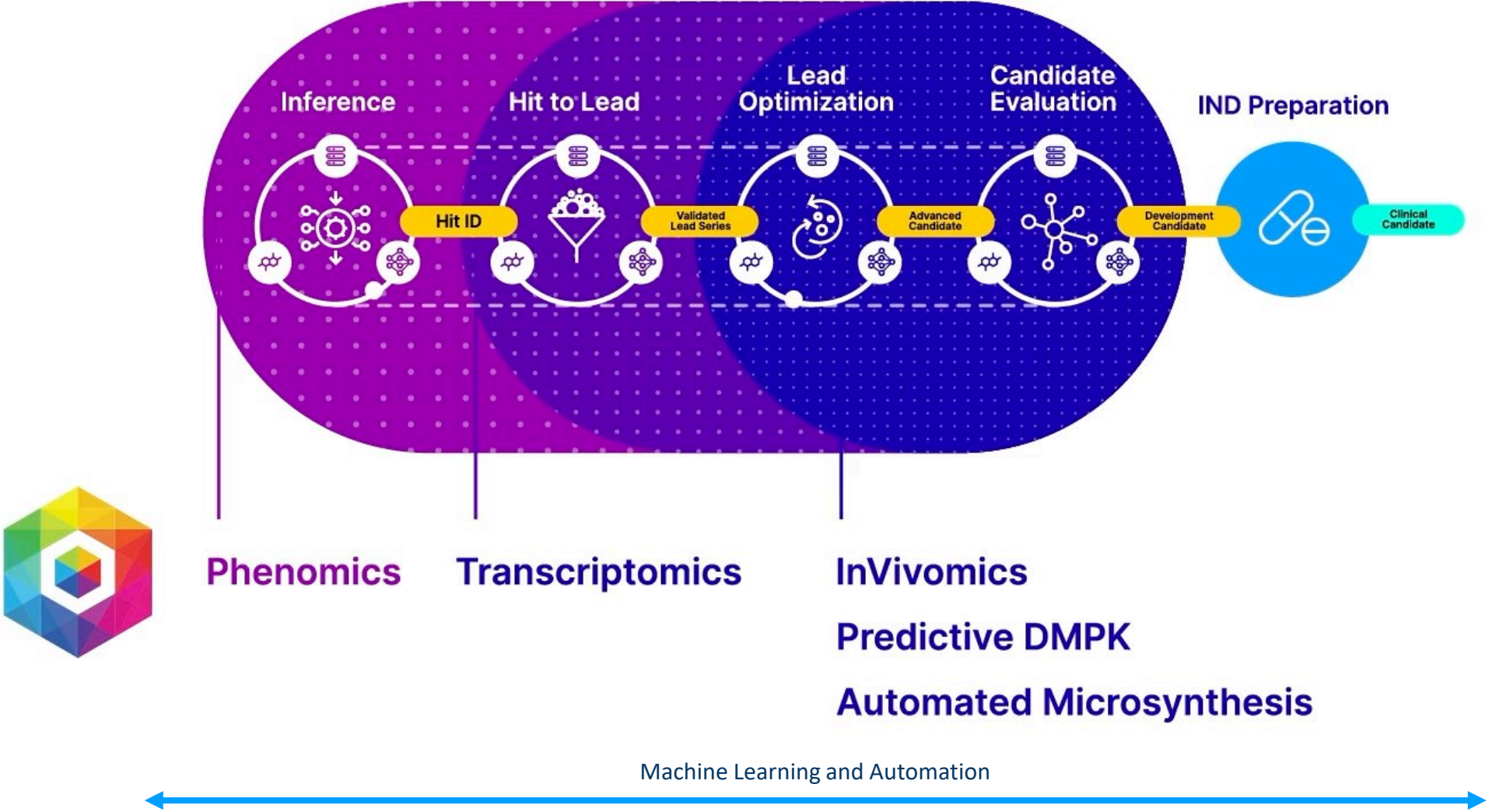
Bespoke processes.
Low-dimensional assays & biomarkers

vs



Industrialized to scale.
Automation & standardization

Industrializing drug discovery at Recursion: The big picture



Recursion OS enables scale, reliability and relatability of datasets



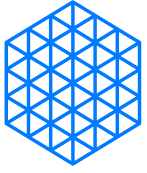
Biological Tools



Automation Tools



Computational Tools

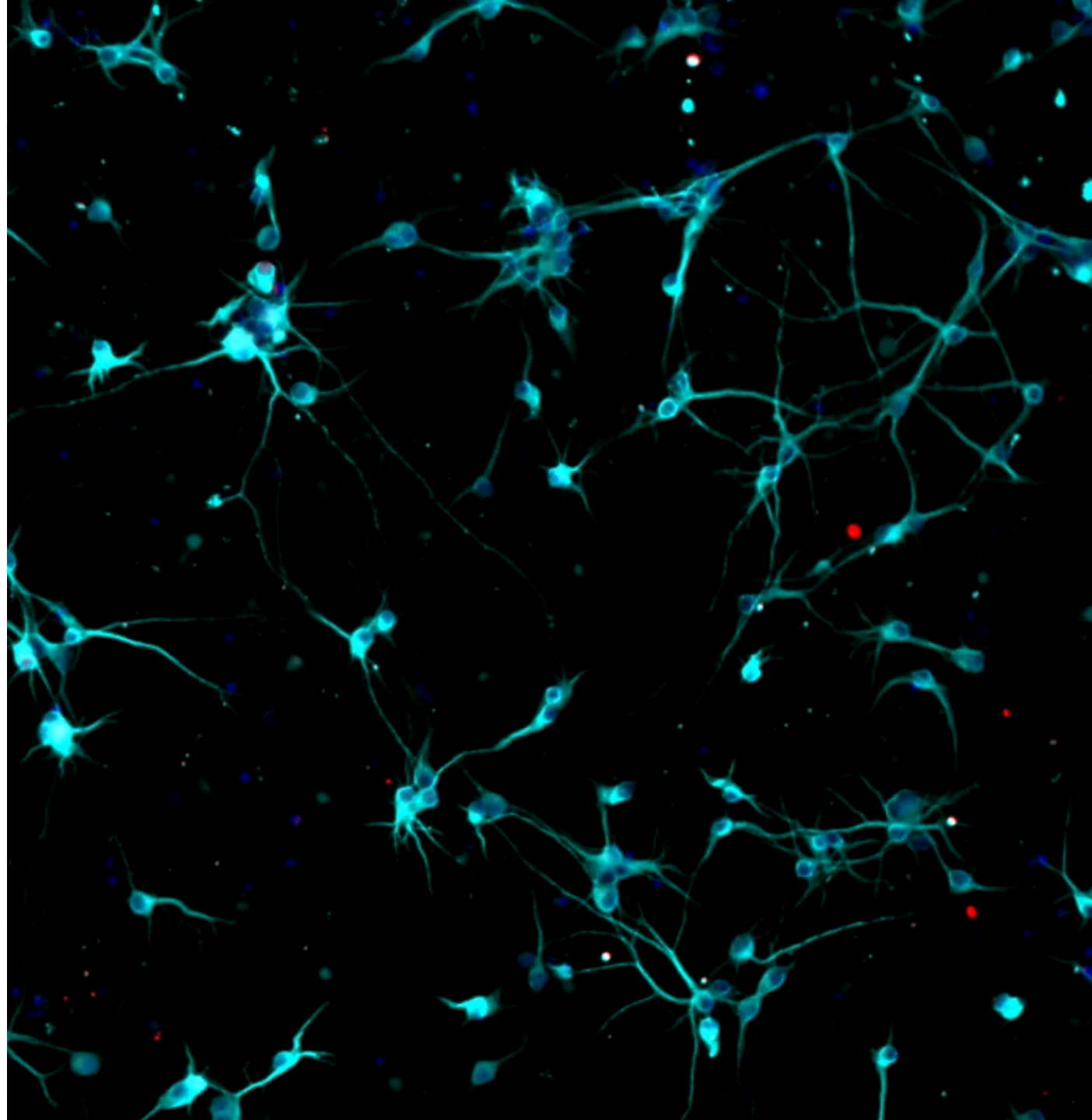


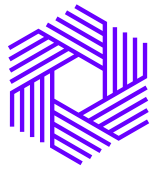
Recursion **OS**[®]
Biological Tools

Model and manipulate
disease biology

>500 Billion

High-quality neurons produced in-house in
2022 using completely novel techniques.





Recursion OS[™]
Automation Tools

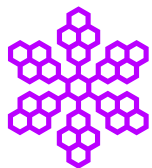
Create scalable, repeatable
and reliable laboratory
processes

Up to

2.2 Million

Wet-lab experiments per week





Recursion **OS**
Computational Tools

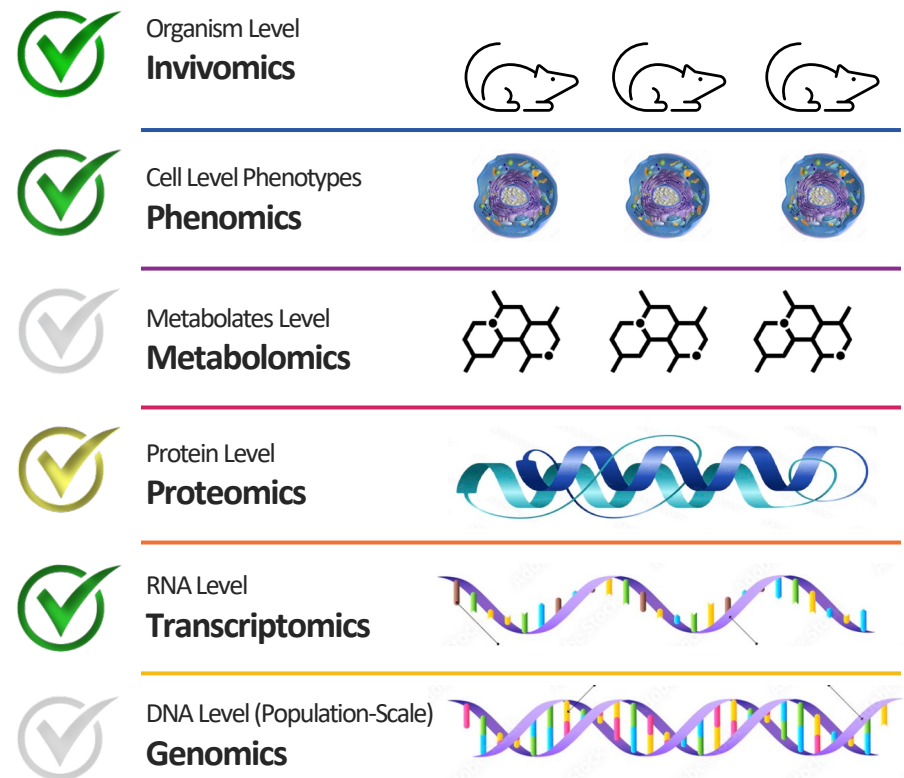
Extract, organize and analyze
highly structured data

>21 Petabytes

Proprietary high-dimensional data



We build biological and chemical datasets to map relationships across scales and understand the connectivity of the system



Built and scaled **Exploratory** **Aspirational**



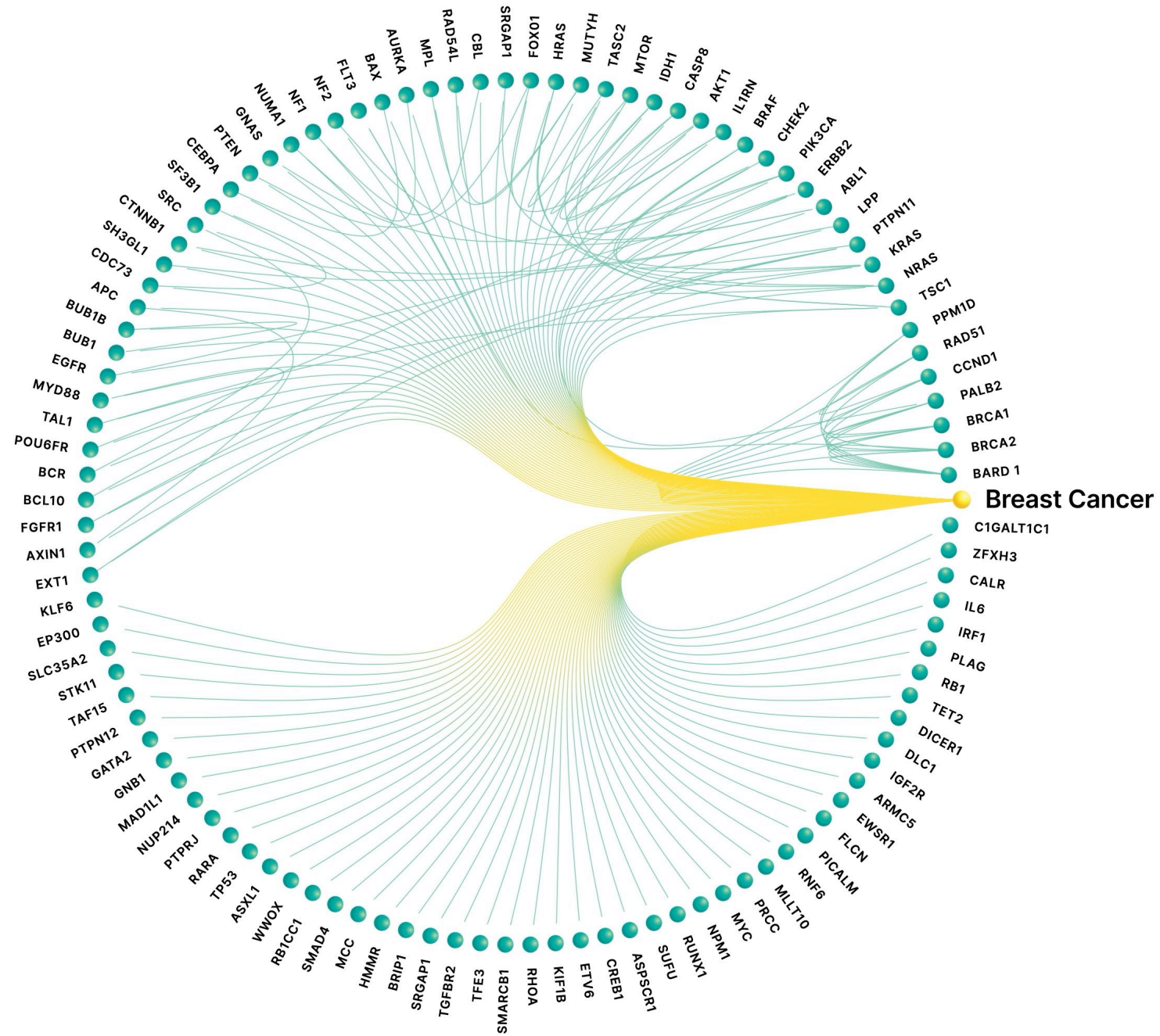
Maps of Biology & Chemistry

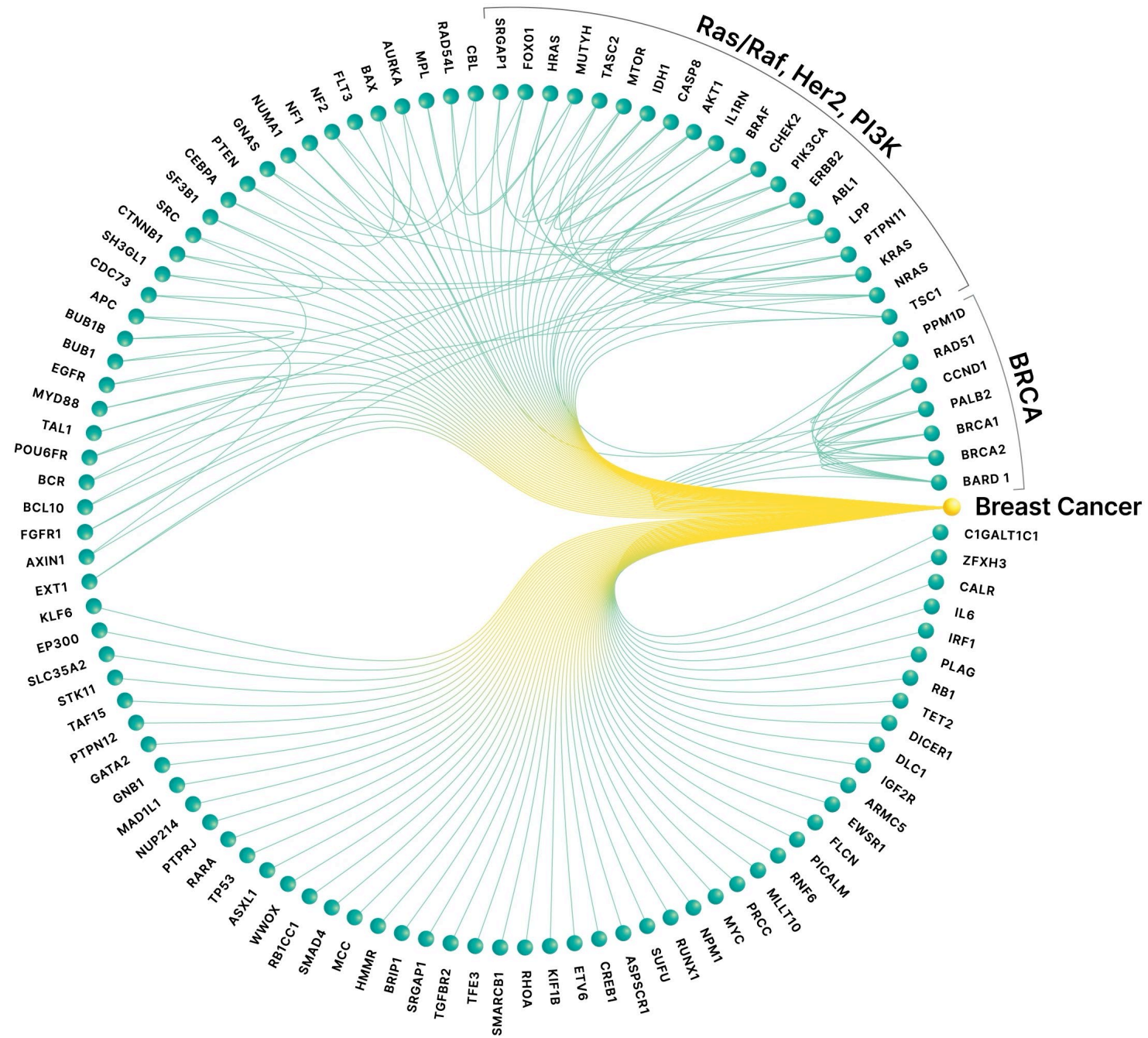
Imran Haque

Vice President, Data Science

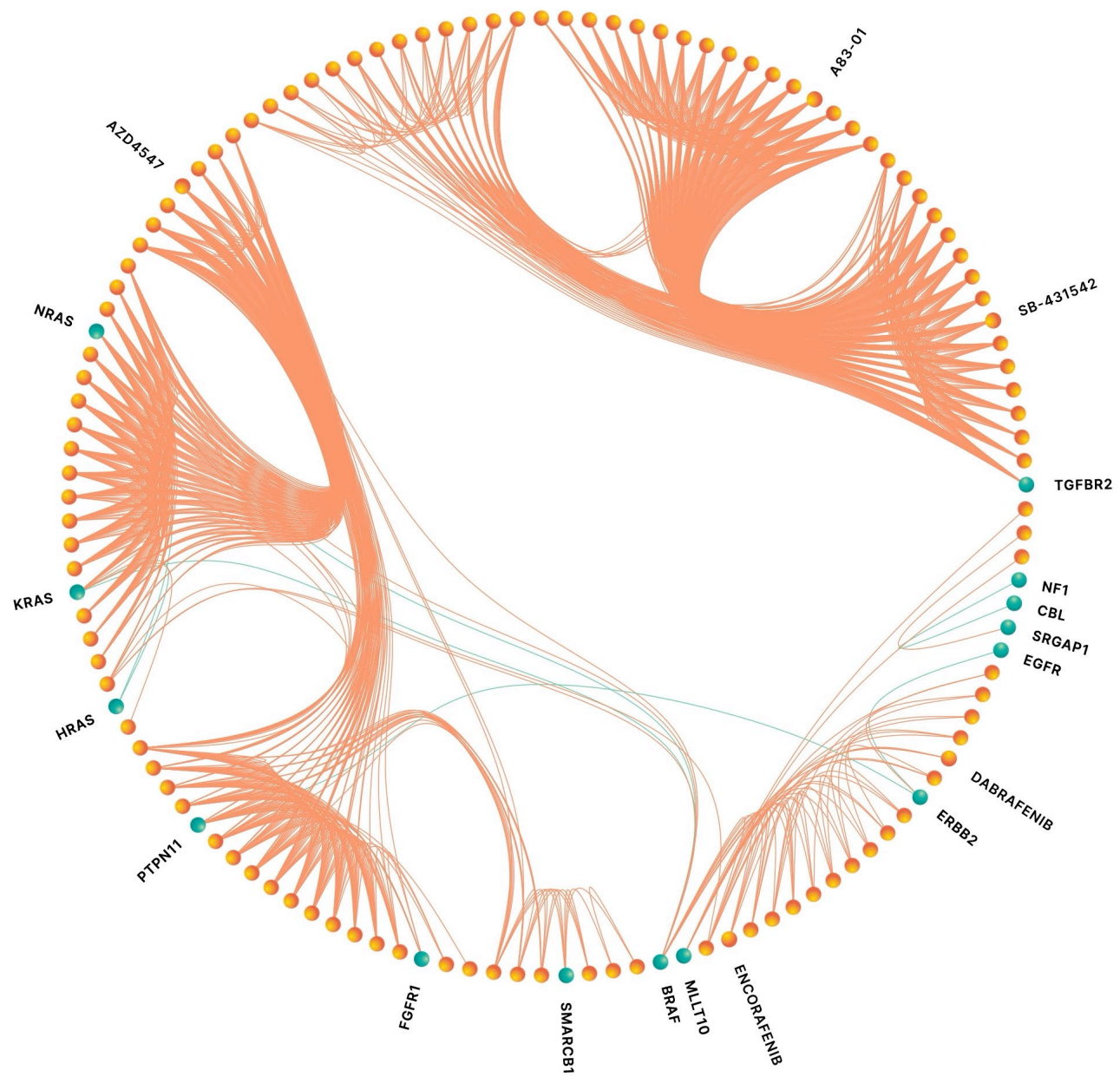
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 Recursion.





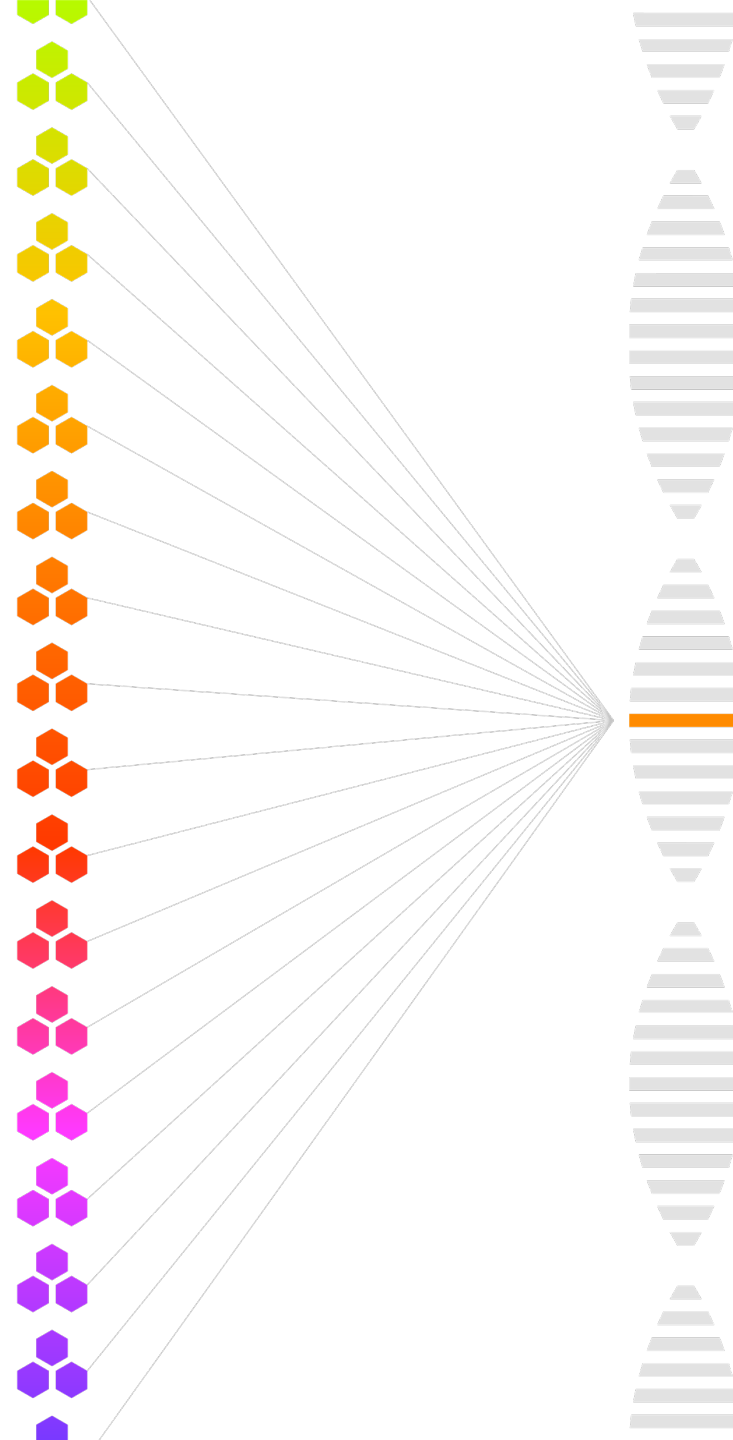






Traditional target-based screens

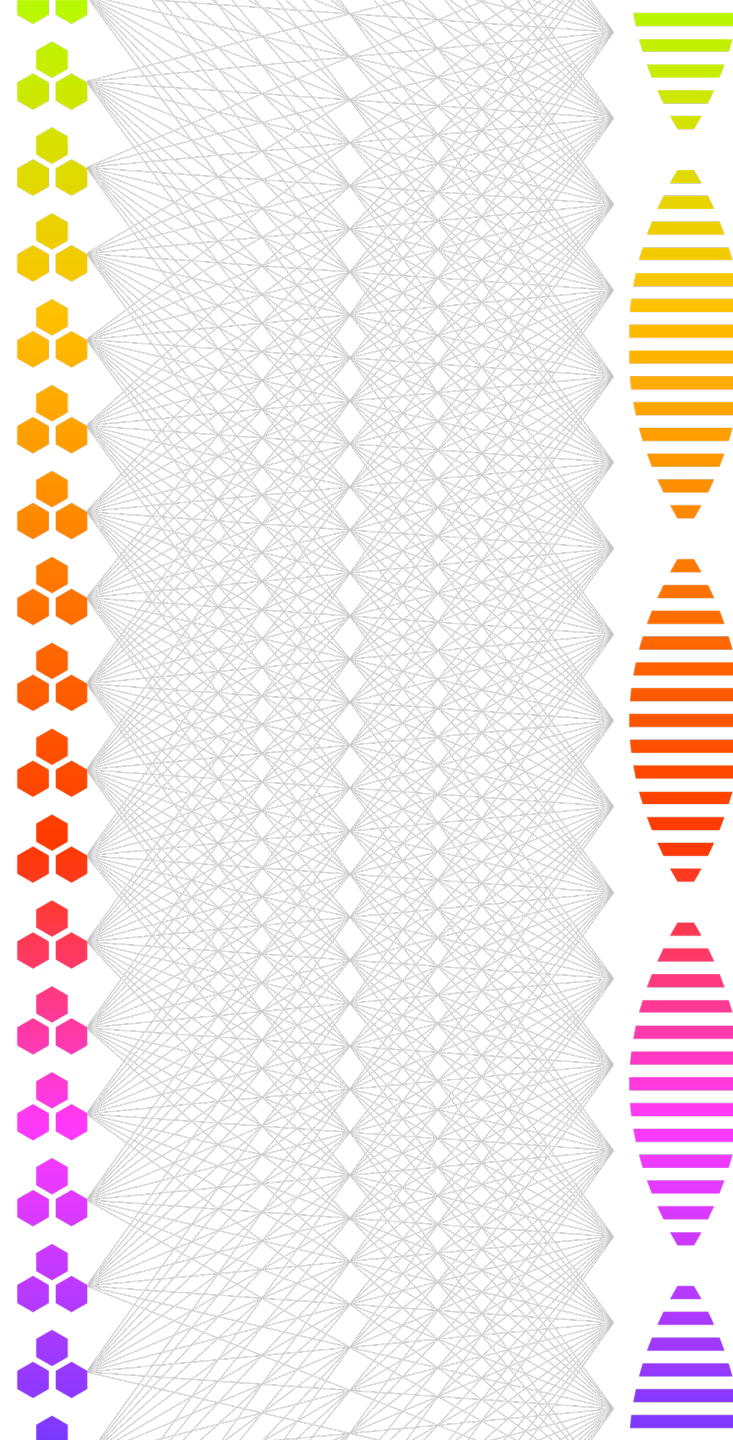
1 million compounds



A single target

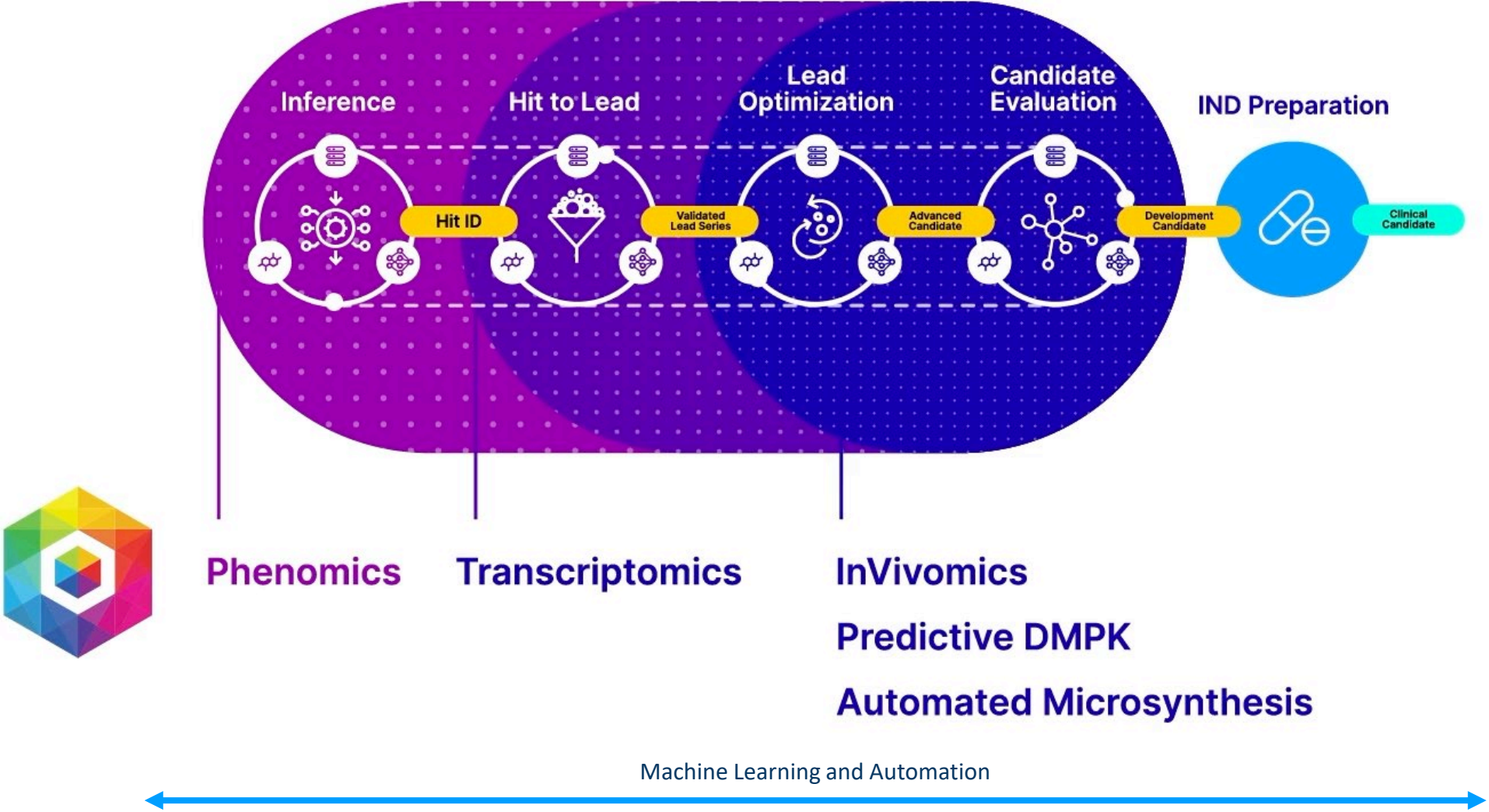
Recursion is generating
exponentially more insights

1 million
compounds



The entire
genome

Industrializing drug discovery at Recursion: The big picture



Hit ID with phenomics



Model diseases with diverse biological and chemical tools



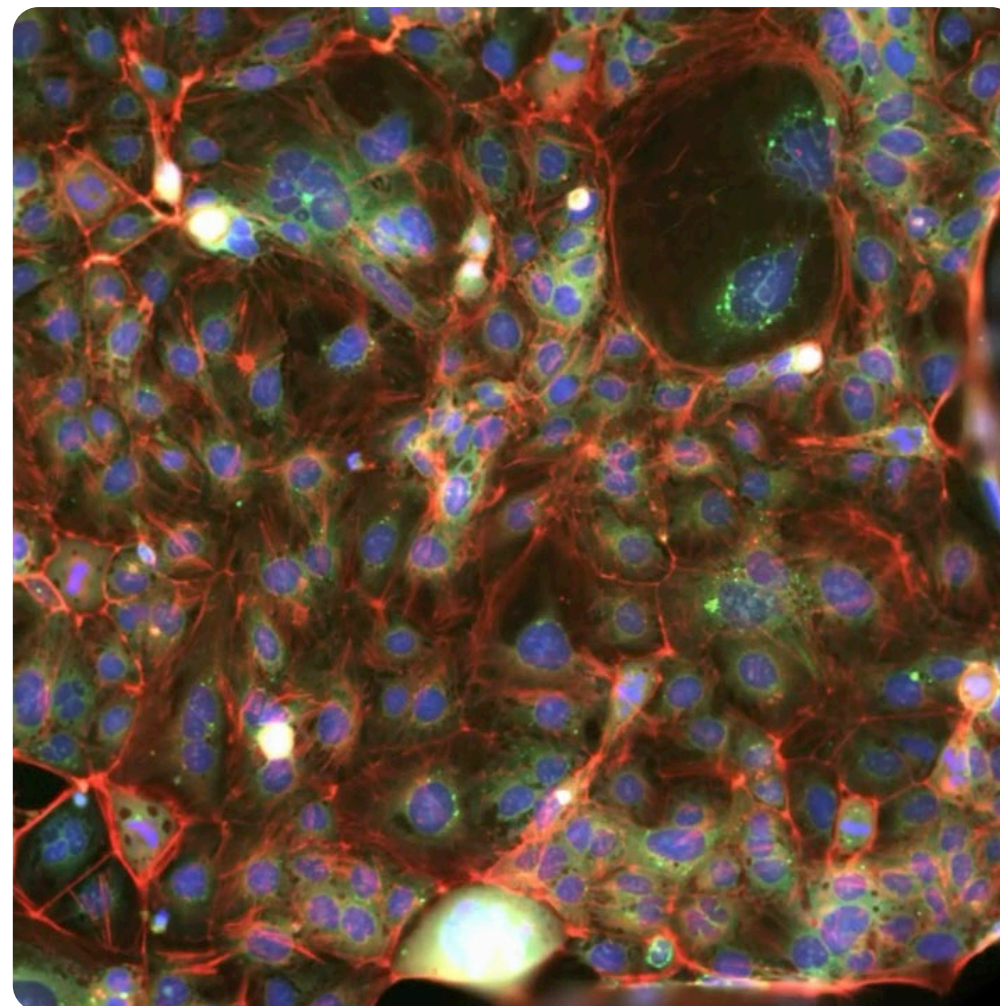
Capture holistic and high-dimensional snapshots of cellular states



Detect and analyze subtle changes using ML algorithms

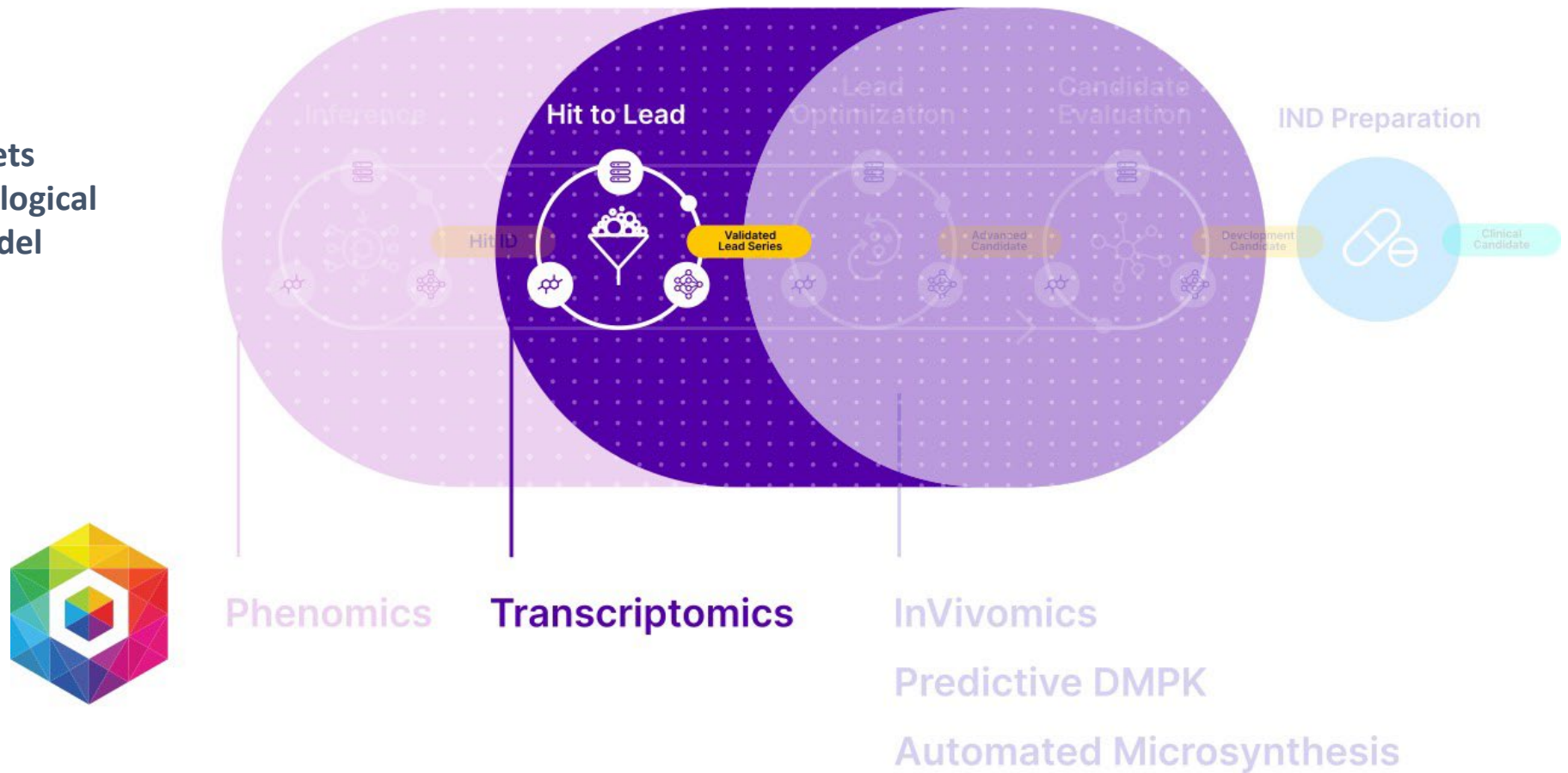


Combine datasets to reveal known & novel relationships in our Maps of Biology



Industrialized program generation and hit to lead

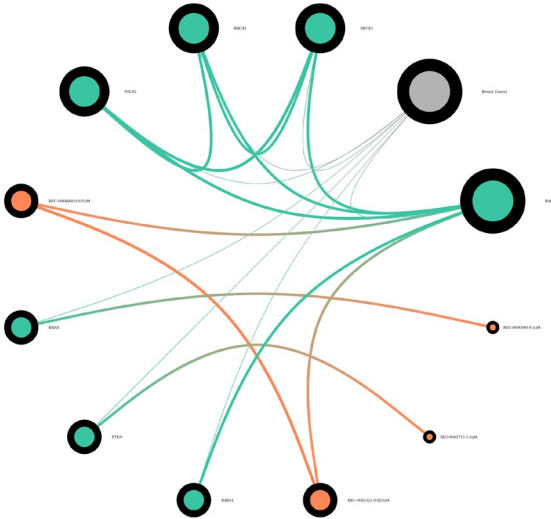
Multiple high-dimensional datasets validate and expand the total biological understanding of the disease model and hits



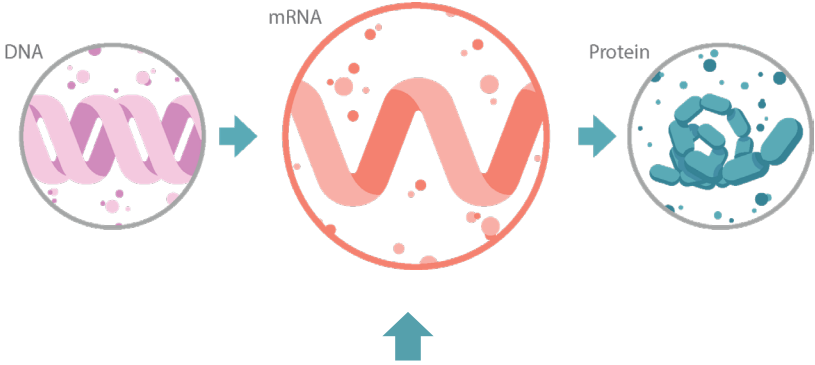
Transcriptomics validates initial phenomic insights at scale



1 Relationships revealed in our maps become 'hits' for potential programs

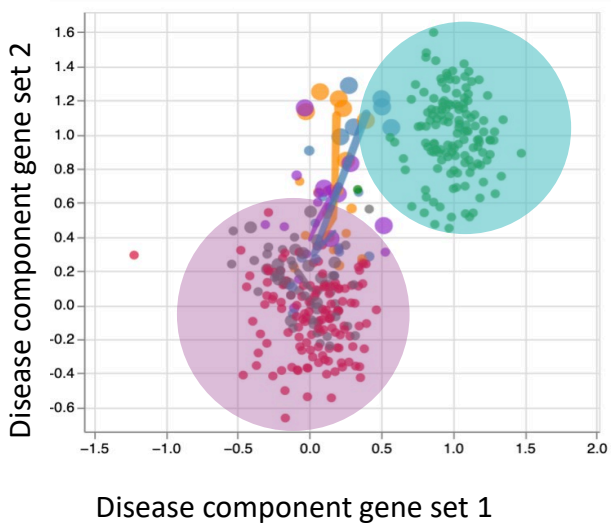


2 Transcriptomic assays validate a hypothesis with additional high-dimensional, unbiased data



Up to **15K** Transcriptome profiles every week

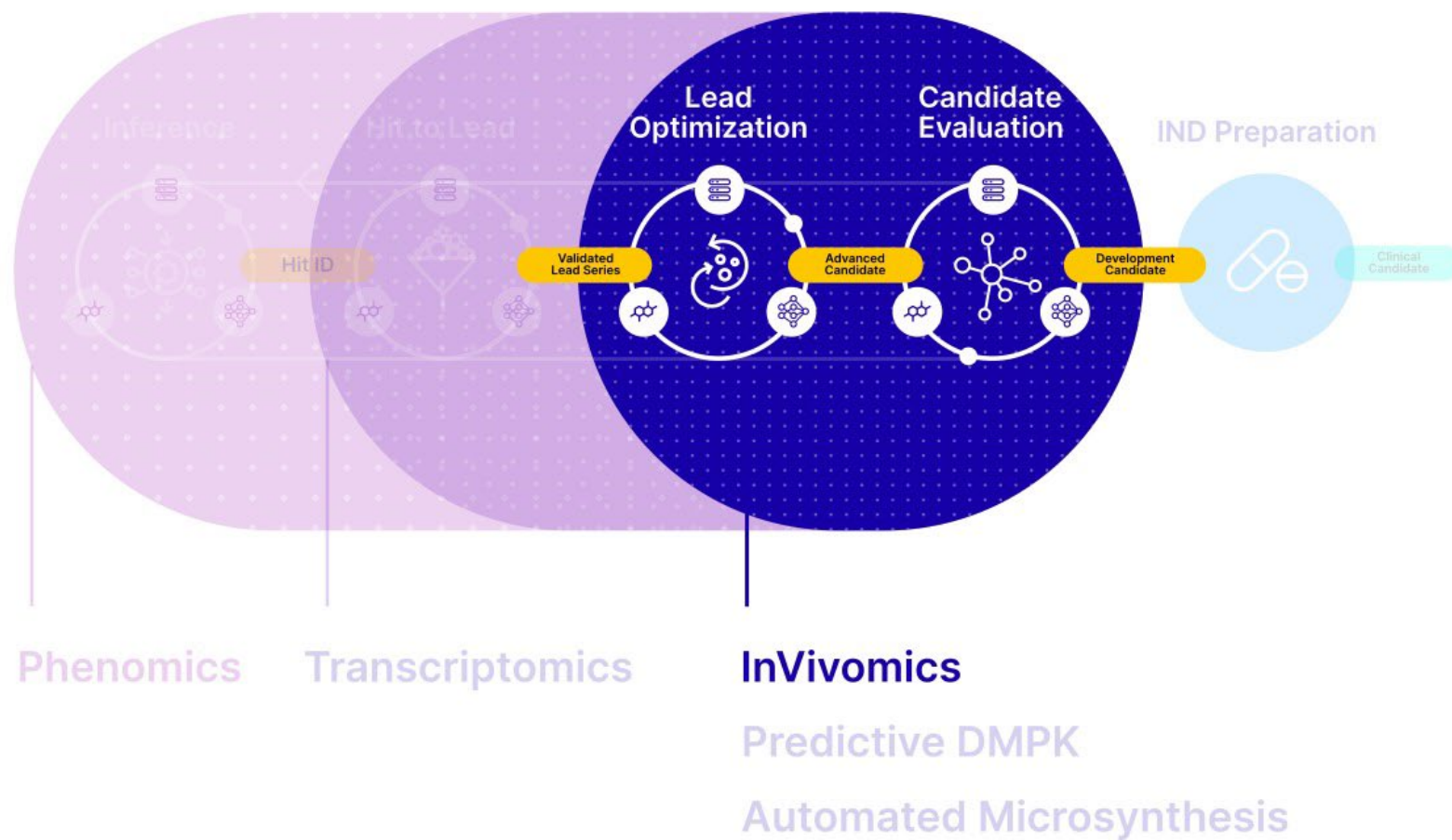
3 Detects more relationships between disease-relevant genes and each compound



Internal Myotonic Dystrophy Program

Industrialized Program Progression

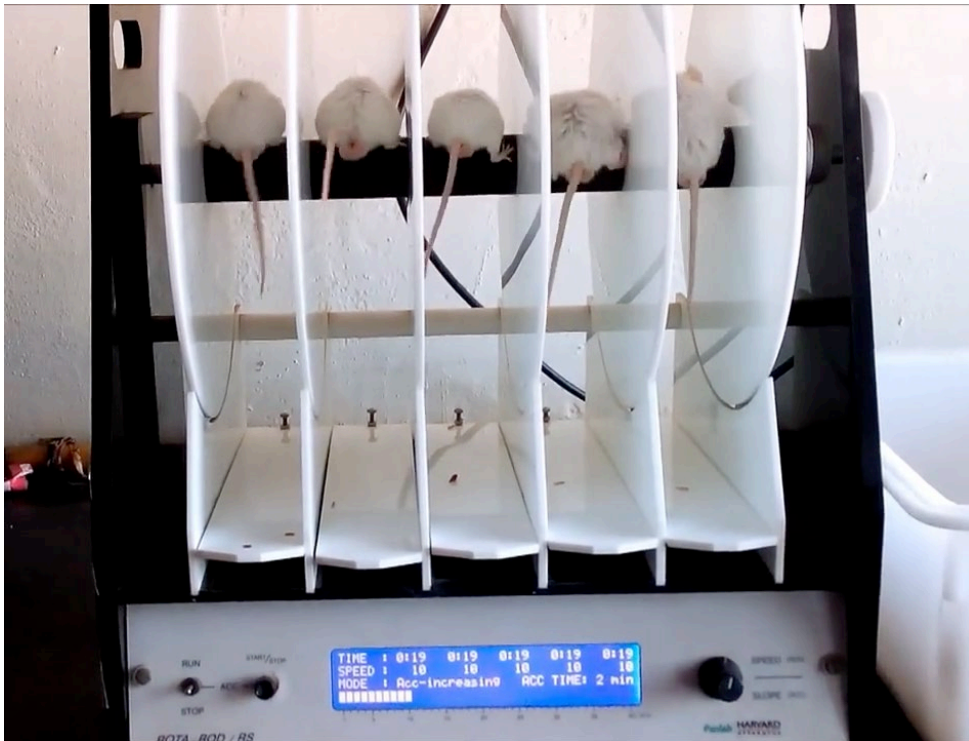
Digital animal studies build high-dimensional signatures of animal behavior and health



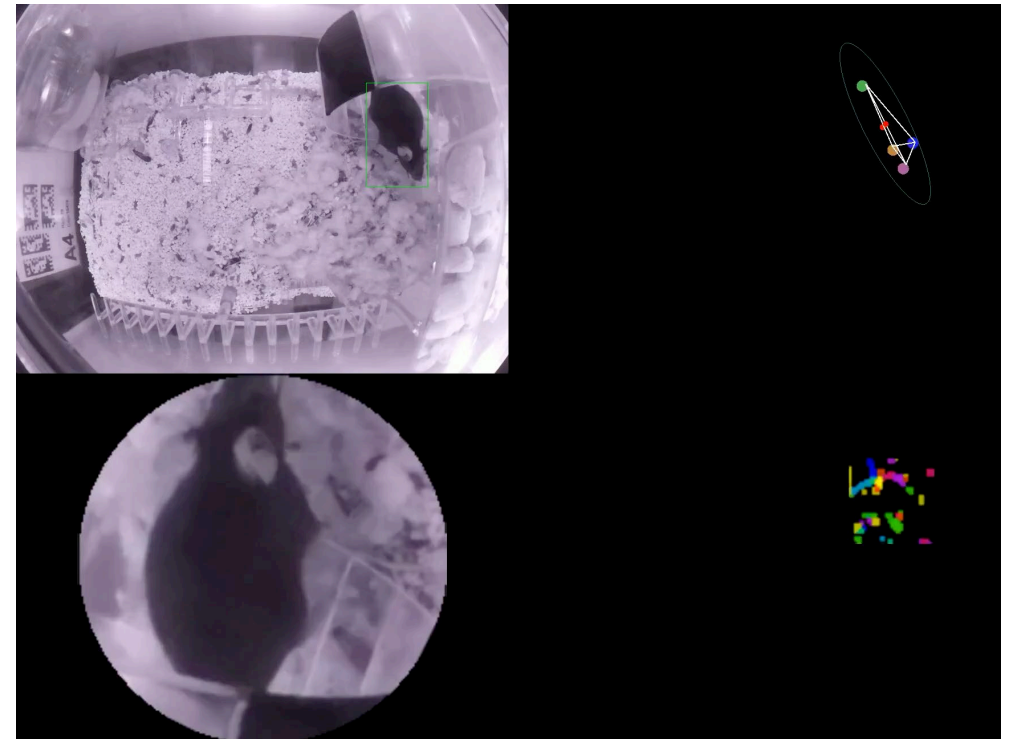
InVivomics measures animal behavior with less bias and more data



Traditional Animal Studies



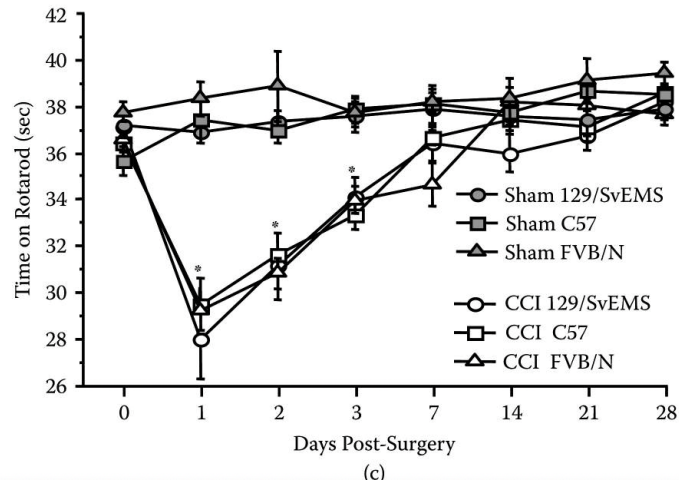
Recursion's Digital Animal Studies



InVivomics measures animal behavior with less bias and more data

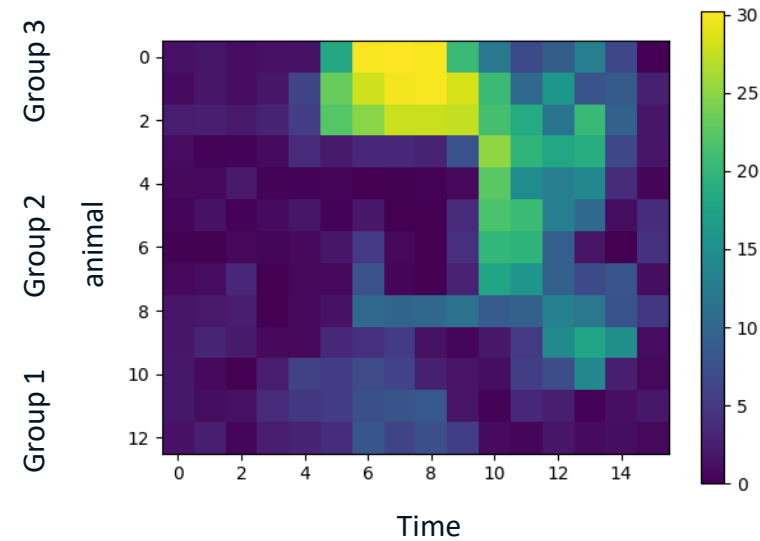


Traditional Animal Studies



- Limited data generation
- Low-dimensional assays
- Influenced by human intervention
- Time-consuming
- Expensive

Recursion's Digital Animal Studies



- Continuous data generation
- High-dimensional assays
- Unbiased
- Faster
- Cost-effective

InVivomics enables faster readouts for critical animal studies



Industry Standard

Recursion



Disease Induction

1 year

vs.

~2 months



Digital Tolerability

1 week

vs.

Real-time



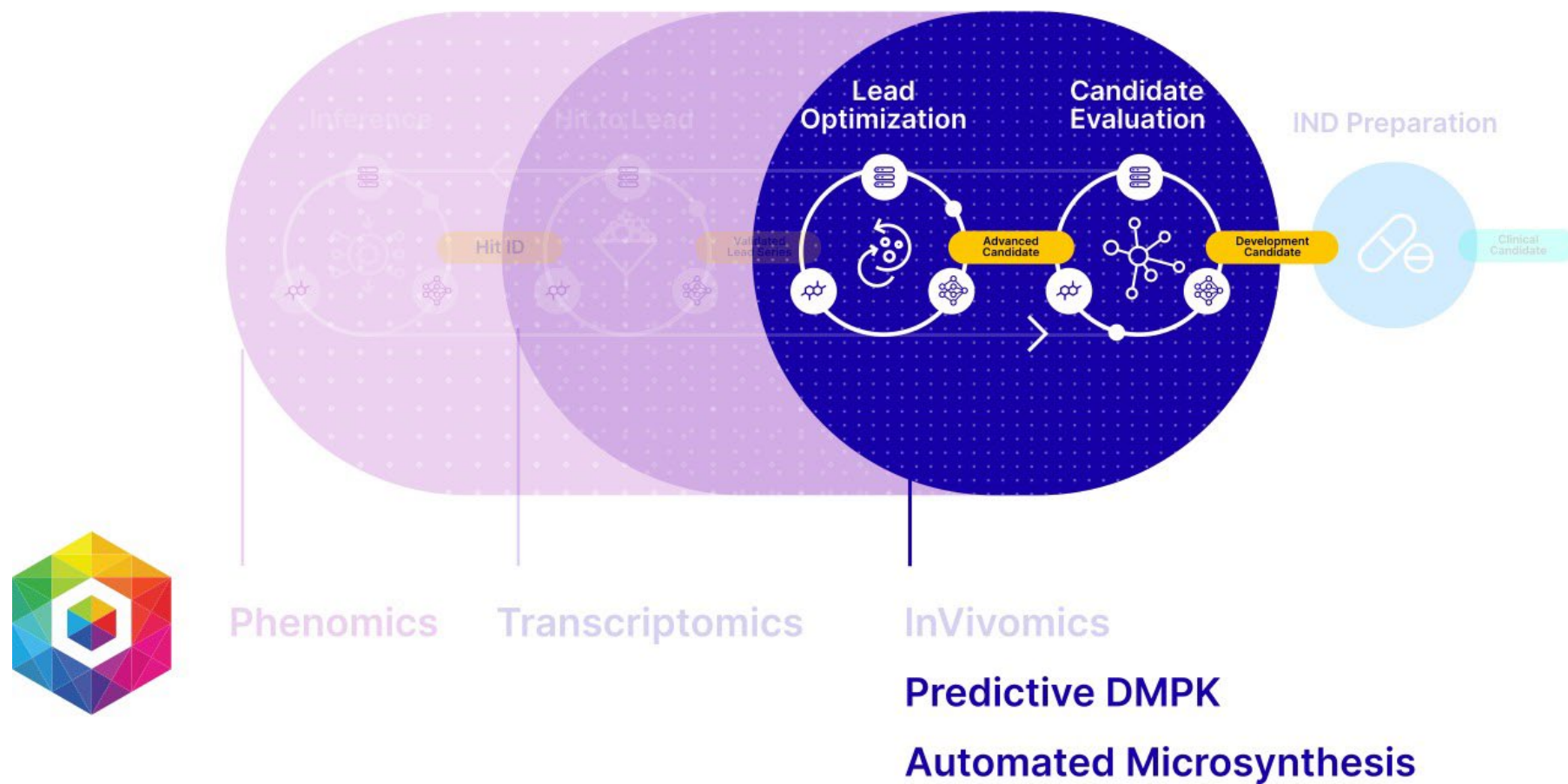
Liability InVivomics

6-8 weeks

vs.

<1 week

Industrialized Optimization



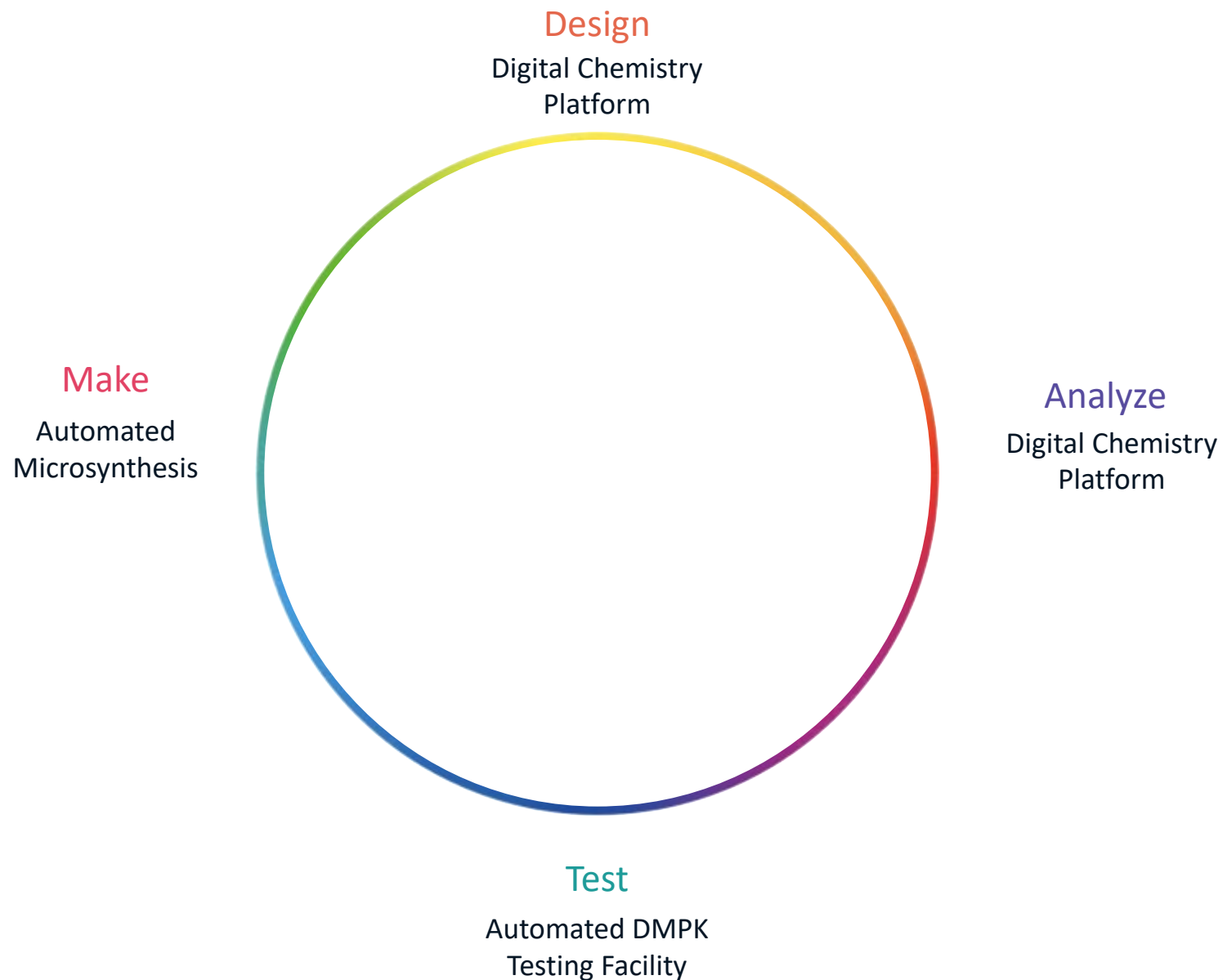
Our vision to integrate digital and robotic chemistry operations



The Impact:

Reduce time to candidate selection from **months** to **weeks**

Our approach will improve the efficiency of the DMTA chemistry cycle, **reducing** the number of cycles, **shrinking** the time required, and **increasing** throughput for each cycle.

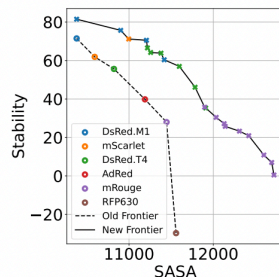
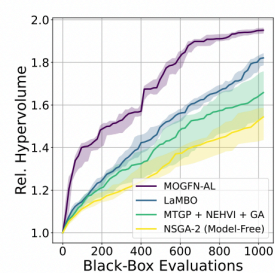


Our vision to integrate digital and robotic chemistry operations



Design
Digital Chemistry
Platform

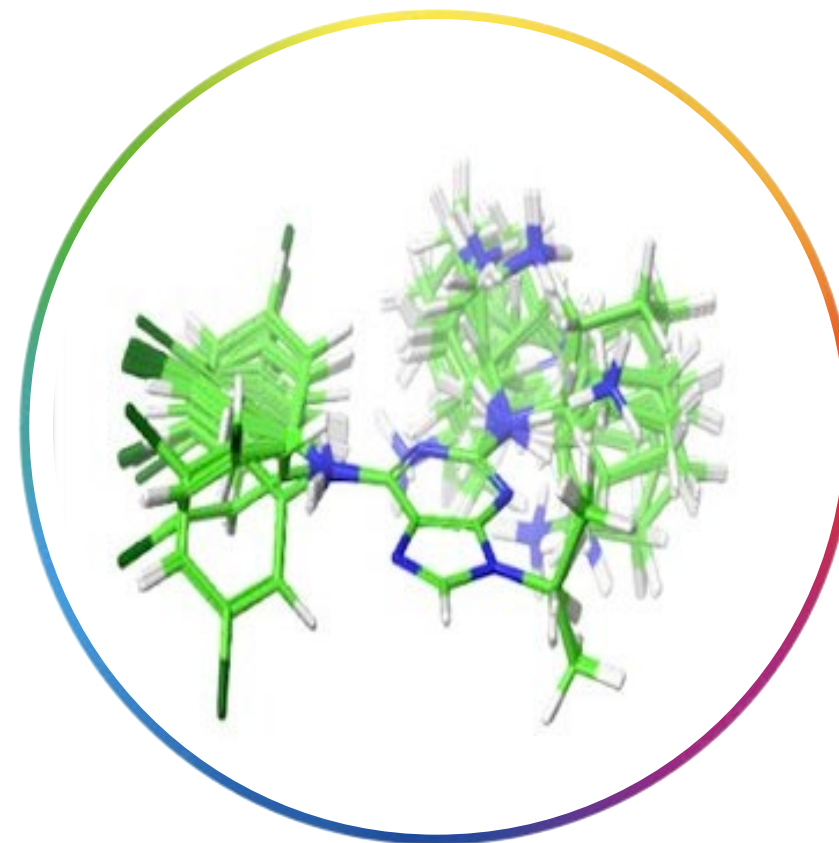
Multi-Objective GFlowNets



Algorithm	Diversity (\uparrow)
NSGA-2	0.07 \pm 0.03
MTGP + NEHVI + GA	0.12 \pm 0.02
LaMBO	0.18 \pm 0.03
MOGFN	0.25 \pm 0.01

Multi-objective generative chemistry

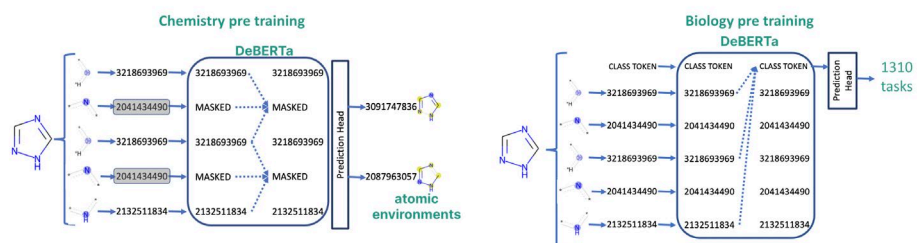
MOGFNs outperform other benchmarked algorithms in numerous multi-objective settings in chemistry.



Our vision to integrate digital and robotic chemistry operations

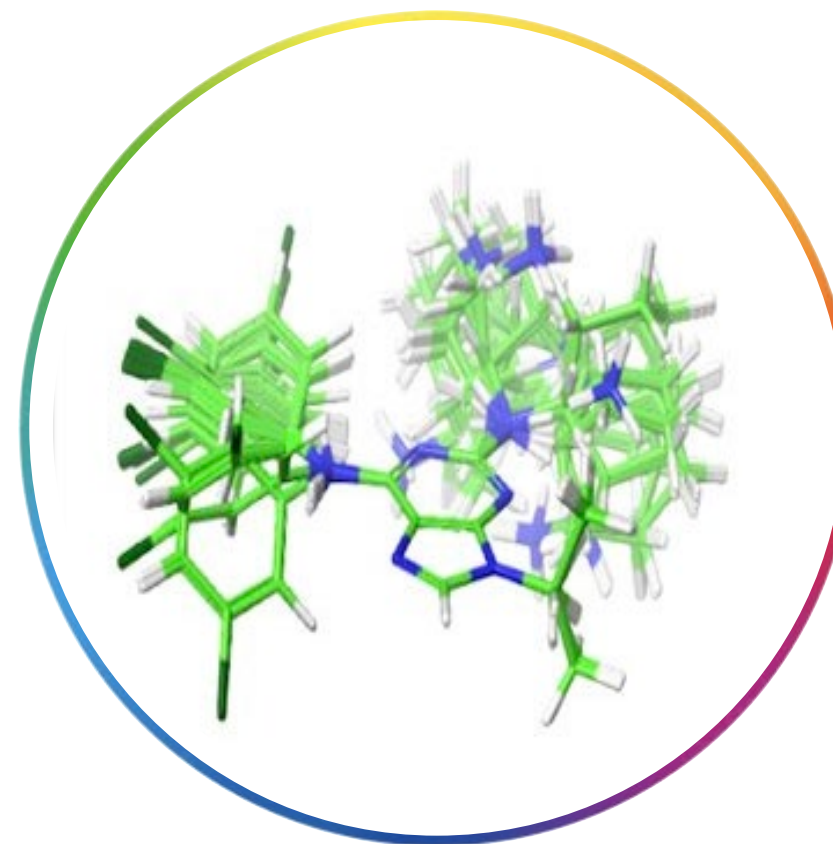


MolE: a molecular foundation model for drug discovery



Foundation models for low-data prediction

MolE achieves #1 or #2 performance on 14 of 22 Therapeutics Data Commons ADMET tasks, including all distribution and metabolism tasks, and #1 in 9 of 22.



Analyze
Digital Chemistry
Platform

Our vision to integrate digital and robotic chemistry operations



Automated DMPK Testing

Recursion proprietary DMPK module designed to test up to 500 compounds / week on three critical DMPK assays, to drive programs and fuel machine learning.



Test

Automated DMPK
Testing Facility

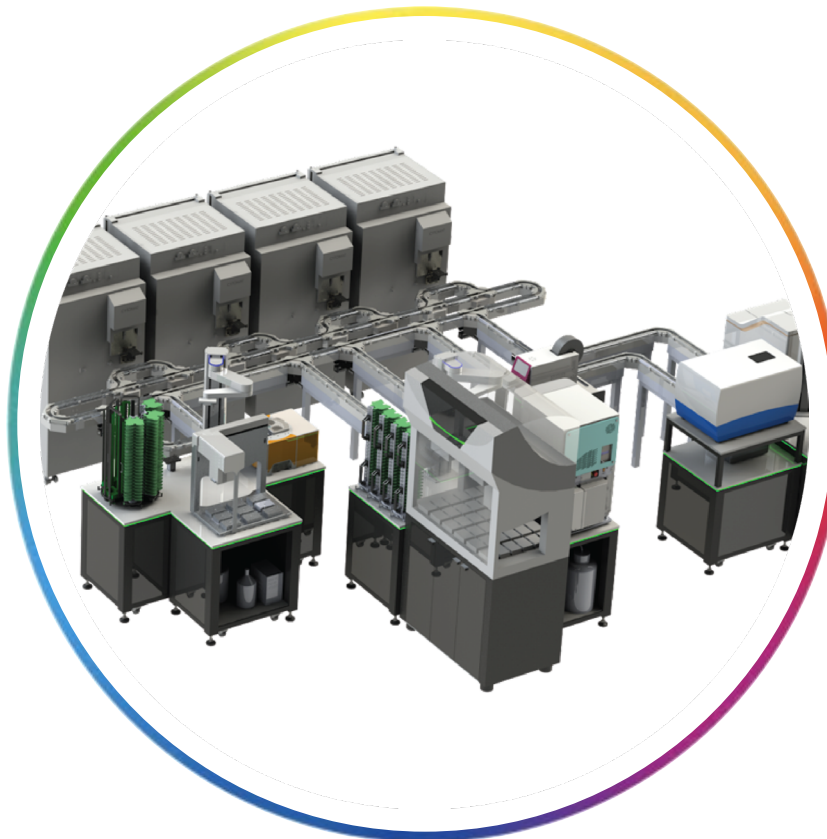
Our vision to integrate digital and robotic chemistry operations



Robotic Synthesis

Automation of chemical synthesis will enable broader SAR and faster turnaround time for active learning cycles.

Make
Automated
Microsynthesis



Empowering scientists with multi-modal maps



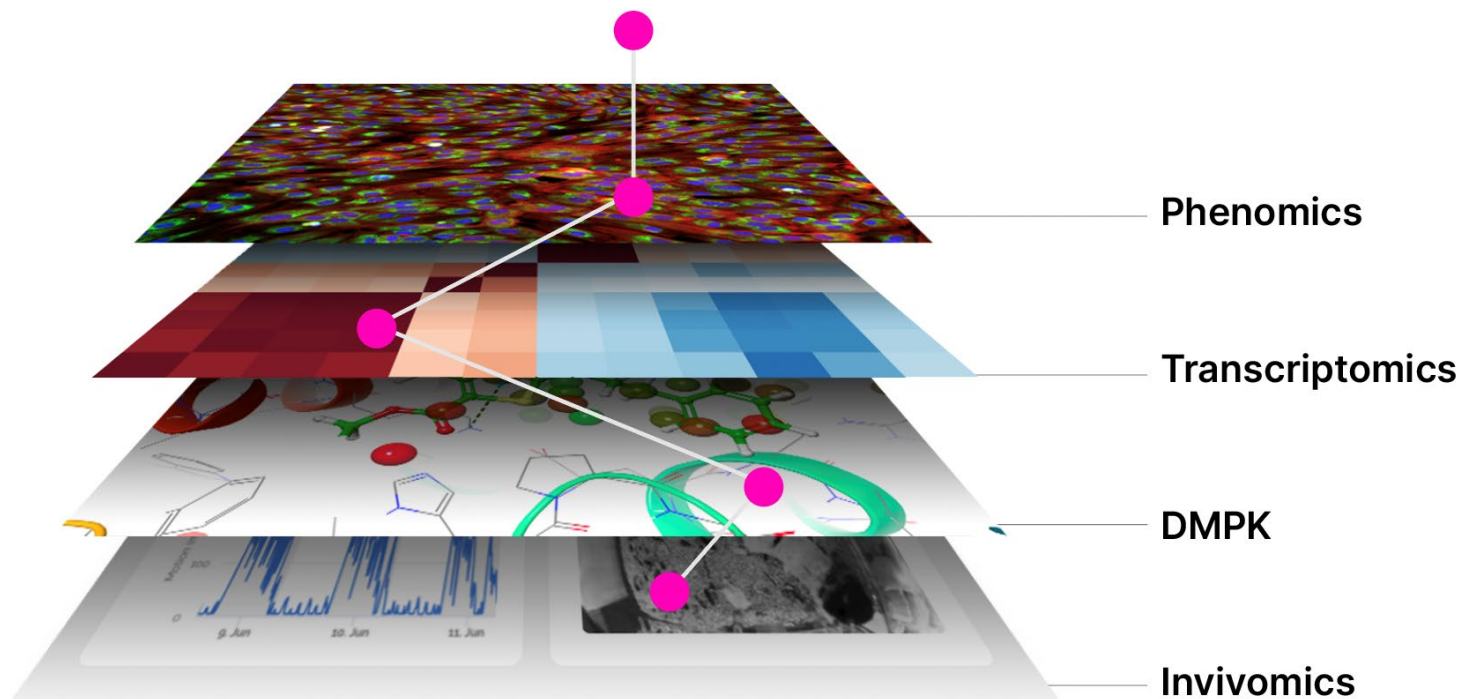
Scalable



Reliable



Relatable

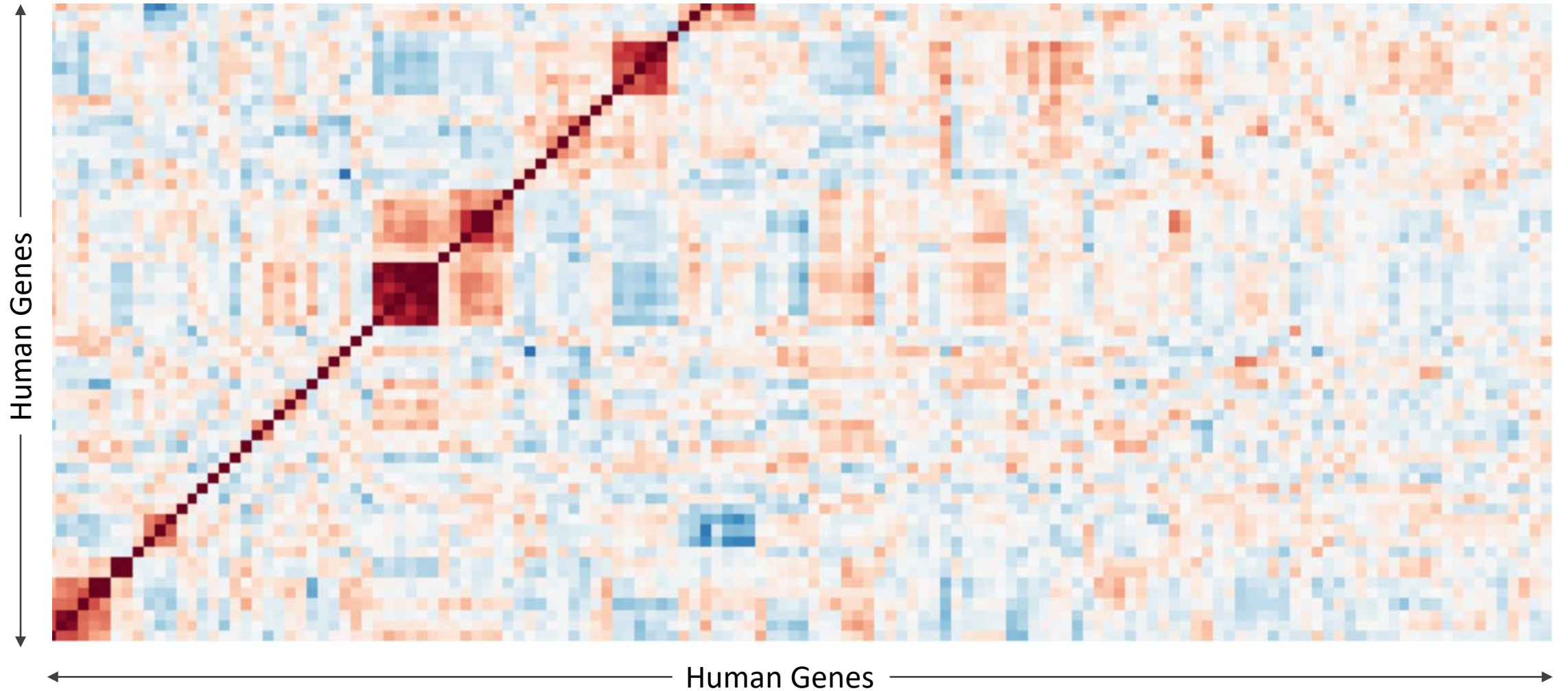


Pre-clinical Opportunities

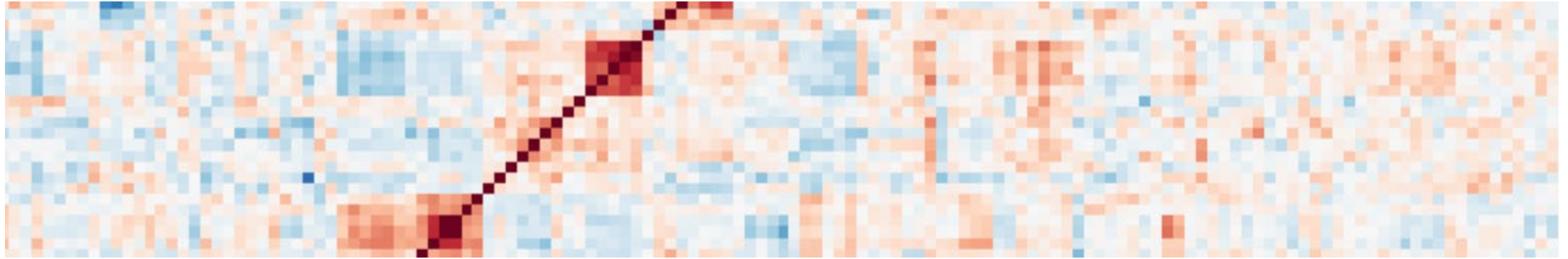
Laura Schaevitz PhD

Senior Vice President, Head of Research

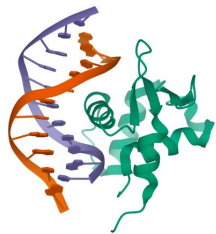
The Recursion OS enables a differentiated capacity to interrogate...



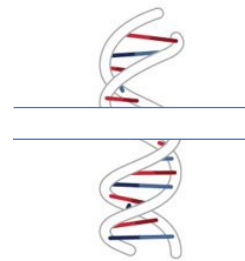
The Recursion OS enables a differentiated capacity to interrogate...



... Challenging biology

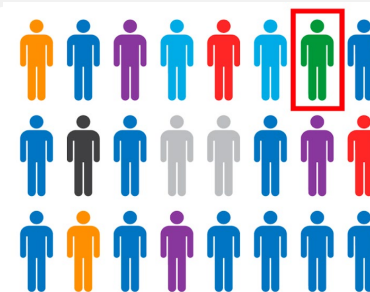


Undruggable targets

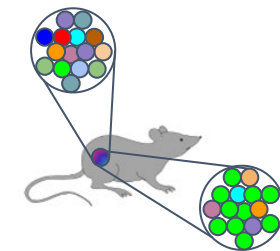


Recovery of function

... Complex datasets

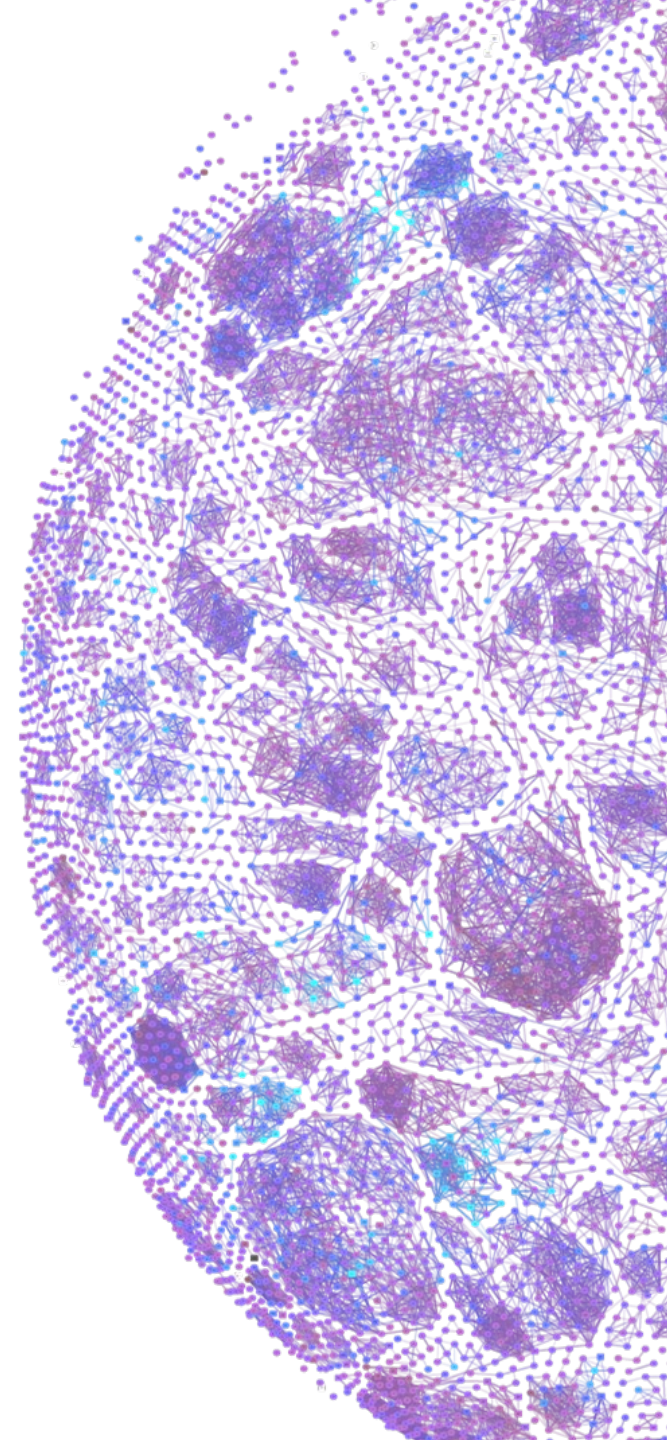


Patient genetics



Complex genetic screens

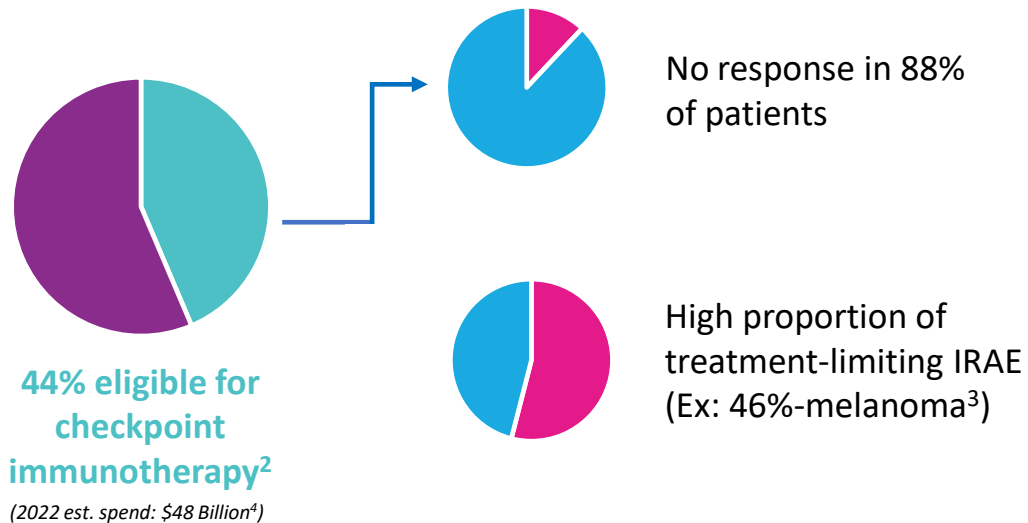
Target Alpha:
Potential first-in-class NCE with
novel MOA to enhance anti-PD-(L)1
response



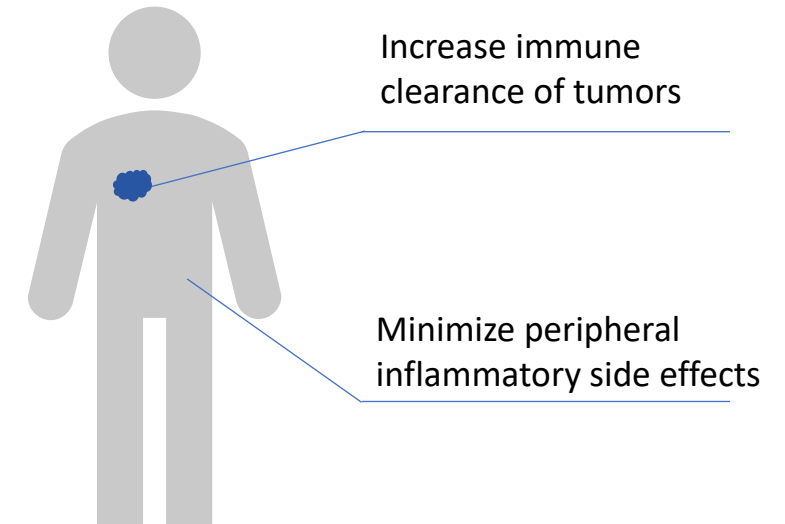
Pre-clinical: Target α

Ideal immunotherapy combination improves patient response and minimizes immune-related adverse events (IRAE)

1.9M US patients diagnosed with cancer in 2022¹



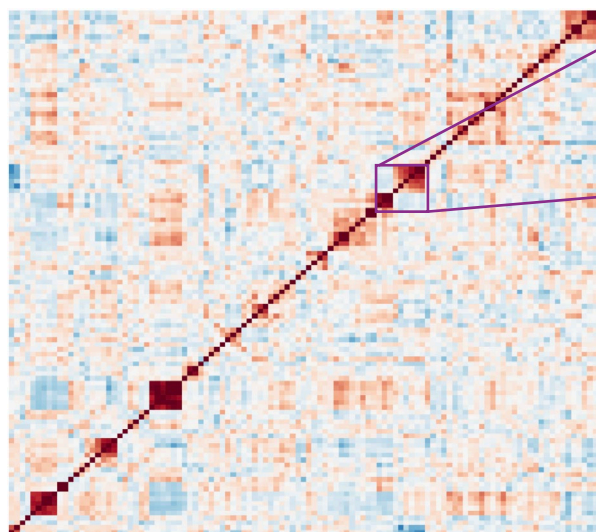
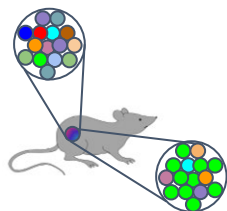
Recursion's Goal



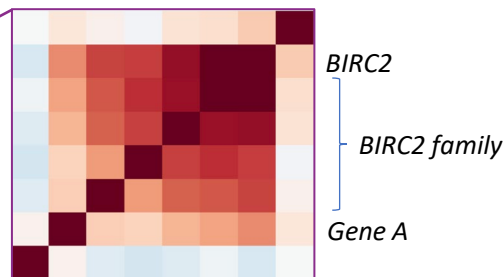
Pre-clinical: Target α

Potential first-in-class NCE with novel MOA to enhance anti-PD-(L)1 response

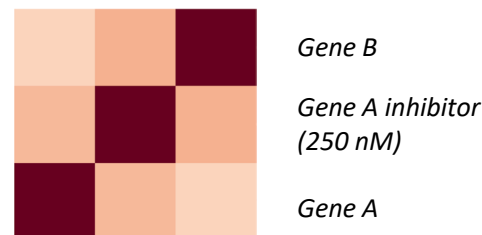
1 Evaluation of 110 sensitization and resistance markers from public pooled CRISPR screens¹ in the Recursion Map



2 Identification of an unexpected, druggable gene similar to *BIRC2*



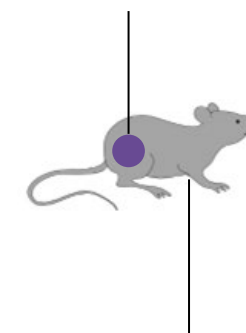
New target identified for annotated Gene A inhibitor



3 Identification of novel dual-targeting checkpoint modifier

Monitor local immune engagement:

Show immune-based clearance and associated cytokines



Measure peripheral inflammation:

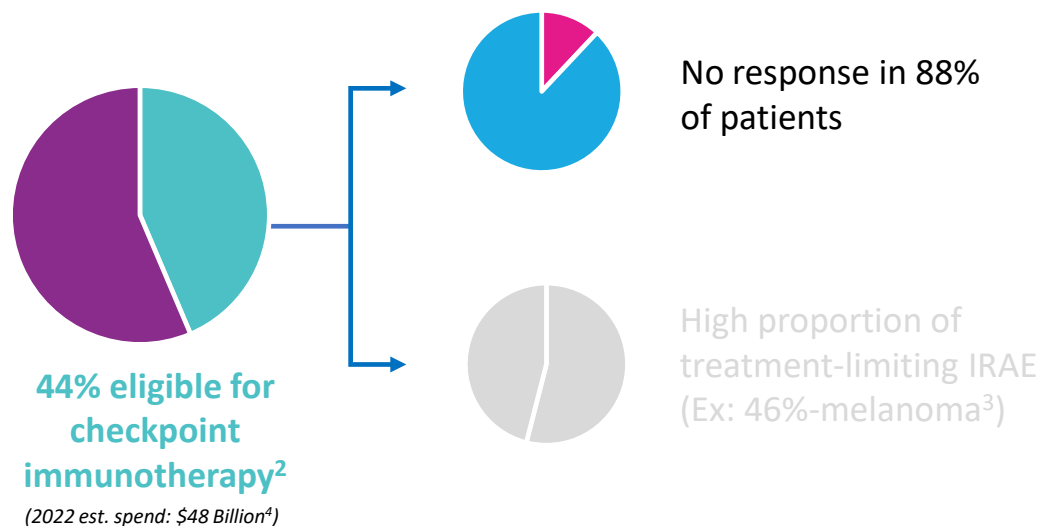
Show reduced inflammatory risk



Pre-clinical: Target α

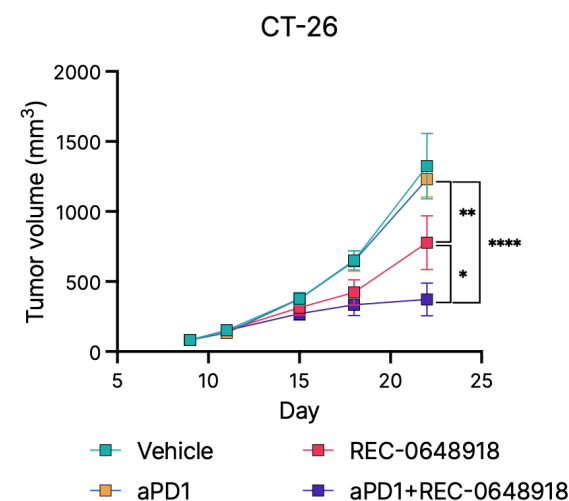
Alpha series achieves in vivo tumor response while minimizing peripheral inflammation

1.9M US patients diagnosed with cancer in 2022¹

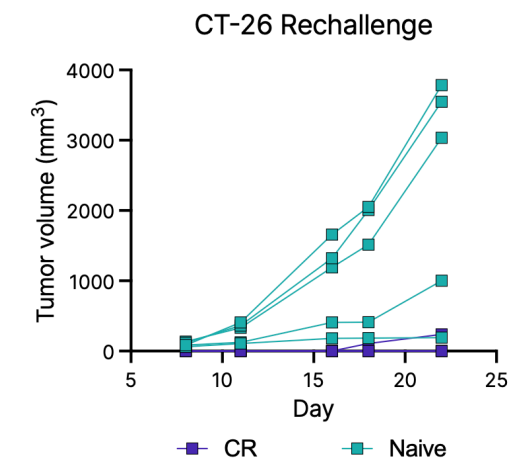


In vivo response: tumor clearance

Potential of immunotherapy



Immunological memory



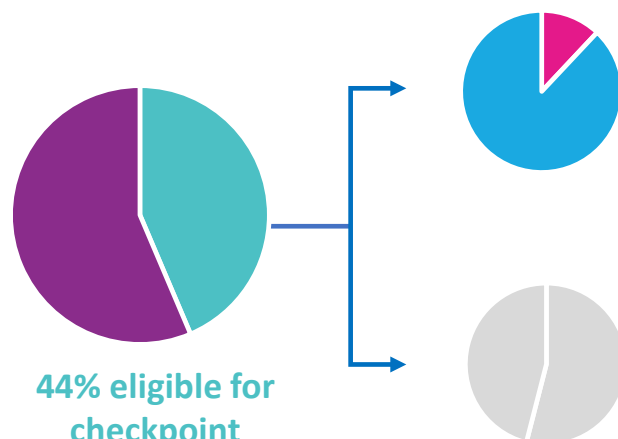
1. Cancer.gov 2. Haslam, A.; et al. JAMA Netw Open. 2019, 2, e192535. 2. Valentin,J.; et al. Journal of Oncology, Volume 2021, Article ID 5524685. 3. Ghisoni,E.; et al. European Journal of Cancer 149, 2021, 153; 4. Evaluate Pharma



Pre-clinical: Target α

Alpha series achieves in vivo tumor response while minimizing peripheral inflammation

1.9M US patients diagnosed with cancer in 2022¹



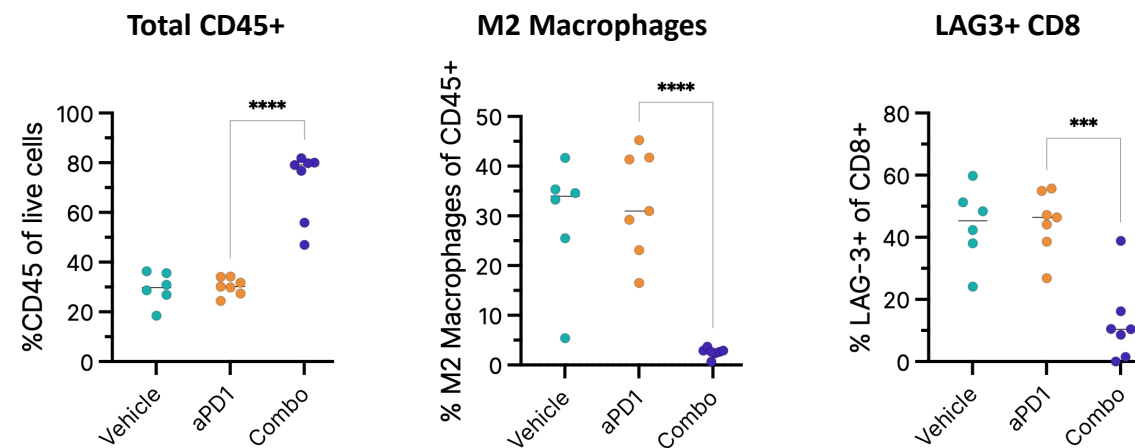
44% eligible for checkpoint immunotherapy²

(2022 est. spend: \$48 Billion⁴)

No response in 88% of patients

High proportion of treatment-limiting IRAE (Ex: 46%-melanoma³)

In vivo response: tumor clearance



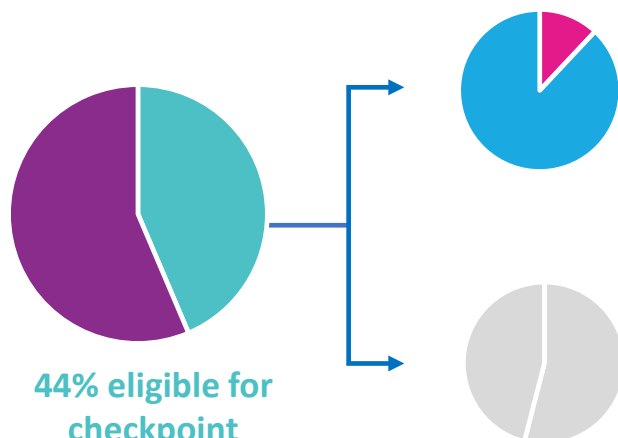
1. Cancer.gov 2. Haslam, A.; et al. JAMA Netw Open. 2019, 2, e192535. 2. Valentin,J.; et al. Journal of Oncology, Volume 2021, Article ID 5524685. 3. Ghisoni,E.; et al. European Journal of Cancer 149, 2021, 153; 4. Evaluate Pharma



Pre-clinical: Target α

Alpha series achieves in vivo tumor response while minimizing peripheral inflammation

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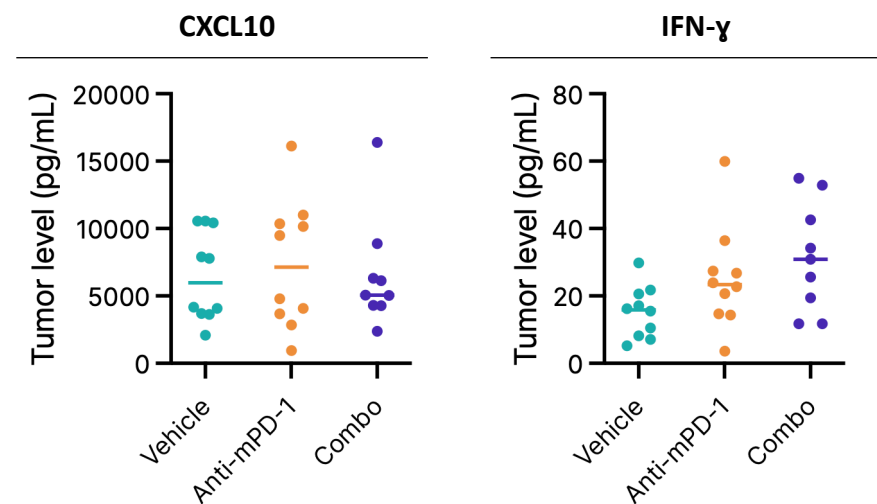
No response in 88% of patients

High proportion of treatment-limiting IRAE (Ex: 46%-melanoma³)

44% eligible for checkpoint immunotherapy²

(2022 est. spend: \$48 Billion⁴)

In vivo response: cytokine

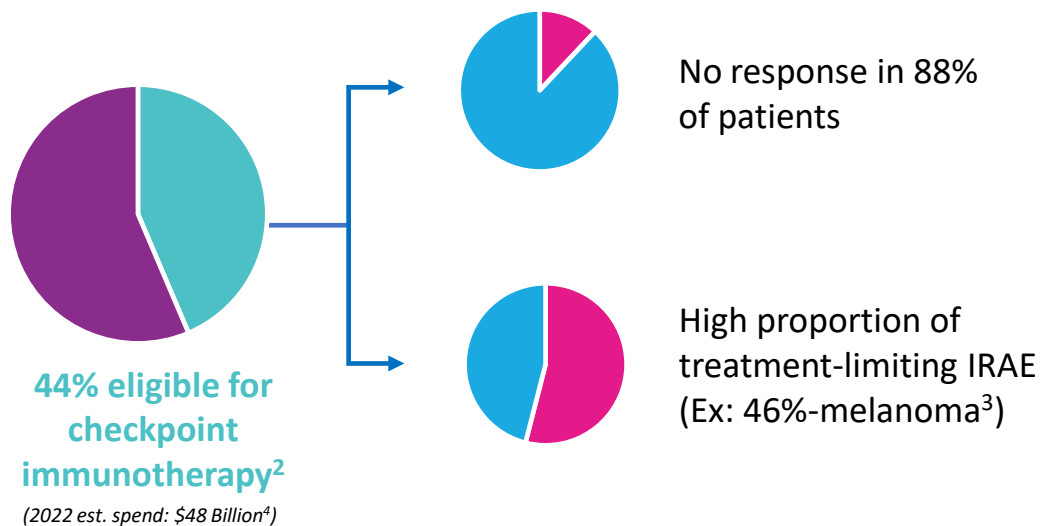




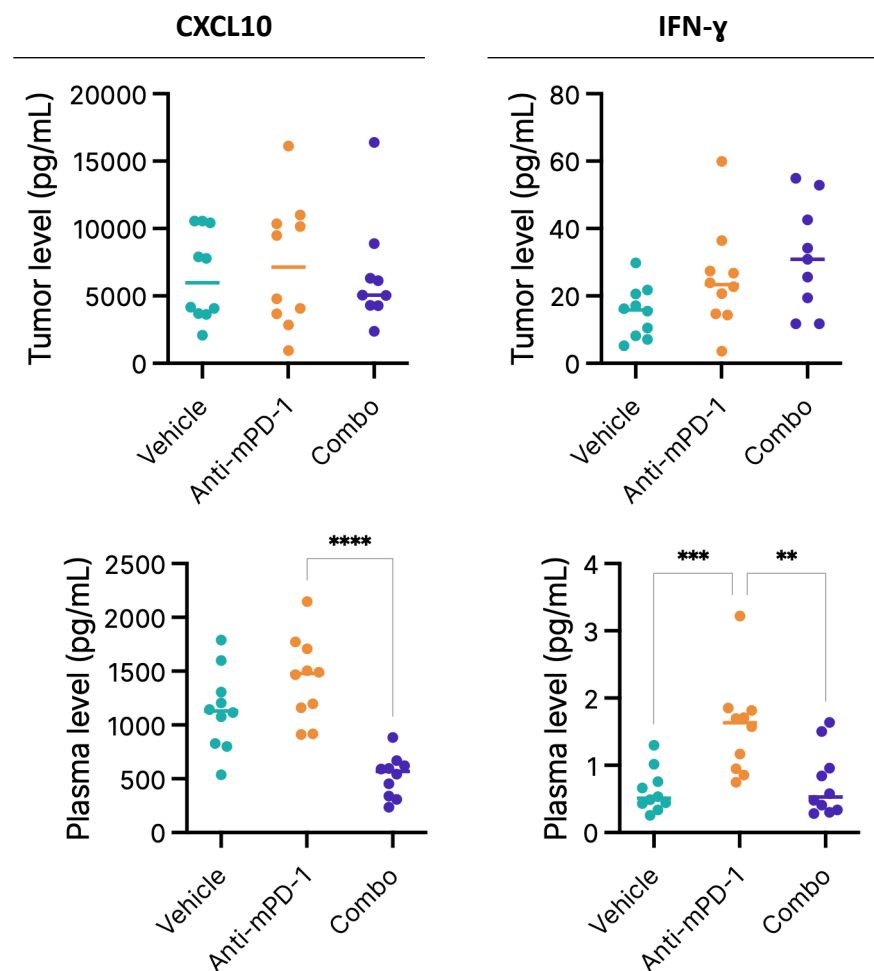
Pre-clinical: Target α

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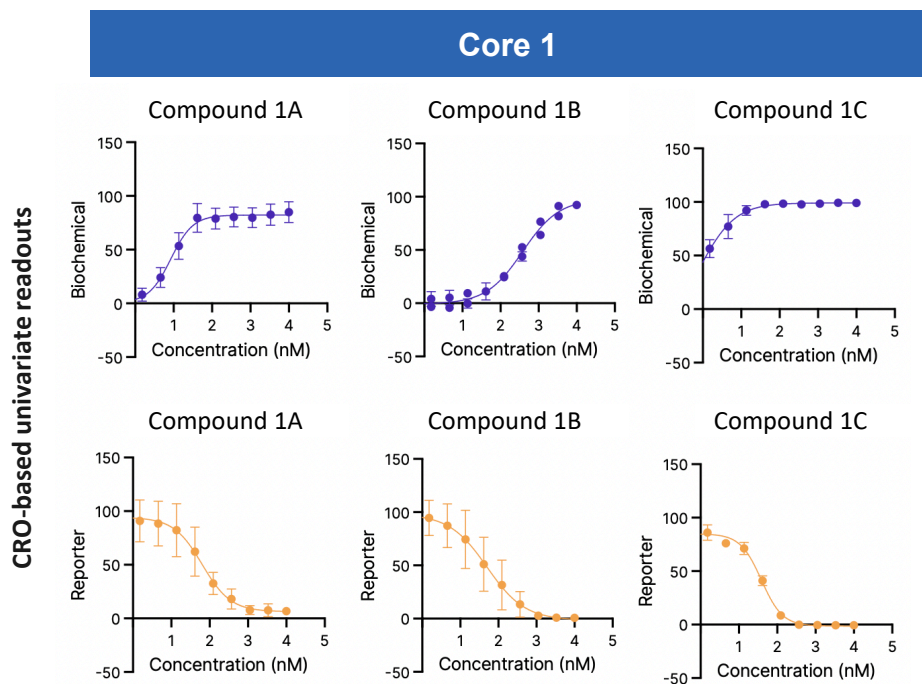
In vivo response: cytokine



1. Cancer.gov 2. Haslam, A.; et al. JAMA Netw Open. 2019, 2, e192535. 2. Valentin, J.; et al. Journal of Oncology, Volume 2021, Article ID 5524685. 3. Ghisoni, E.; et al. European Journal of Cancer 149, 2021, 153; 4. Evaluate Pharma

Pre-clinical: Target α

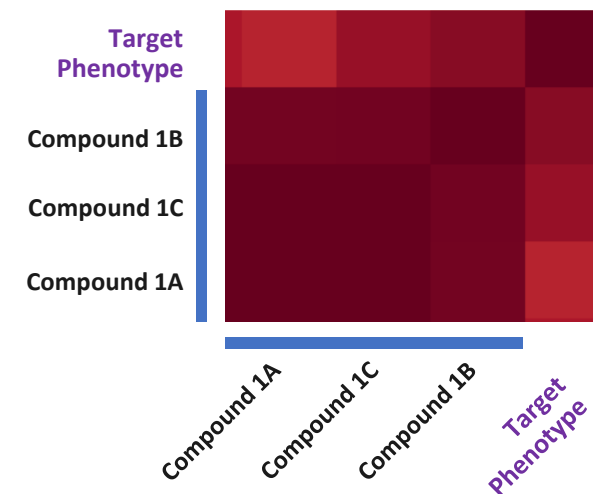
Map-guided compound optimization



1 Medicinal chemistry efforts deployed to improve potency

2 Cellular and biochemical assays show clear SAR

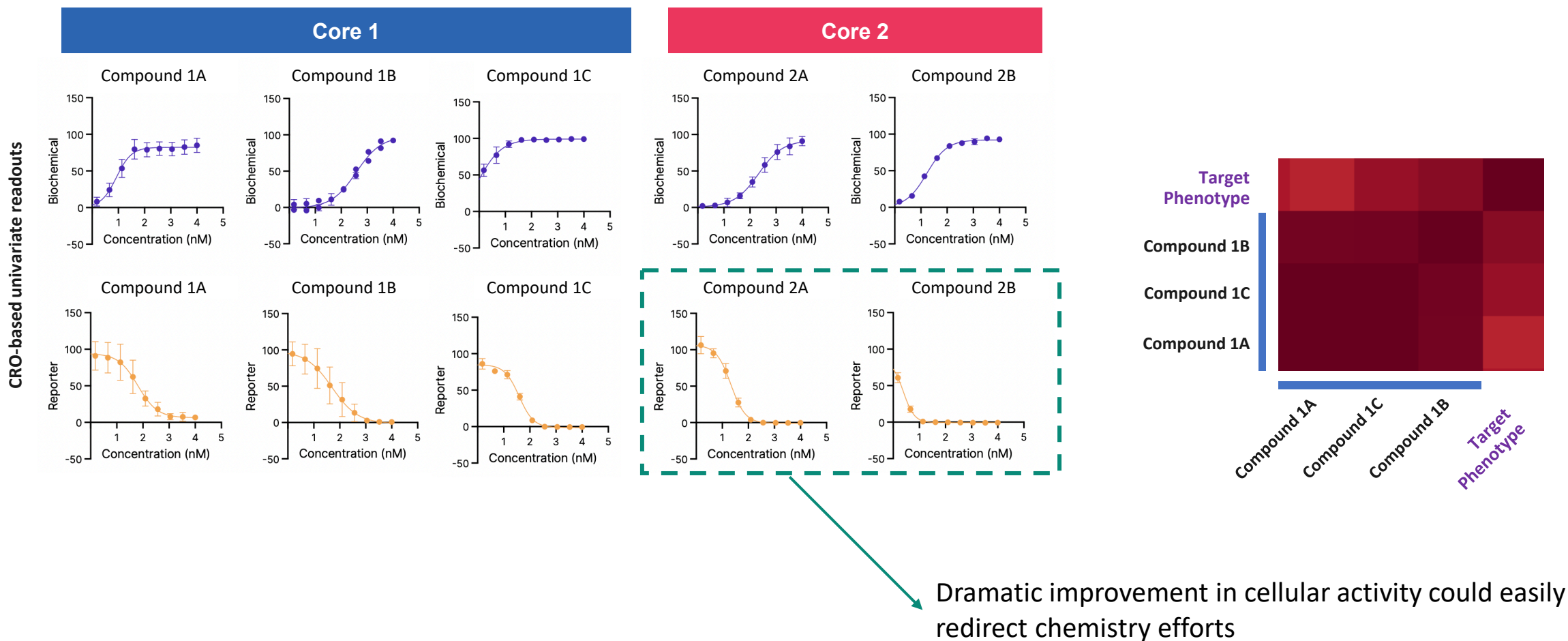
3 Phenotype maintained as NCE progress





Pre-clinical: Target α

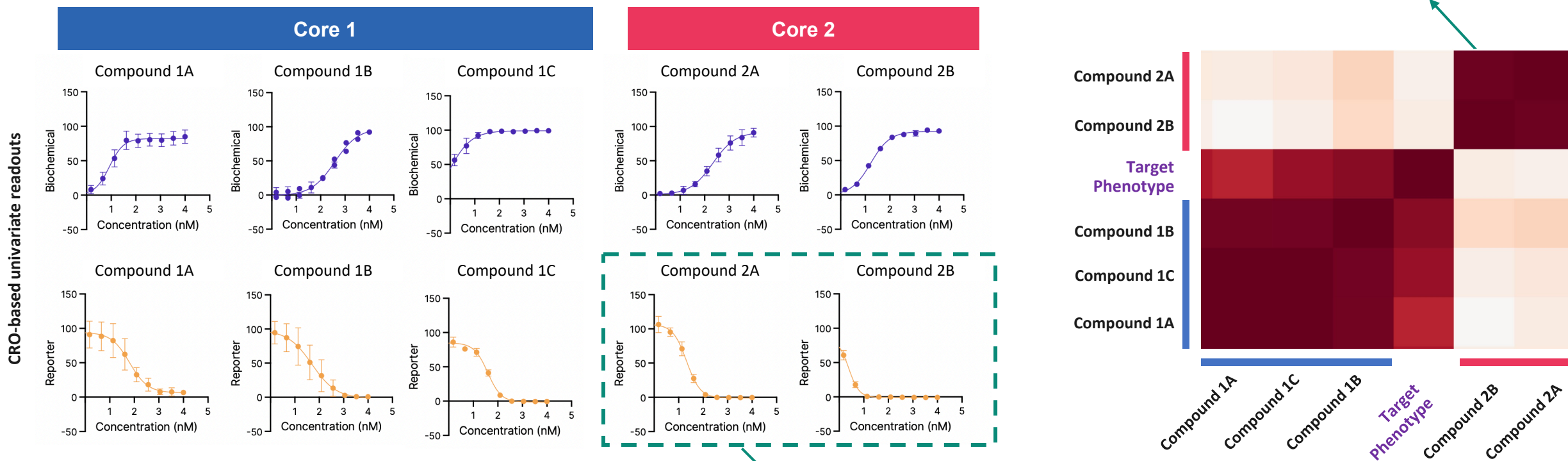
Phenomics captures total polypharmacologic activity of compounds and uncovers dramatic changes missed by univariate assays





Pre-clinical: Target α

Phenomics captures total polypharmacologic activity of compounds and uncovers dramatic changes missed by univariate assays

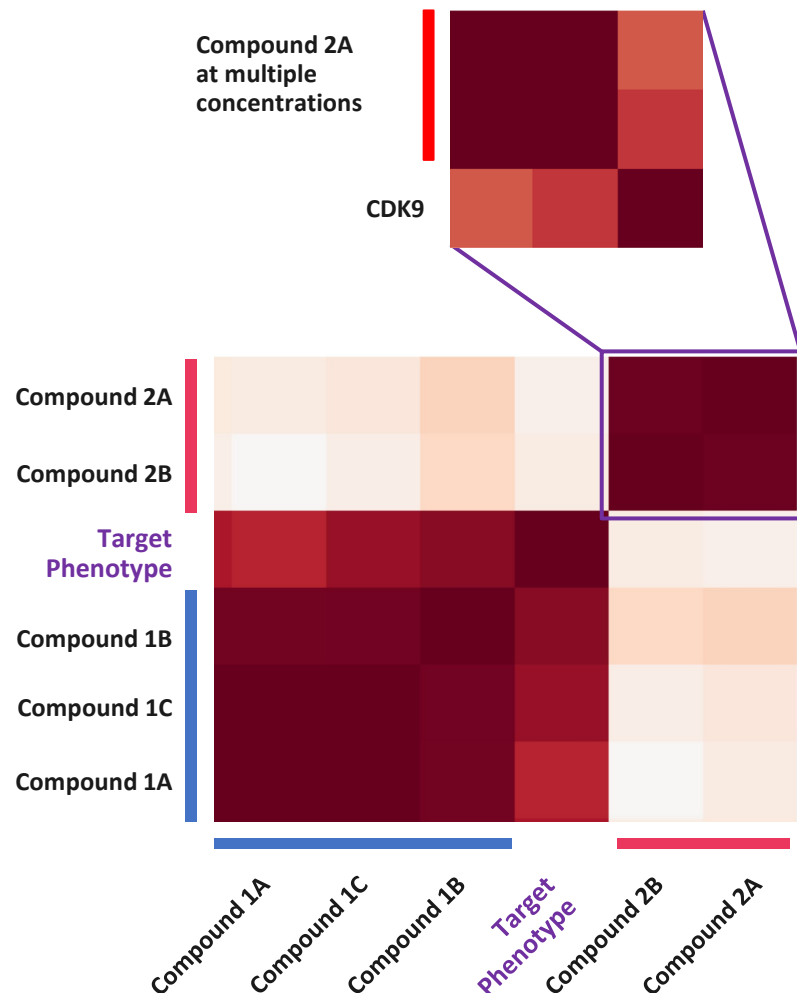


Map-detected a divergent phenotype

Dramatic improvement in cellular activity could easily redirect chemistry efforts

Pre-clinical: Target α

Phenotype immediately redirects series away from unwanted activity



Immediately-deprioritized series

- 1 Despite activity in target and cellular assays, the compound series generated a clearly separate phenotype
- 2 Synthesis efforts immediately realigned on original series core
- 3 New series annotated as CDK9 inhibitor by map inference and confirmed by biochemical assay

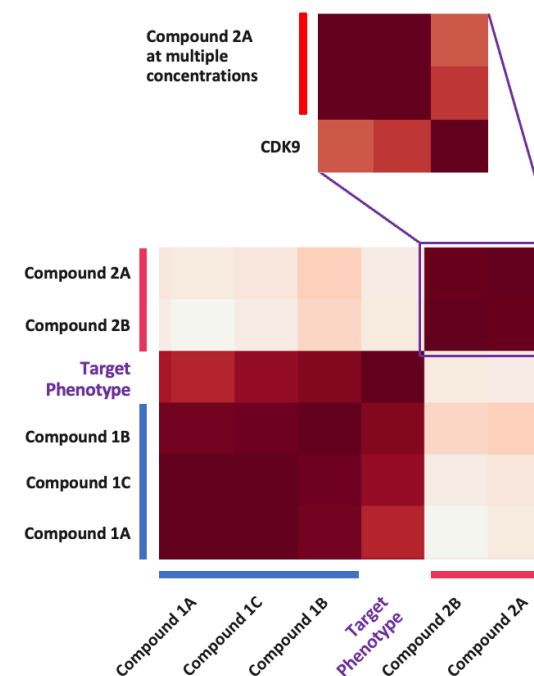
Pre-clinical: Target α

Recursion OS essential to discovering program insights and driving efficient compound optimization

- 1 Unbiased discovery of an exciting dual targeting compound that appears to both enhance anti-PD1 response, while also decreasing peripheral inflammation

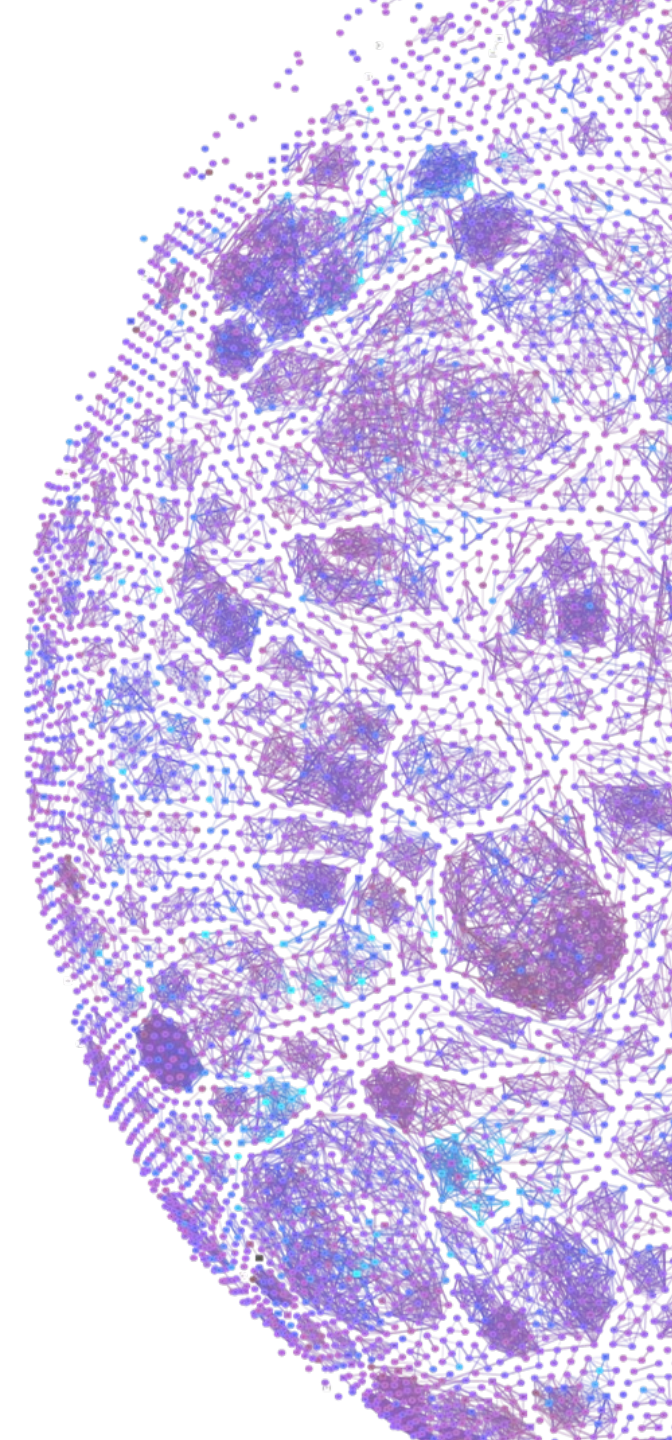


- 2 Recursion OS augmented our medicinal chemistry team enabling efficient optimization efforts on a molecule with essential polypharmacology



Target Gamma:

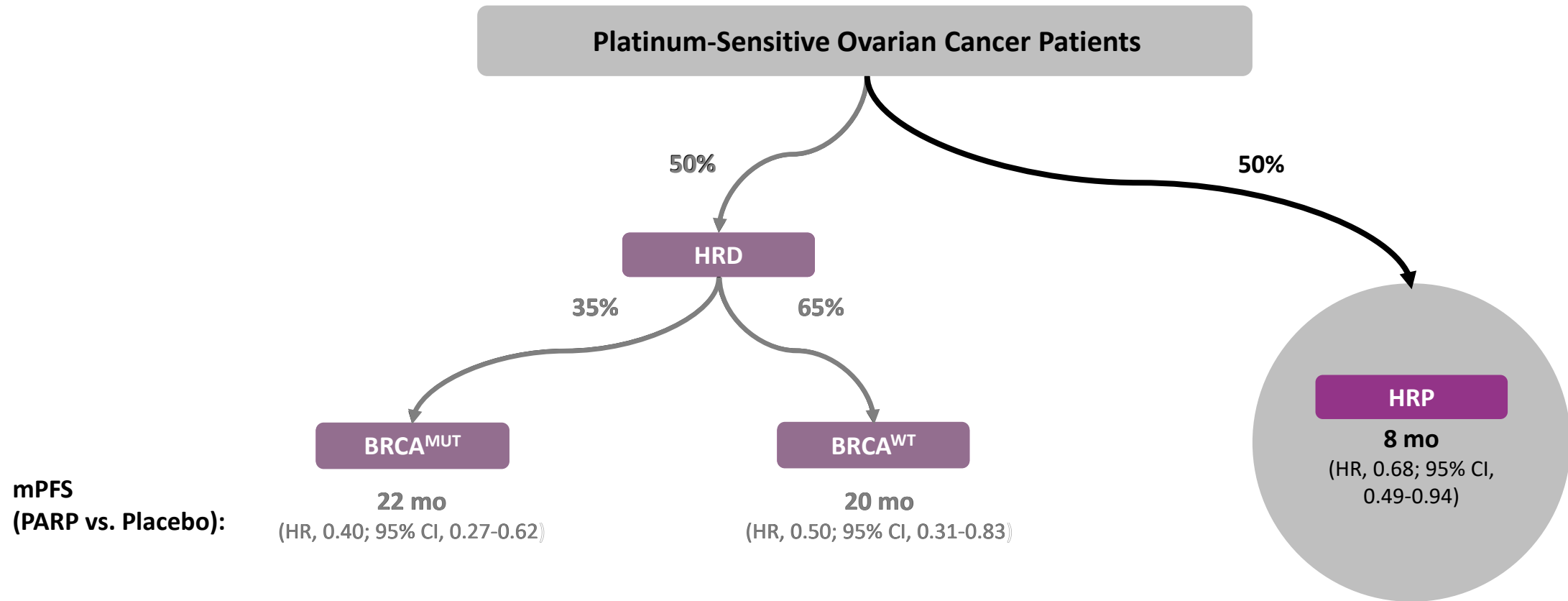
Novel CDK12-adjacent target,
RBM39, for potentially treating
HRD-negative ovarian cancer



Pre-clinical: Target γ

Clinical benefit of PARP inhibitors is limited in HRD-negative (HR-proficient) ovarian cancer patients

Data from cohort analysis of Phase 3 PRIMA trial for niraparib

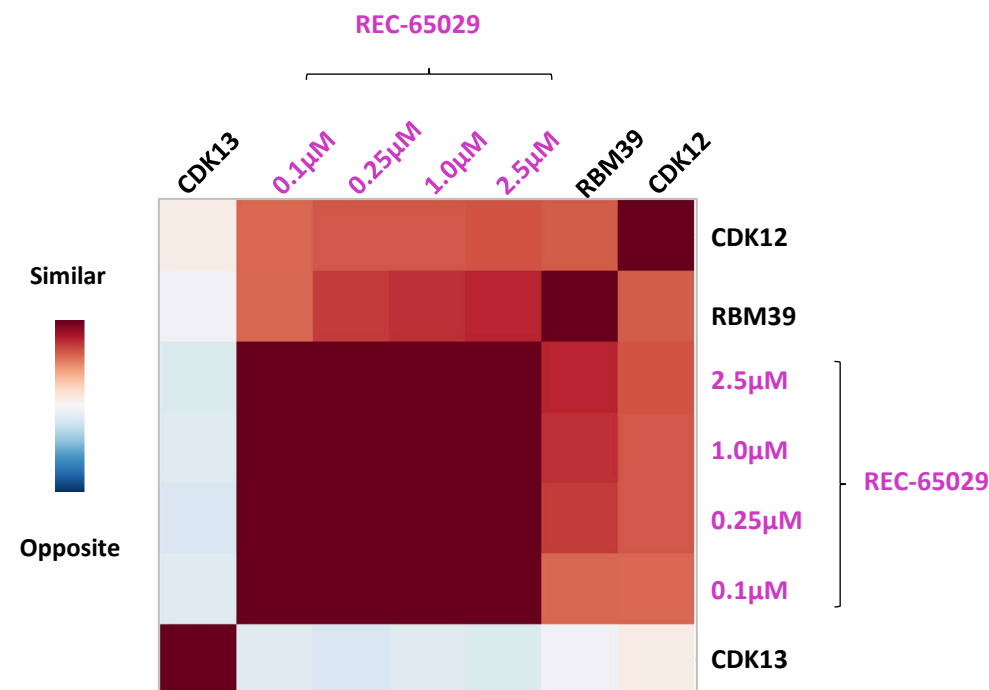


NCT02655016, N=733 patients with newly diagnosed, advanced ovarian cancer who responded to frontline platinum-based chemotherapy 2:1 to receive niraparib (n = 487) or placebo (n = 246). Niraparib is the only approved PARP in Ovarian cancer patients with HRP disease
HRD: Homologous Recombination Repair Deficient
HRP: Homologous Recombination Repair Proficient

Pre-clinical: Target γ

Novel CDK12-adjacent target, RBM39, for potentially treating HR-proficient ovarian cancer

- CDK12 has been advanced as a target to improve response in the HR-proficient setting
- Selective inhibition of CDK12 over other CDKs, especially CDK13, is very challenging
- Inhibition of target RBM39 (for example, with **REC-65029**) may mimic inhibition of CDK12 while mitigating toxicity due to CDK13 inhibition



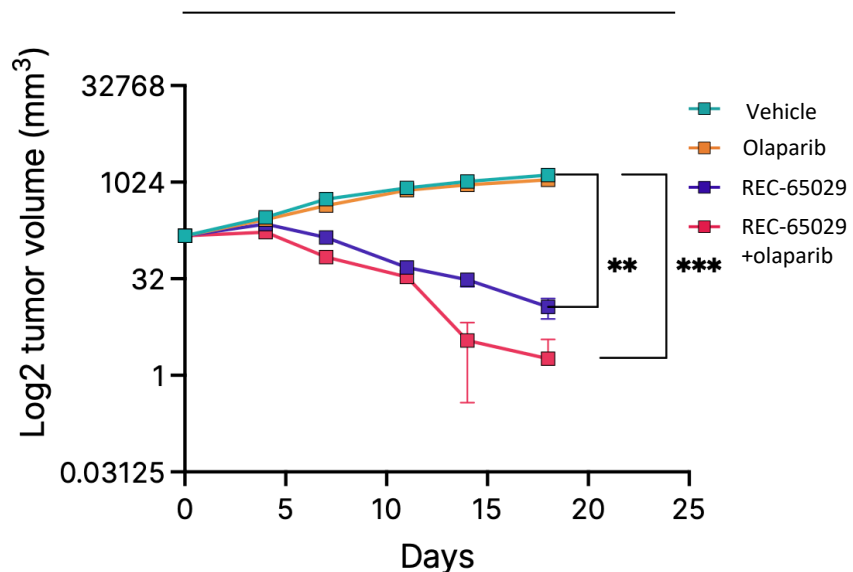


Pre-clinical: Target γ

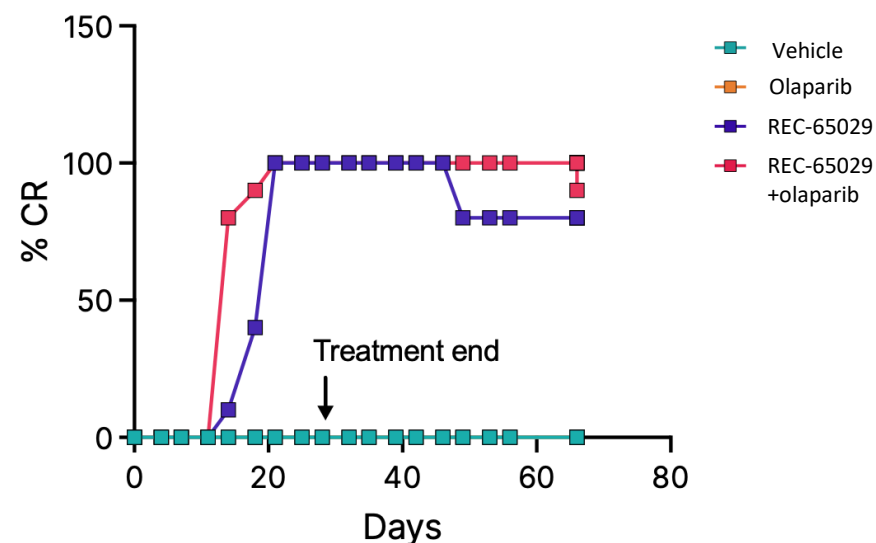
Novel CDK12-adjacent target, RBM39, induces tumor regression alone or in combination with PARPi in vivo

HR-proficient ovarian cancer PDX

Tumor volume



Increase in rate to CR, durability in combination

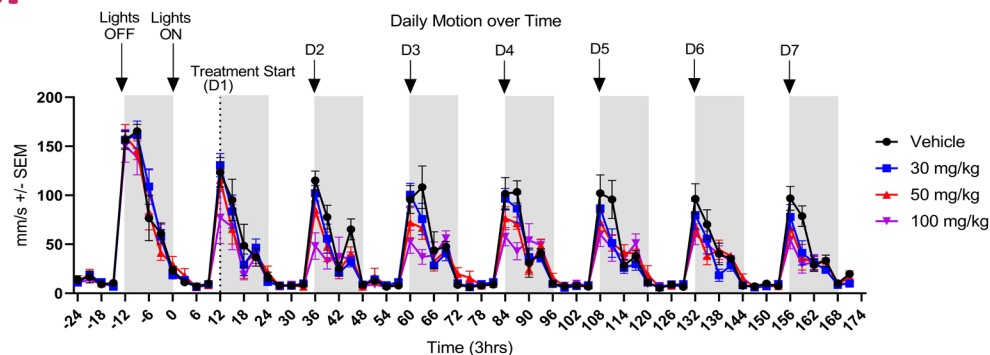


Pre-clinical: Target γ

Recursion OS-guided digital tolerability with InVivomics minimized unexpected safety risk earlier

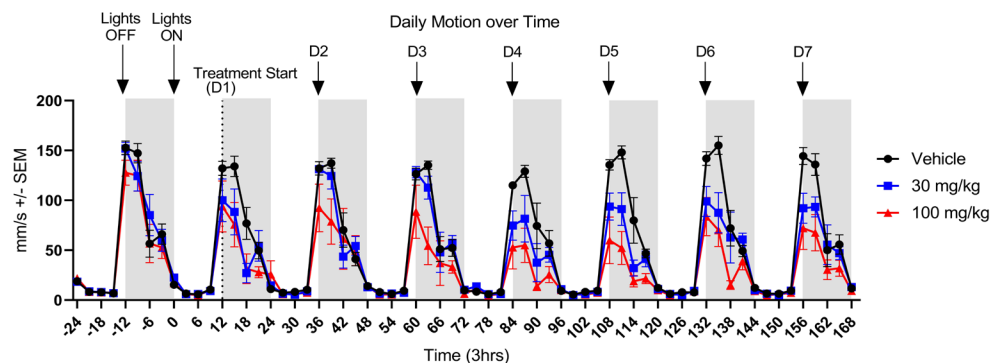
1

REC-0065029 is tolerated at an efficacious dose



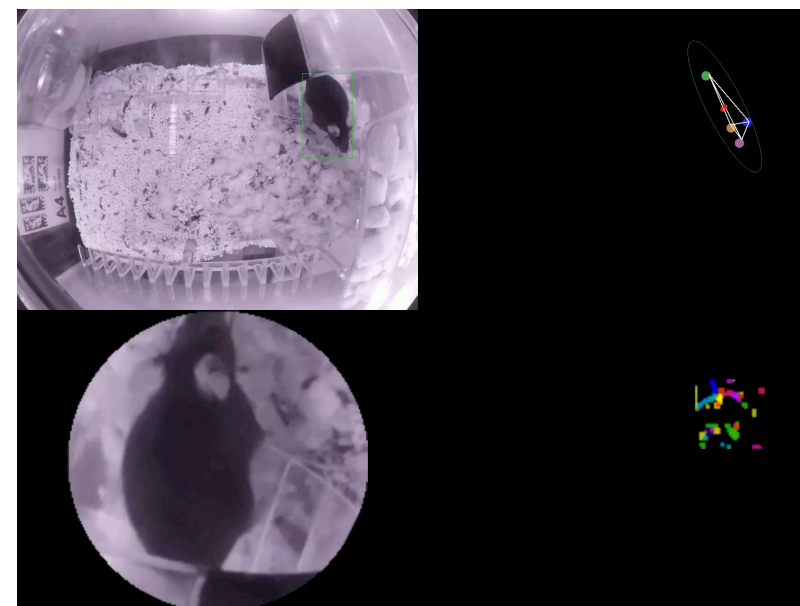
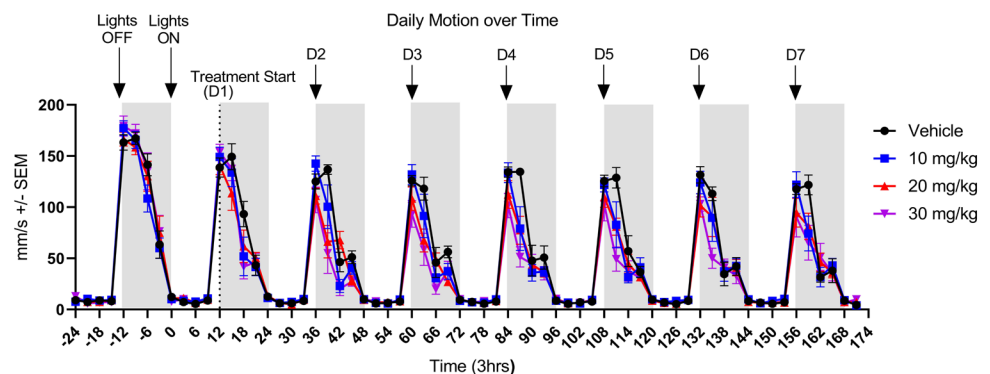
2

Digital tolerability uncovers safety concern for REC-1170204 at an efficacious dose



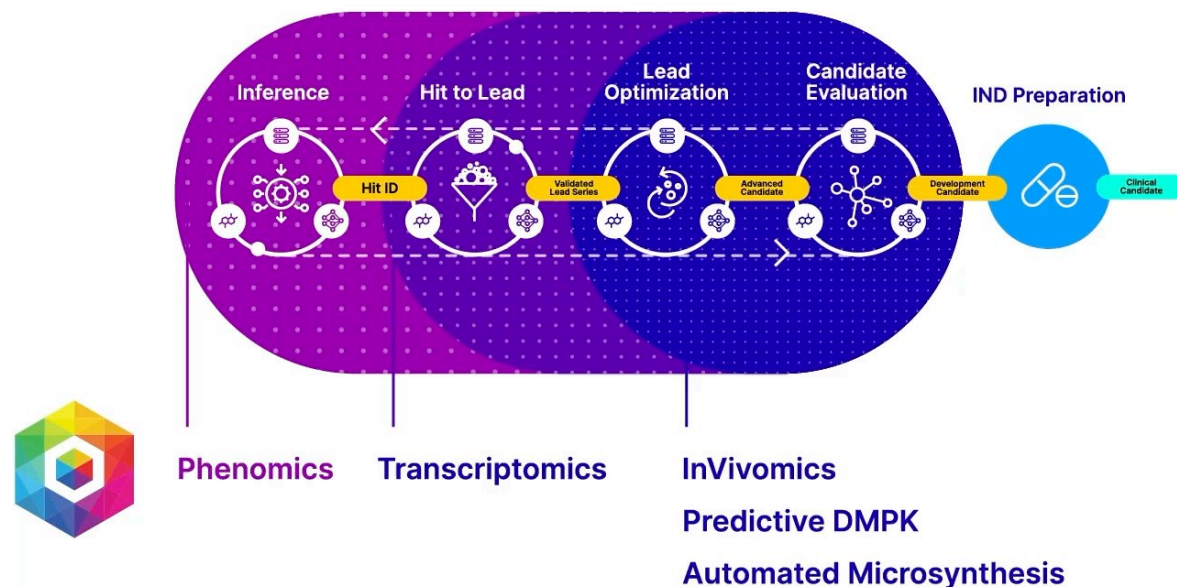
3

REC-1321245 demonstrates improved tolerability at efficacious doses



Looking ahead to 2023 and beyond

- ❑ Target Alpha and Gamma reaching IND-enabling studies in 2023
- ❑ Continuing to augment our digital chemistry and predictive capabilities (property assessment, DMPK, ADMET, etc.)
- ❑ Continuing to drive potential first-in-disease or first-in-class programs at greater automation and scale



RxRx3 Dataset & MolRec Application

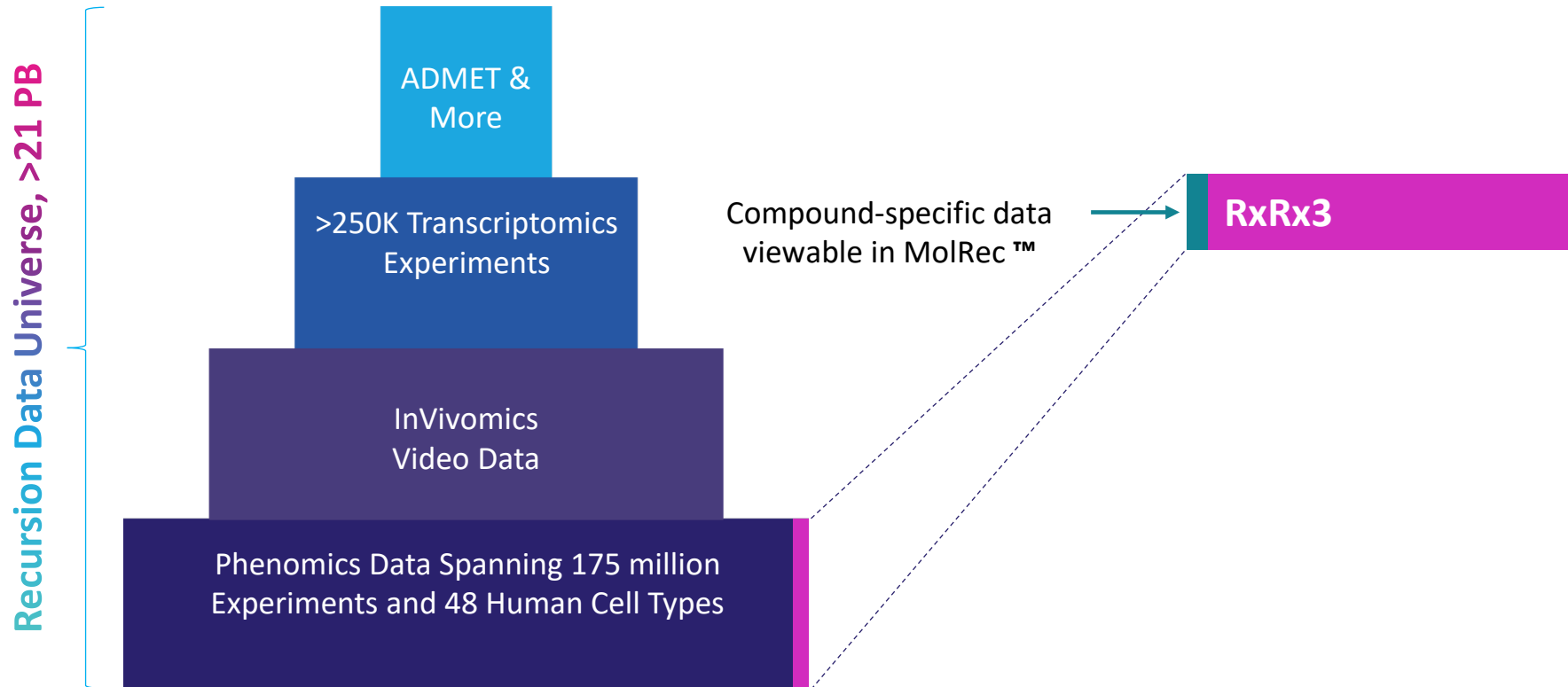
Ben Mabey
Chief Technology Officer

Leading the field in open science – RxRx3

RxRx3: Phenomics Map of Biology

- Spans CRISPR knockouts of most of the human genome, ~17k genes
- 1,600 FDA approved and commercially available bioactive compounds at 8 concentrations and tens of thousands of control images
- 2.2 million images and deep learning embeddings of HUVEC cells, over 100TB
- Recursion's 5th major public dataset release,
 - **100 times larger than our previous datasets *combined***

RxRx3: <1% of Recursion's phenomic data

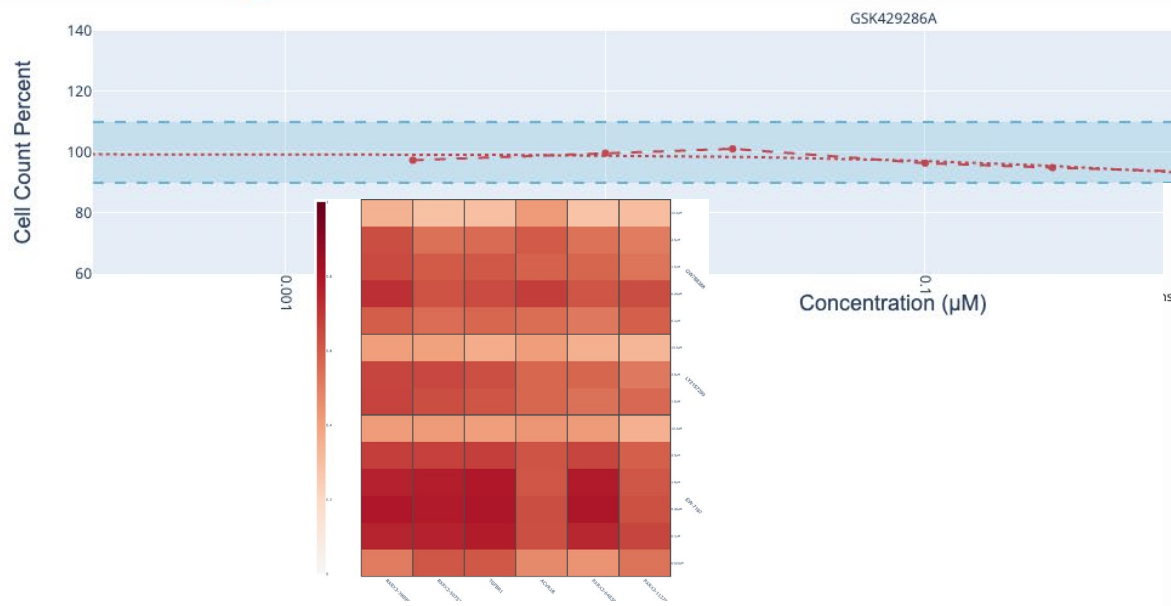


Leading the field in open science – MolRec™ using RxRx3

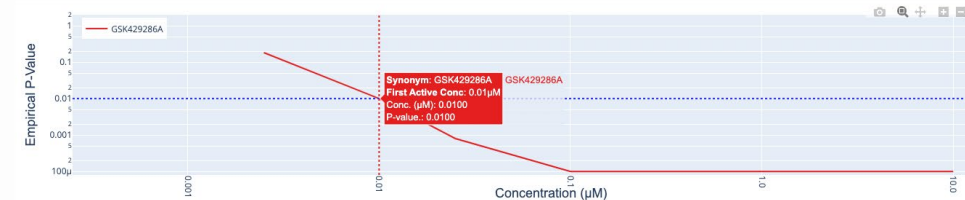
MolRec™ is a *simplified* version of one of Recursion's internal compound intelligence tools

- A demo/freemium app to illustrate what can be done with this data. This is not our flagship internal Map App.
- We are providing this tool for basic exploration of compound/compound and compound/gene relationships across ~1,600 FDA approved and commercially available bioactive compounds
- All plots and driven by this single dataset highlighting the power and flexibility of our phenomics-based platform

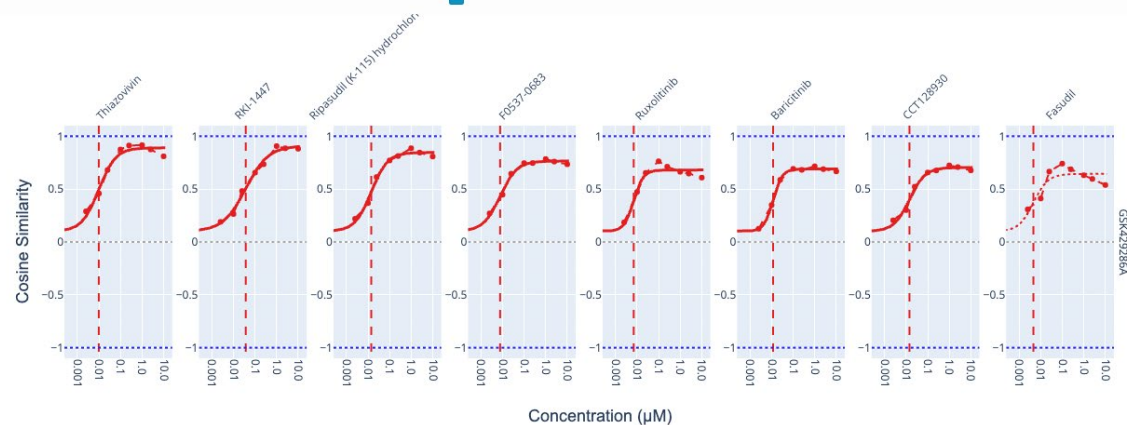
Cell Count Impact ?



Statistical Significance ?



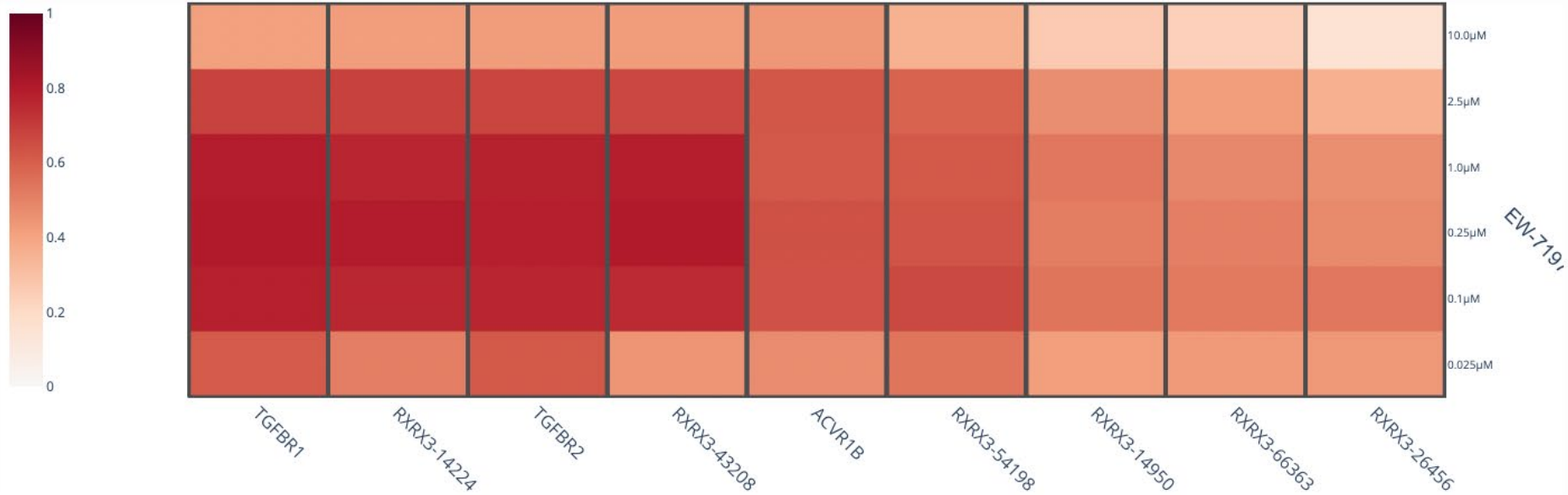
Cosine Sim Concentration Response Curves ?



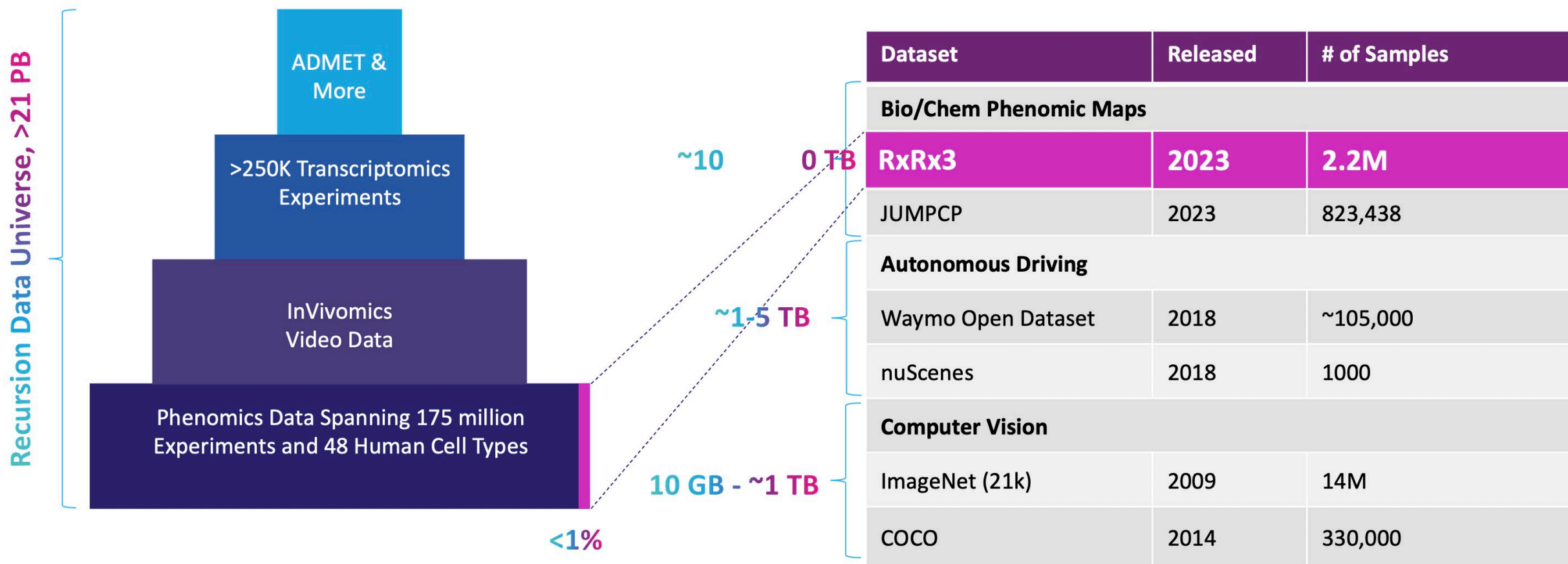
Offer a glimpse to pique interest with potential partners

The majority of the genes (~16k) are anonymized / blinded to facilitate a "sneak peek"

Top Statistically Significant Similar Heatmap [?](#)



RxRx3: Transformational for the ML field



Goals of releasing RxRx3 & MolRec™

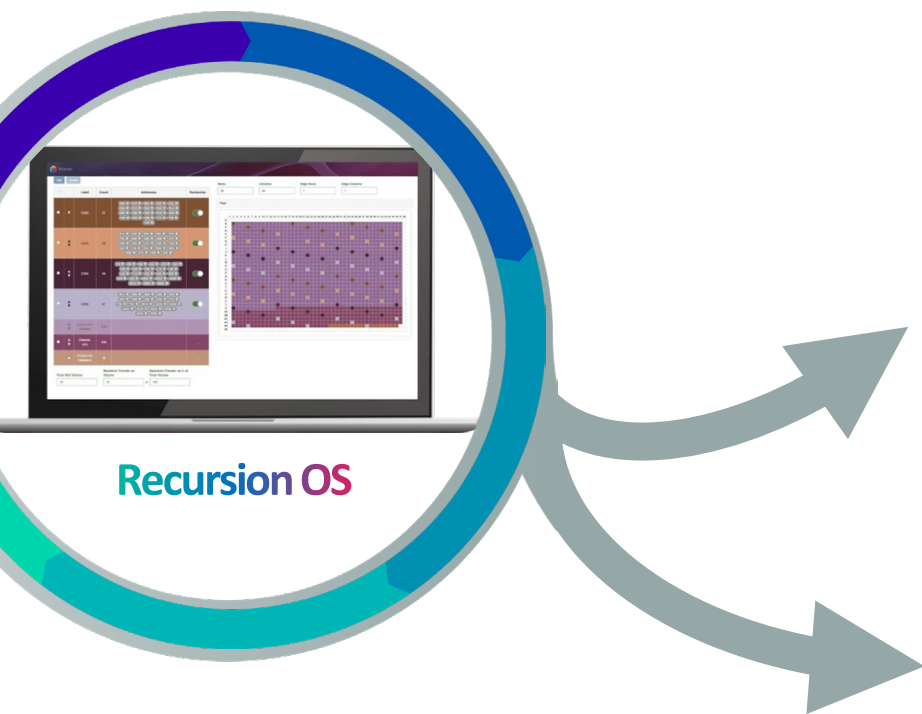
- Offer a glimpse of the power of Recursion's internal data and tools to pique the interest of potential partners
- Provide the largest dataset of its kind to date to enrich the field and foster the next generation of computational biologists
- Discover new methods and bright talent that we can bring in house

Clinical Programs

Shafique Virani MD

Chief Business Officer &
Interim Chief Medical Officer

How we create value using our maps of biology and chemistry



Recursion OS



Internal Pipeline

Pipeline strategy

Build wholly-owned pipeline in indications with potential for **accelerated path** to approval

- Precision Oncology
- Rare Disease



Discovery Partnerships

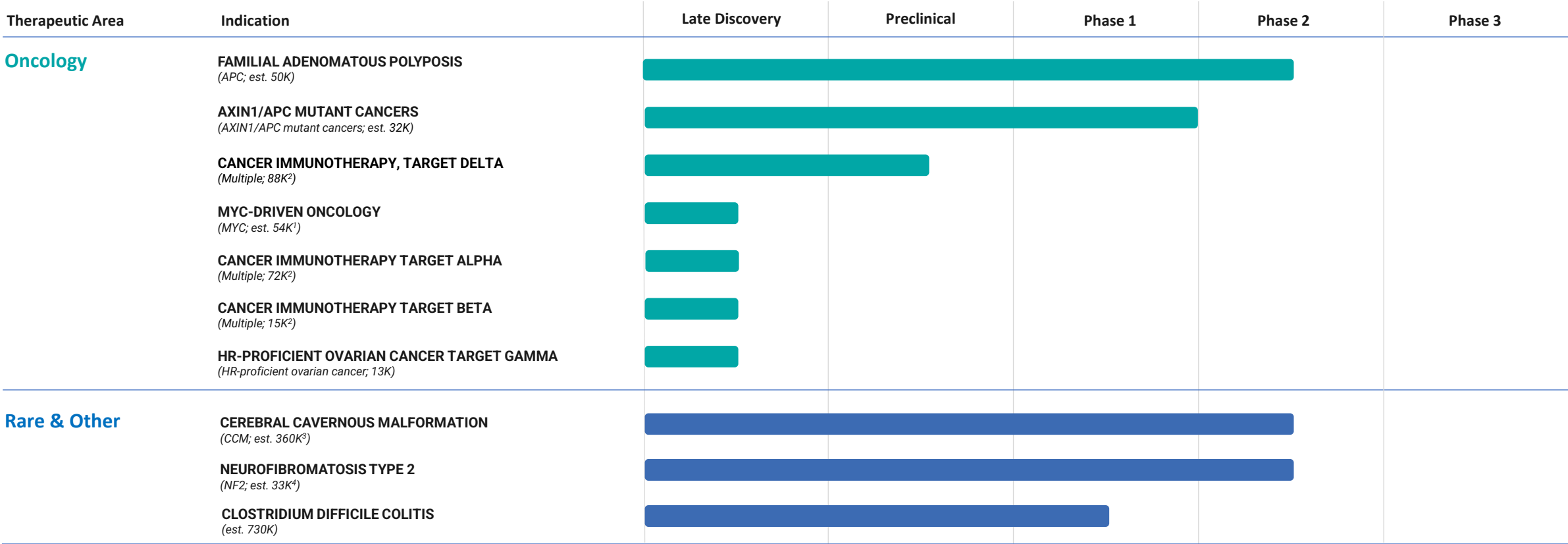
Partnership strategy

Partner in **complex therapeutic areas** requiring large financial commitment and competitive market dynamics

Leverage partner knowledge and clinical development capabilities

- Fibrosis
- Neuroscience
*and a single oncology indication
- Other large, intractable areas of biology

Our pipeline reflects the scale and breadth of our approach



Partnership Programs

MULTIPLE PROGRAMS ADVANCING SIMULTANEOUSLY

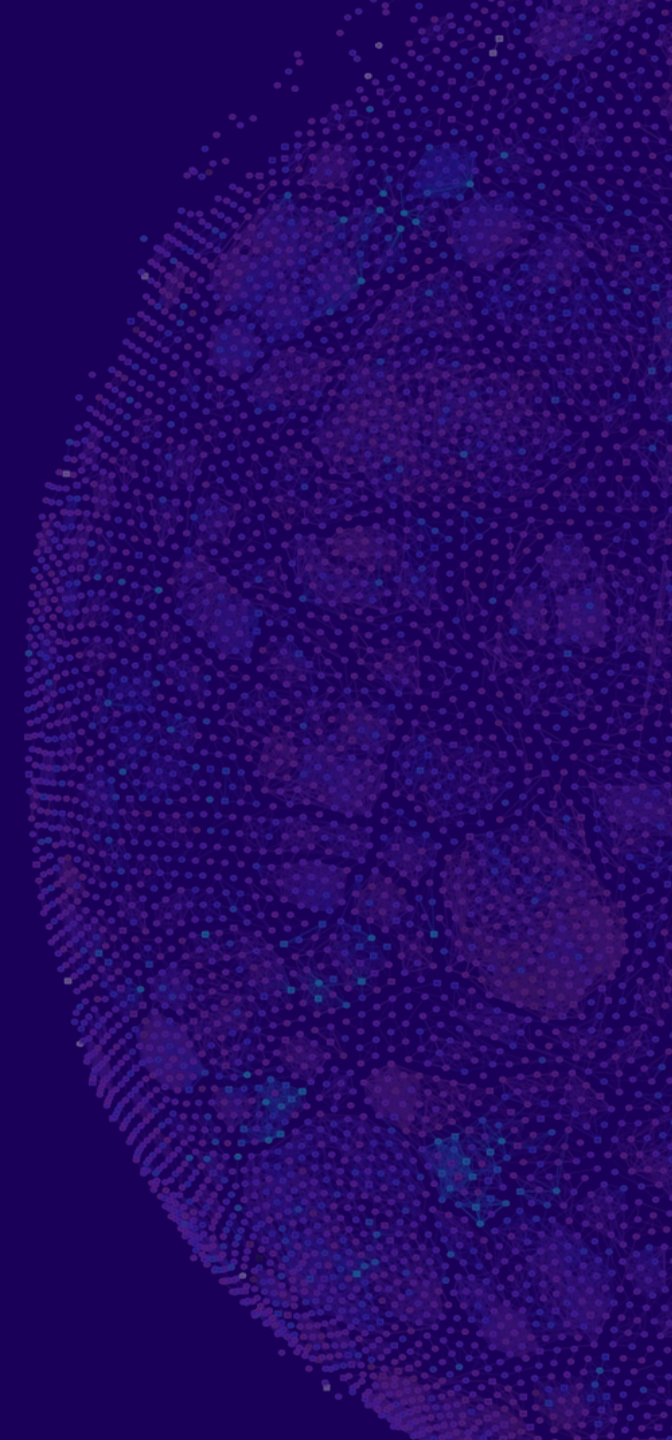


More than a dozen early discovery and research programs in oncology, neuroscience, inflammation & immunology, and rare disease

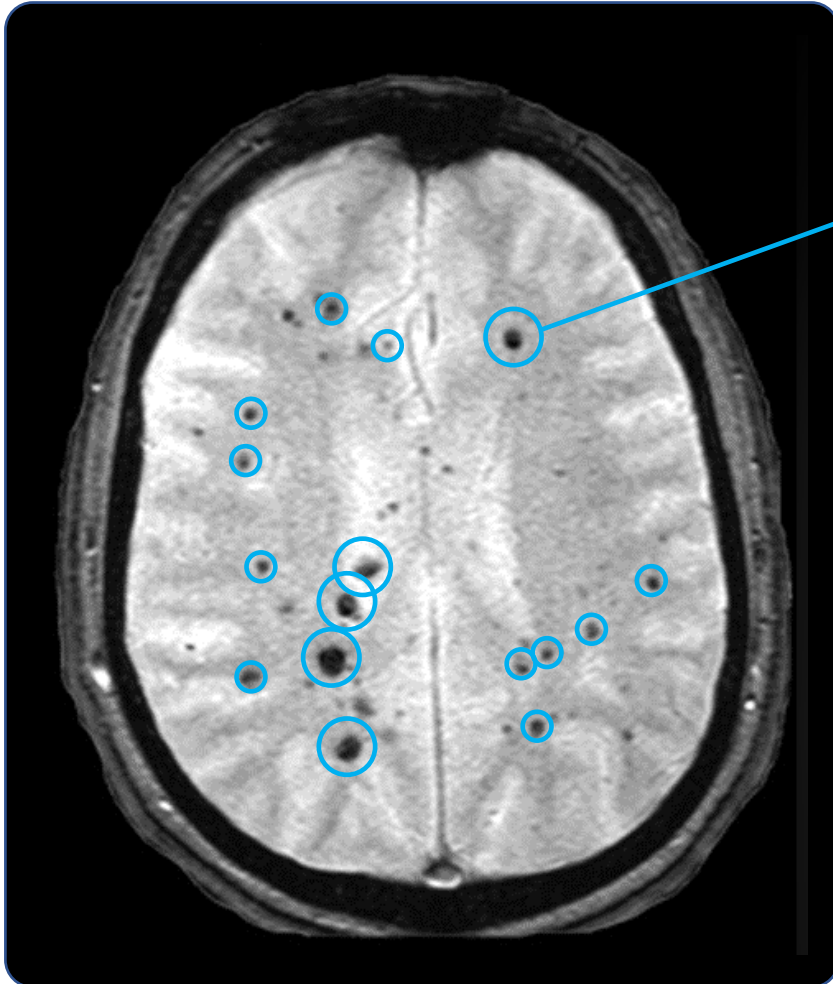
All populations defined above are US and EU5 incidence unless otherwise noted. EU5 is defined as France, Germany, Italy, Spain and UK. (1) Our program has the potential to address a number of indications driven by MYC alterations, totalling 54,000 patients in the US and EU5 annually. We have not finalized a target product profile for a specific indication. (2) Our program has the potential to address a number of indications in this space. (3) Prevalence for hereditary and sporadic symptomatic population. (4) Annual US and EU5 incidence for all NF2-driven meningiomas.

REC-994 for the Treatment of Symptomatic Cerebral Cavernous Malformations (CCM)

Target / MOA	Superoxide Scavenger
Molecule Type	Small Molecule
Lead Indication(s)	Cerebral Cavernous Malformations
Status	Phase 2
Designation(s)	US & EU Orphan Drug
Source of Insight	Recursion OS



Disease Overview : Cerebral Cavernous Malformations (CCM)



Description

- Large unmet need for a novel nonsurgical treatment
- Vascular malformations (cavernomas) in the brain and spinal cord
- High-risk for hemorrhage creates “ticking time bomb”
- Progressive increase in CCM size and number over time in those with familial disease
- Debilitating symptoms, including intractable seizure, intracerebral hemorrhage, focal neurological deficits

“Historically, cavernomas have been managed primarily with observation, surgical resection, and occasionally radiotherapy. However, for a number of reasons, many patients with cavernomas must endure a life with neurologic symptoms”

- Ryan Kellogg, MD, Investigator at the University of Virginia

CCM is an Under-Appreciated Orphan Disease

Non-oncology Orphan Indication	Product	U.S. + EU5 Prevalence
Cerebral cavernous malformation (CCM)	REC-994 (Recursion)	>1,800,000 (Symptomatic: ~360,000)
Idiopathic pulmonary fibrosis (IPF)	Esbriet (pirfenidone)	>160,000
Cystic fibrosis (CF)	VX-669/ VX-445 + Tezacaftor + Ivacaftor - Vertex	>55,000
Spinal muscular atrophy (SMA)	SPINRAZA (nusinersen)	>65,000

Disease Overview : Cerebral Cavernous Malformations (CCM)



Julia – living with CCM

Patient Population – Large and Diagnosable

- **>1 million patients** worldwide live with these lesions today
- Caused by loss of function mutation in one of three genes: *CCM1* (60%), *CCM2* (20%), and *CCM3* (20%)
- Inherited autosomal dominant mutation in 30-40%; or sporadic
- US symptomatic population is more than 5 times larger than other rare diseases like **Cystic Fibrosis** (>31k patients) and **Spinal Muscular Atrophy** (>33k patients)

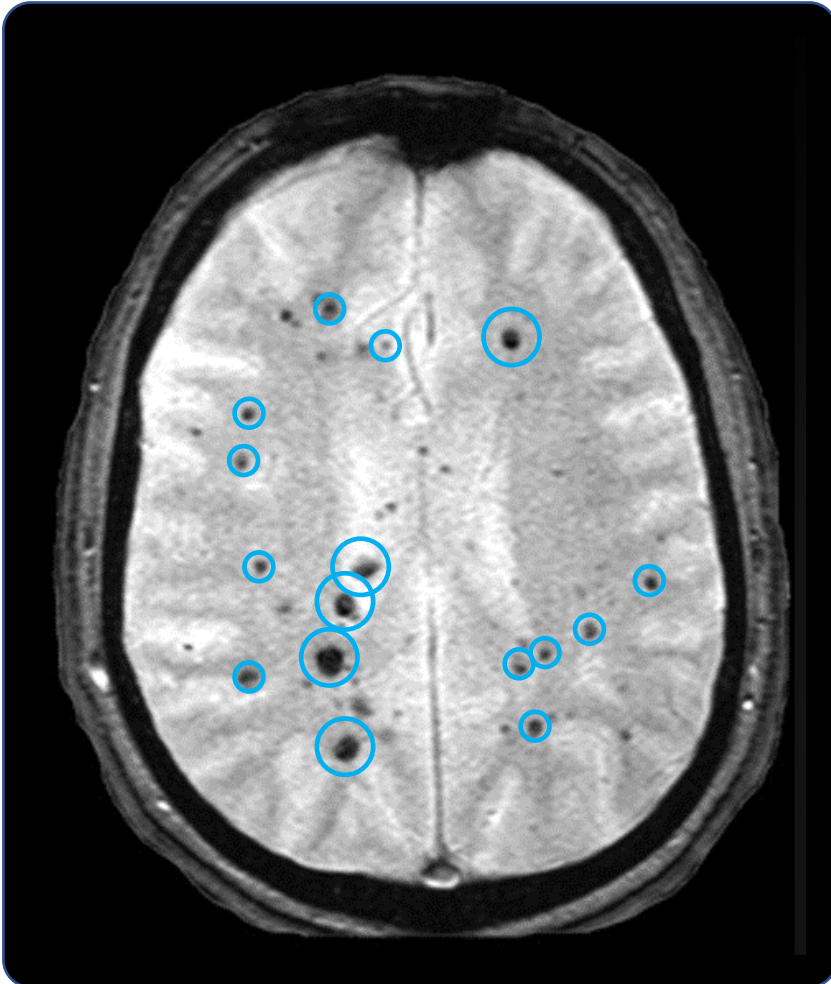
No Approved Medical Therapy

- **No approved drugs** for CCM and *no other* potential therapeutic in industry-sponsored clinical development
- Most patients receive **no treatment** or only **symptomatic therapy**
- Surgical resection or stereotactic radiosurgery not always feasible because of location of lesion and is not curative

~360,000

Symptomatic US + EU5 patients

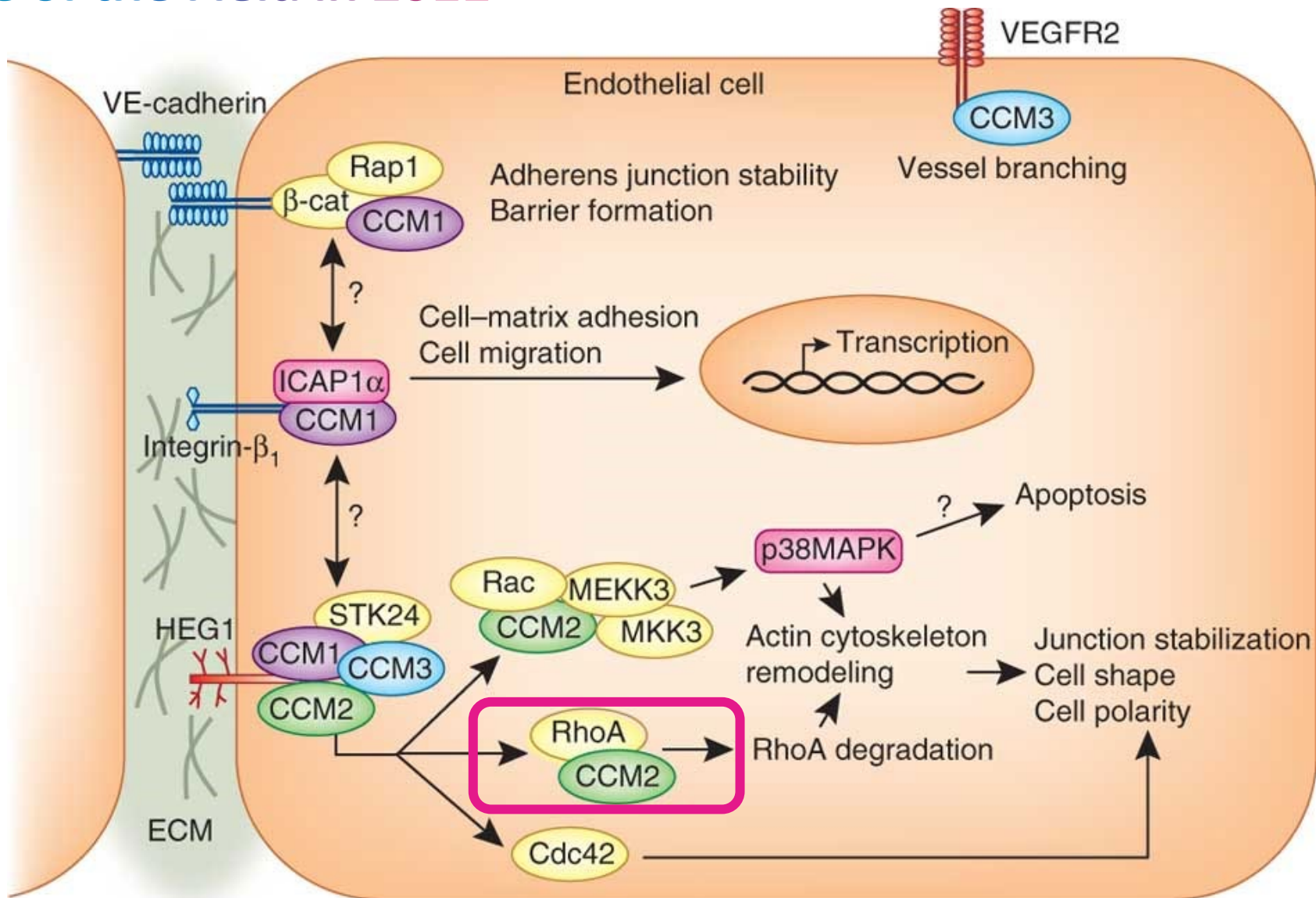
Therapeutic Approach to Cerebral Cavernous Malformations (CCM)



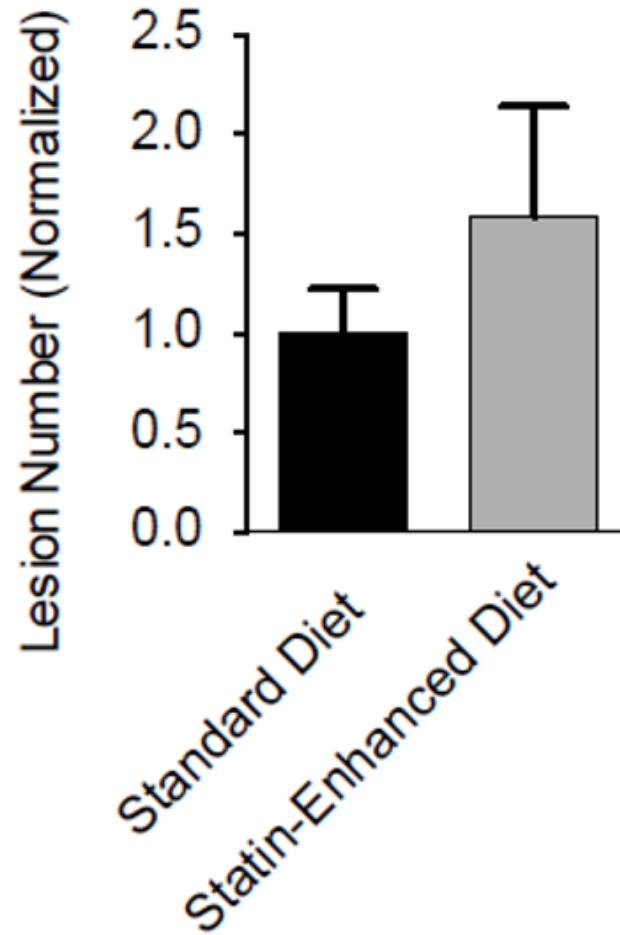
Novel therapeutic approach

- Symptoms associated with both increased size of lesions, but also inflammation or activation of lesions within the immunoprivileged environment of the brain
- Lesions arise from the capillary bed and are not high-pressure (e.g. the lesion growth is unlikely to be primarily driven by the *law of Laplace*)
- *The Recursion Vascular Stability Hypothesis:*
 - Eliminating the lesions may not be required for significant patient benefit
 - Slowing or halting the growth of the lesions while mitigating lesion leakiness and endothelial cell activation to halt the feed-forward inflammatory reaction *may* mitigate some symptoms and be beneficial to patients

CCM – State of the Field in 2011

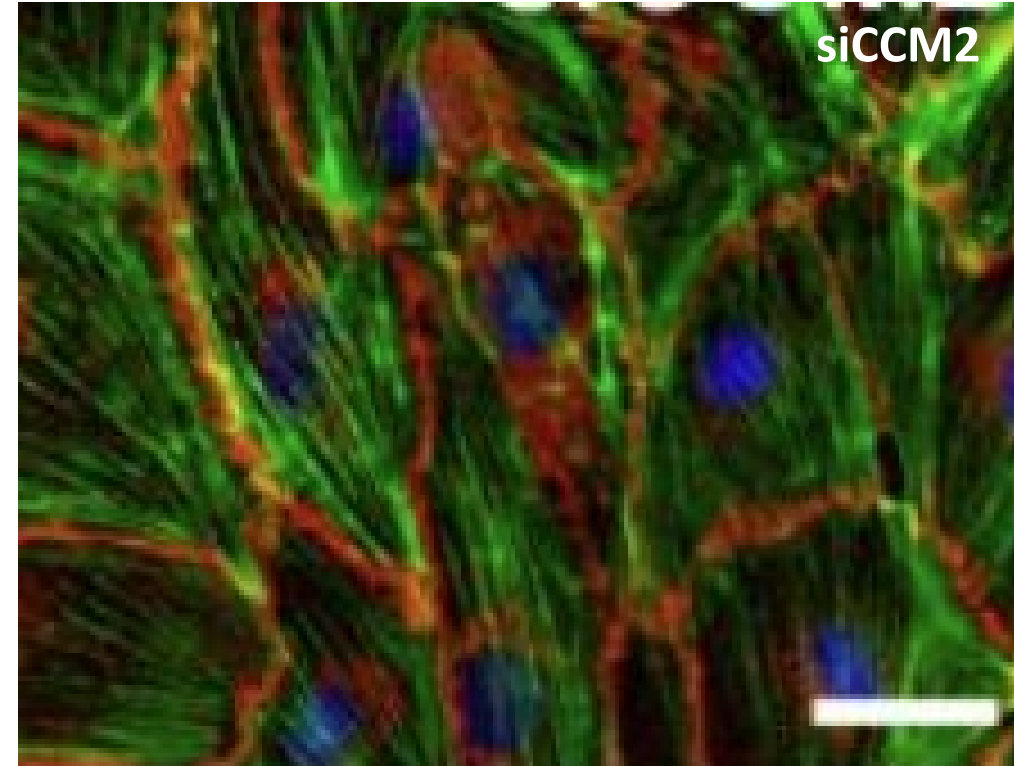
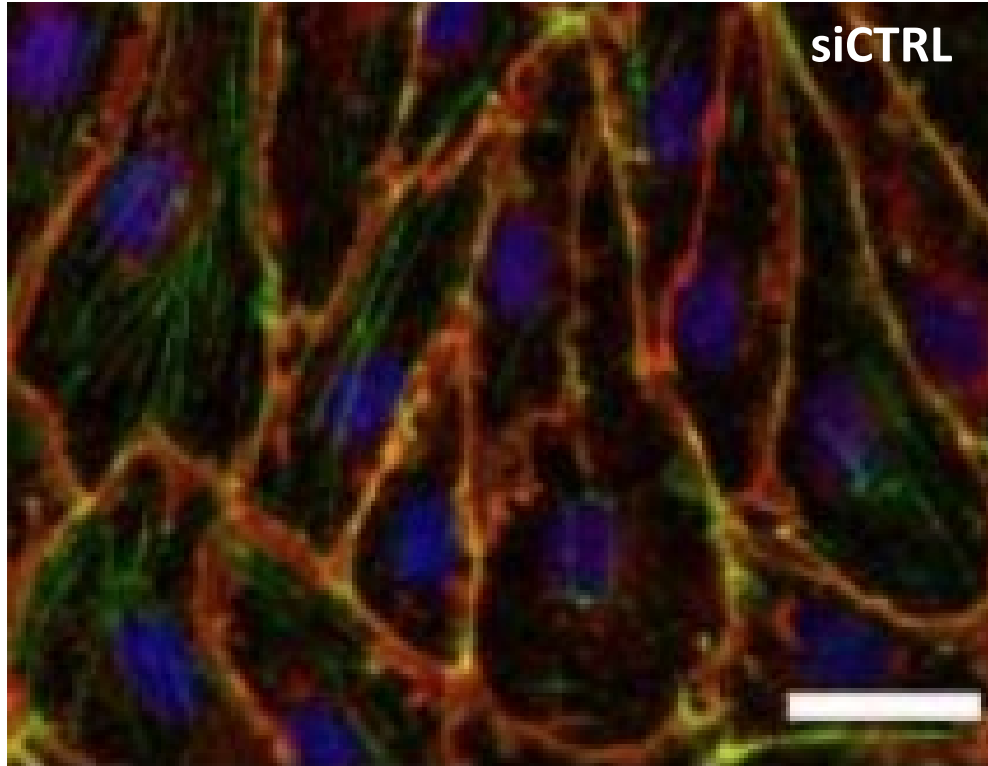


CCM – A Traditional Approach Fails

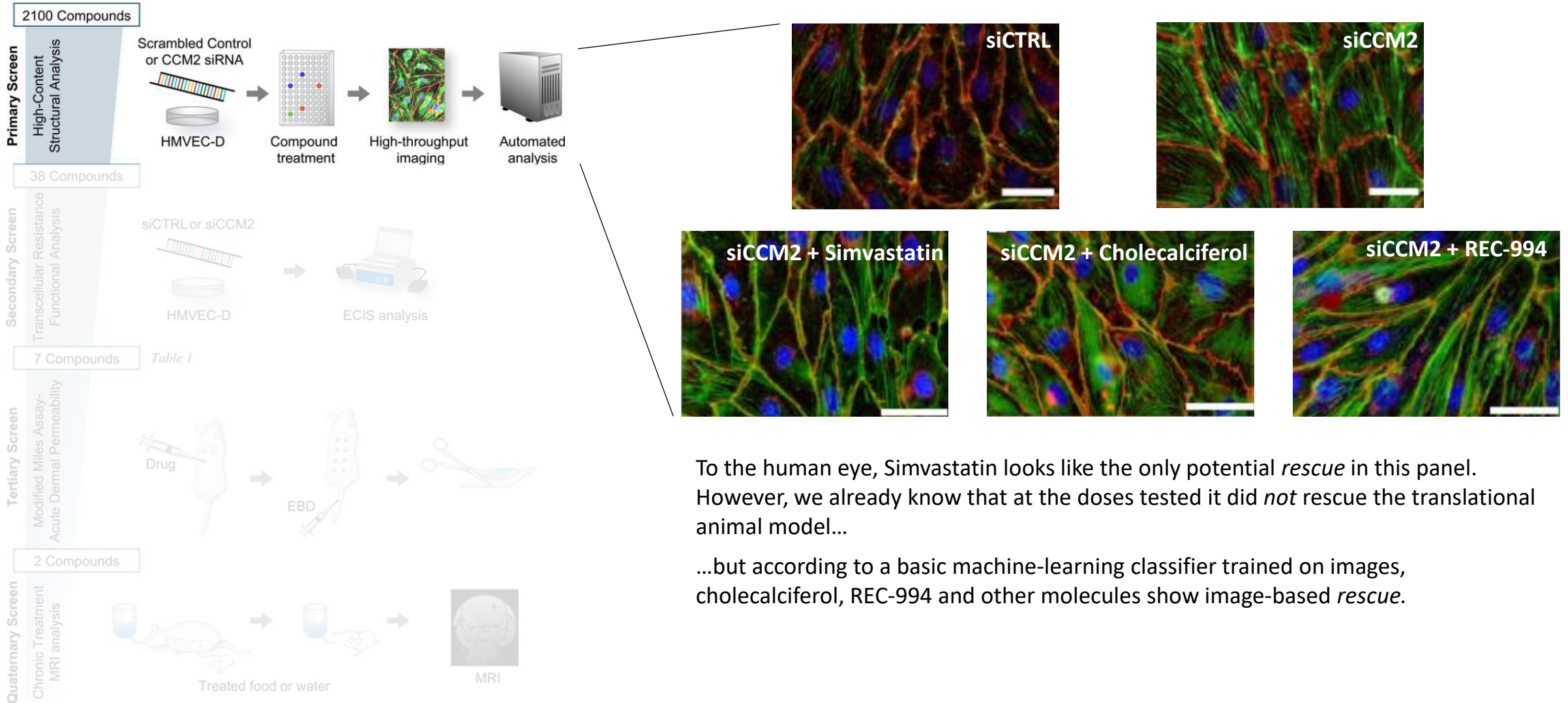


Clinical: CCM

CCM – An Unbiased Approach Using ML on Cellular Images?



CCM – Applied prototyping of the RecursionOS



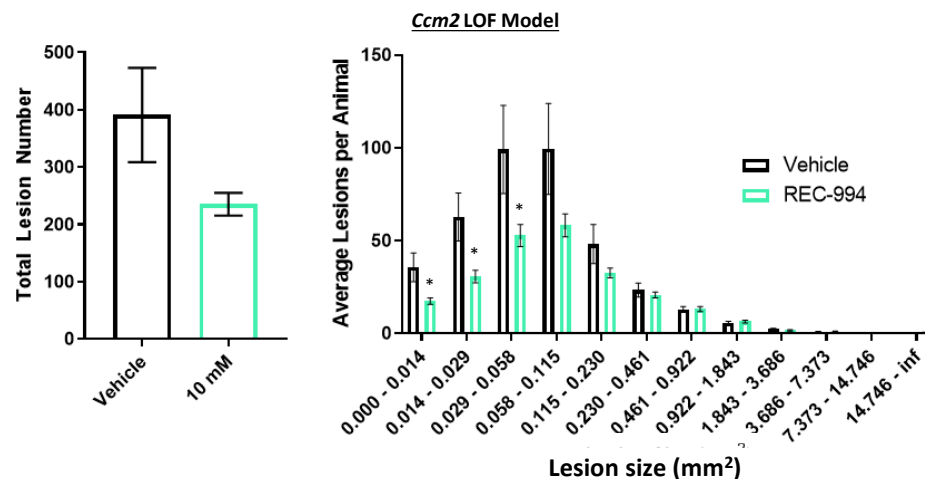
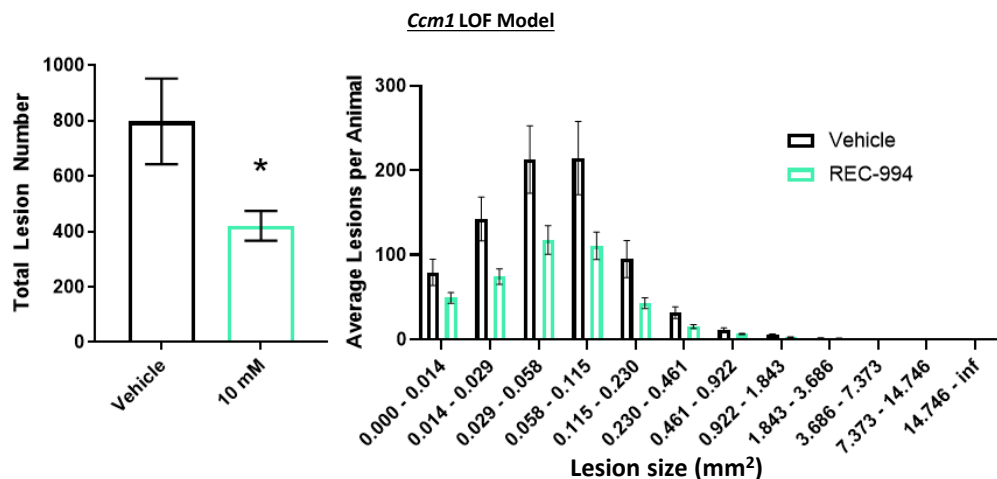
To the human eye, Simvastatin looks like the only potential *rescue* in this panel. However, we already know that at the doses tested it did *not* rescue the translational animal model...

...but according to a basic machine-learning classifier trained on images, cholecalciferol, REC-994 and other molecules show image-based *rescue*.

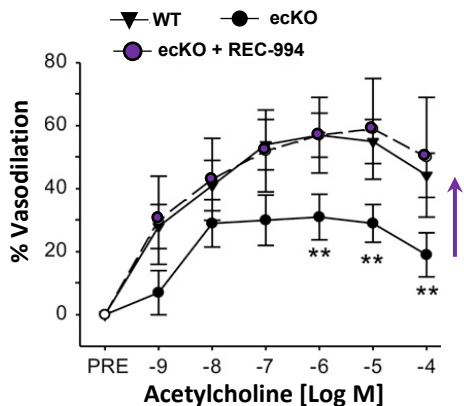
Further Confidence : Preclinical Studies Confirm Insight

Preclinical Studies: REC-994 reduces lesion burden and ameliorates vascular defects in genetic mouse models of CCM

1 Reduces lesion number and size in *Ccm1* and *Ccm2* LOF mouse models

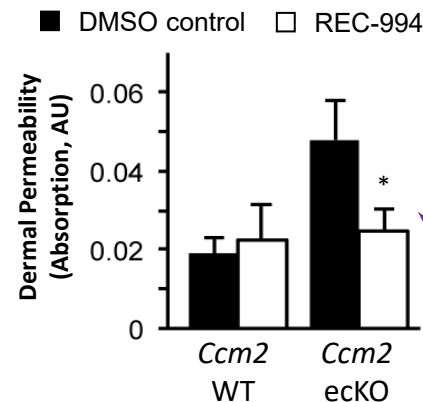


2 Completely rescues acetylcholine-induced vasodilation defect



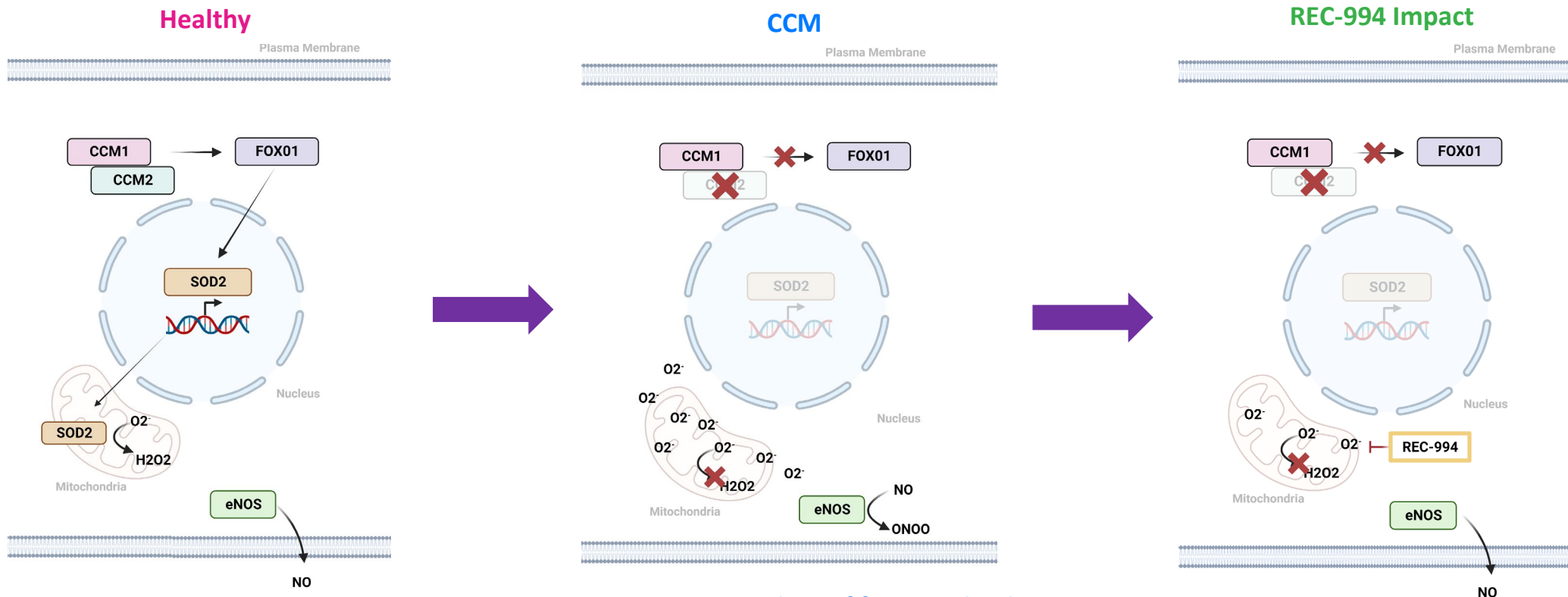
REC-994 stabilizes the integrity of vasculature against challenges to permeability

3 Rescues dermal permeability defect in CCM2 mice



Vascular permeability is a clinically relevant feature of CCM lesions

REC-994 – Mechanism of Action



By regulating SOD2, CCM1 (KRIT1) & CCM2 suppress:

- Endothelial cell activation
- Smooth muscle proliferation
- Leukocyte adhesion
- Platelet aggregation

CCM1 or CCM2 loss of function leads to activated endothelium:

- Decreased cell-cell junctional integrity and increased monolayer permeability
- Impaired vasodilation
- Cavernous angioma formation

Dosing of REC-994 restores normal function:

- Normalized ROS balance
- Restores quiescent endothelial cell state
- Stabilizes endothelial barrier function

Clinical: CCM

Further Confidence : Clinical Studies Confirming Safety

REC-994 Phase 1 Studies - well-tolerated with no dose-dependent adverse events in SAD and MAD

MAD Study	Placebo	50 mg	200 mg	400 mg	800 mg
Total Number of TEAEs	5	0	10	4	15
Total Subjects with \geq one TEAE	4	0	3	3	4
Severity					
Mild	3	0	3	3	3
Moderate	1	0	0	0	1
Severe	0	0	0	0	0
Relationship to Study Drug					
None	3	0	0	2	1
Unlikely	1	0	1	1	2
Possibly	0	0	0	0	0
Likely	0	0	2	0	1
Definitely	0	0	0	0	0
Total Number of SAEs	0	0	0	0	0
Total Subject with \geq one TEAE	0	0	0	0	0
Discontinued Study Drug Due to AE	0	0	0	0	0



SYCAMORE Clinical Trial : REC-994 Phase 2 Underway

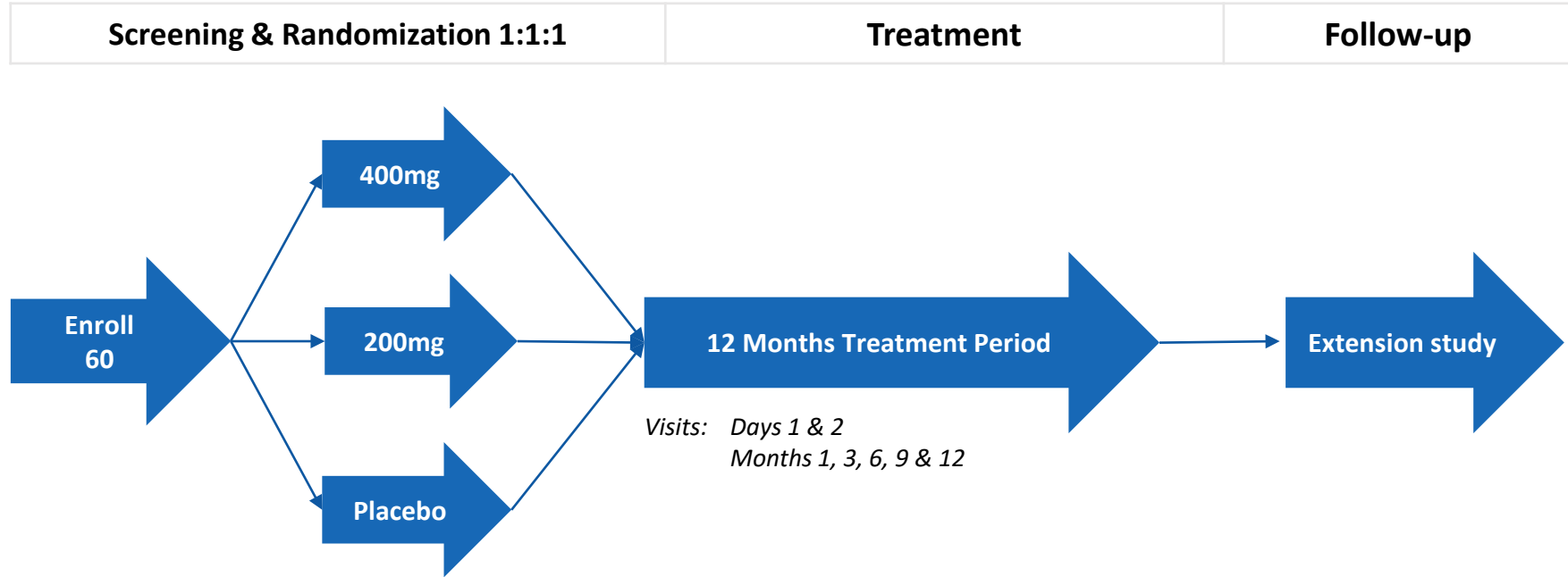
Phase 2 trial initiated in Q1 2022

Enrollment Criteria

- MRI-confirmed CCM lesion(s)
- Familial or sporadic
- Symptoms directly related to CCM

Outcome Measures

- Primary: Safety and tolerability
 - Adverse events & symptoms
- Secondary: Efficacy
 - Clinician-measured outcomes (CGI and PGI)
 - Imaging of CCM lesions – number, size & rate of change
 - Impact of acute stroke (mRS, NIHSS)
 - Patient reported outcomes (SMSS, PROMIS-29, CCM HI, symptom questionnaires)
- Exploratory: Biomarkers



Trial Update

- Enrollment is progressing
- Top-line data expected 2H 2024

REC-2282 for the Treatment of Progressive Neurofibromatosis Type 2 (NF2) Mutated Meningiomas

Target / MOA	HDAC Inhibitor
Molecule Type	Small Molecule
Lead Indication(s)	NF2 Mutated Meningiomas
Status	Phase 2/3
Designation(s)	Fast Track; US and EU Orphan Drug
Source of Insight	Recursion OS

Disease Overview : Neurofibromatosis Type 2 (NF2)



Ricki – living with NF2

Patient Population – Large and Diagnosable

- Rare autosomal dominant tumor syndrome resulting from biallelic inactivation of the *NF2* gene which leads to deficiencies in the tumor suppressor protein merlin
- **NF2 can be inherited or spontaneous** (>50% of patients represent new mutations); up to 1/3 are mosaic
- CNS manifestations: meningiomas and vestibular schwannomas; mean age at presentation: **~20 years**

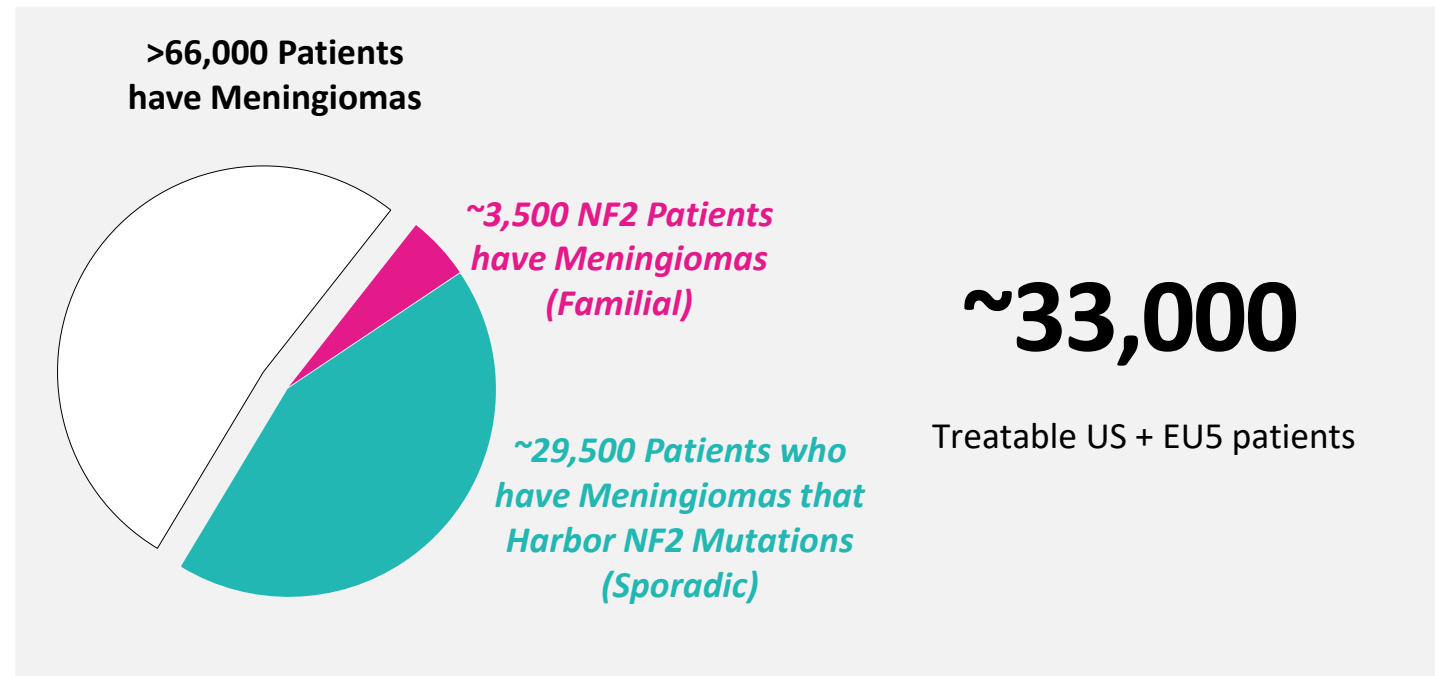
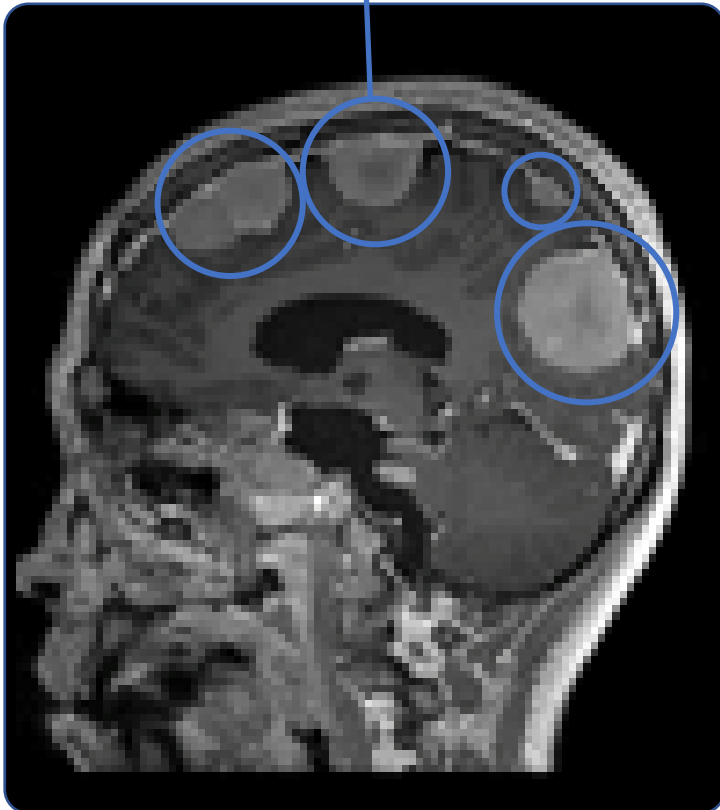
No Approved Medical Therapy

- **No approved drugs** for NF2
- **Surgery** is standard of care (when feasible)
- Location may make complete resection untenable, leading to hearing loss, facial paralysis, poor balance and visual difficulty

Disease Overview : Neurofibromatosis Type 2 (NF2) Meningiomas

- Most tumors are benign and slow growing but location in CNS leads to serious morbidity or mortality
- Prognosis is adversely affected by early age at onset, a higher number of meningiomas and having a truncating mutation

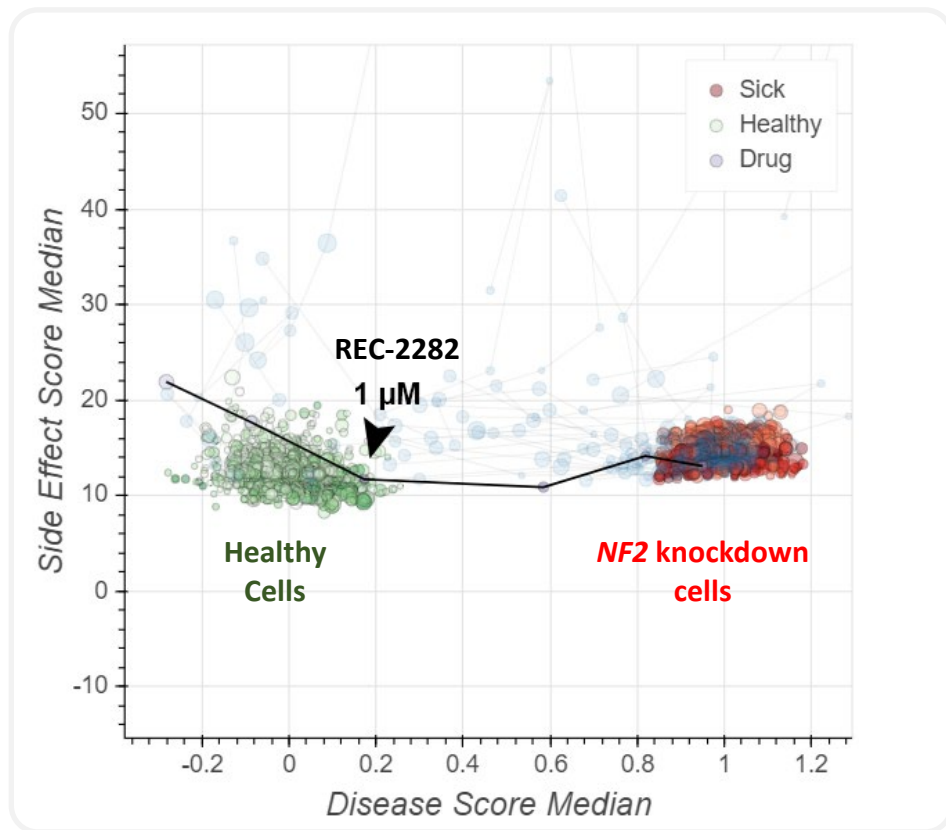
Intracranial Meningioma



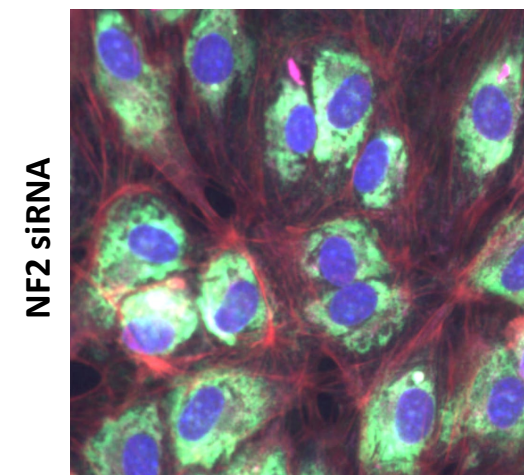
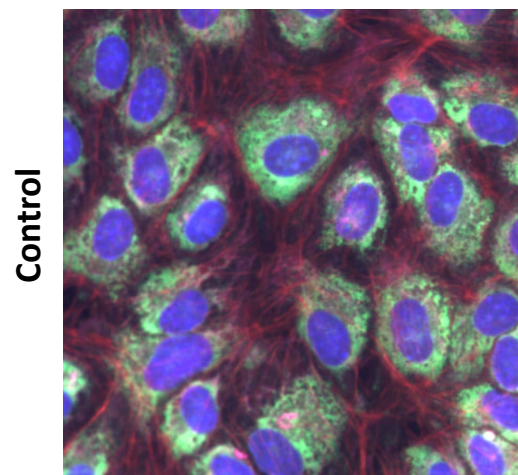
- Threatens mortality; if amenable, surgical excision is primary intervention
- Many patients have multiple meningiomas that exhibit heterogenous behavior and asynchronous growth
- **Stasis or shrinkage of tumor could improve prognosis**

Clinical: NF2

Insight from OS : REC-2282 Rescued Loss of *NF2*



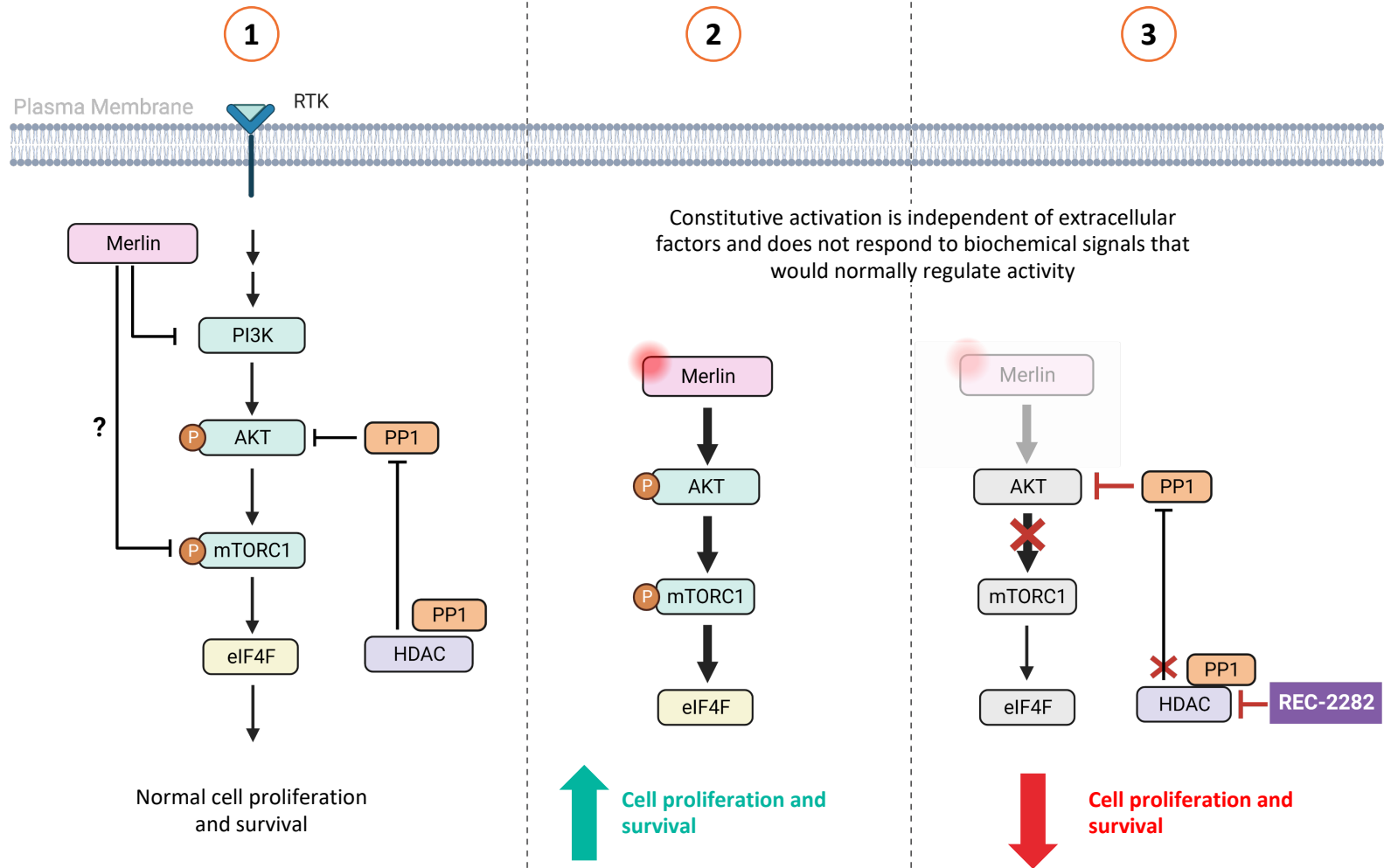
REC-2282 identified as rescuing HUVEC cells treated with NF2



Clinical: NF2

REC-2282 – Mechanism of Action

Orally Bioavailable, CNS-penetrating, Small Molecule HDAC Inhibitor



1 NF2 encodes for the protein Merlin and negatively regulates mTOR signaling

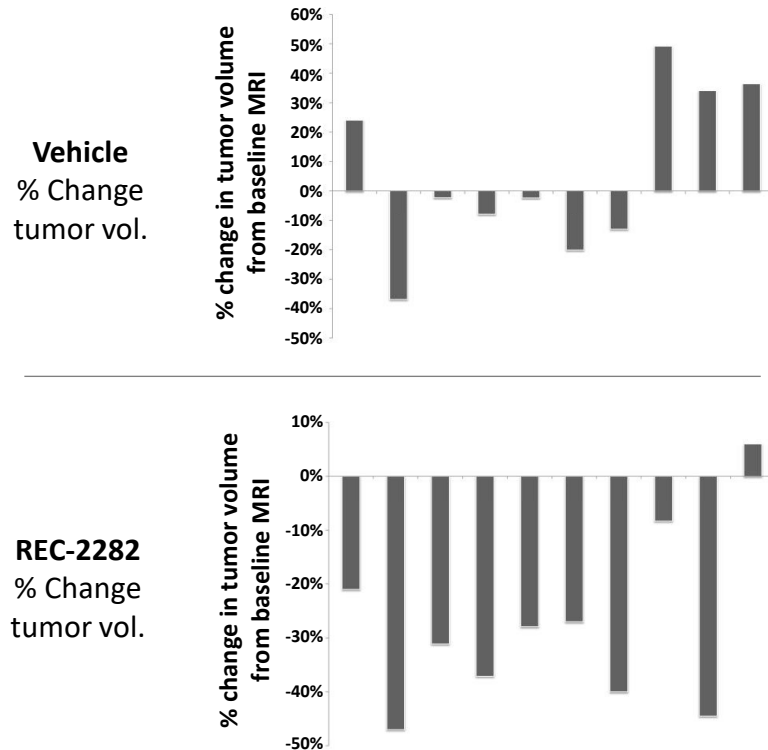
2 Loss of Merlin leads to increased signaling in the PI3K/AKT/mTOR pathway

3 Oncogenic mTOR signaling arrested with HDAC inhibitors

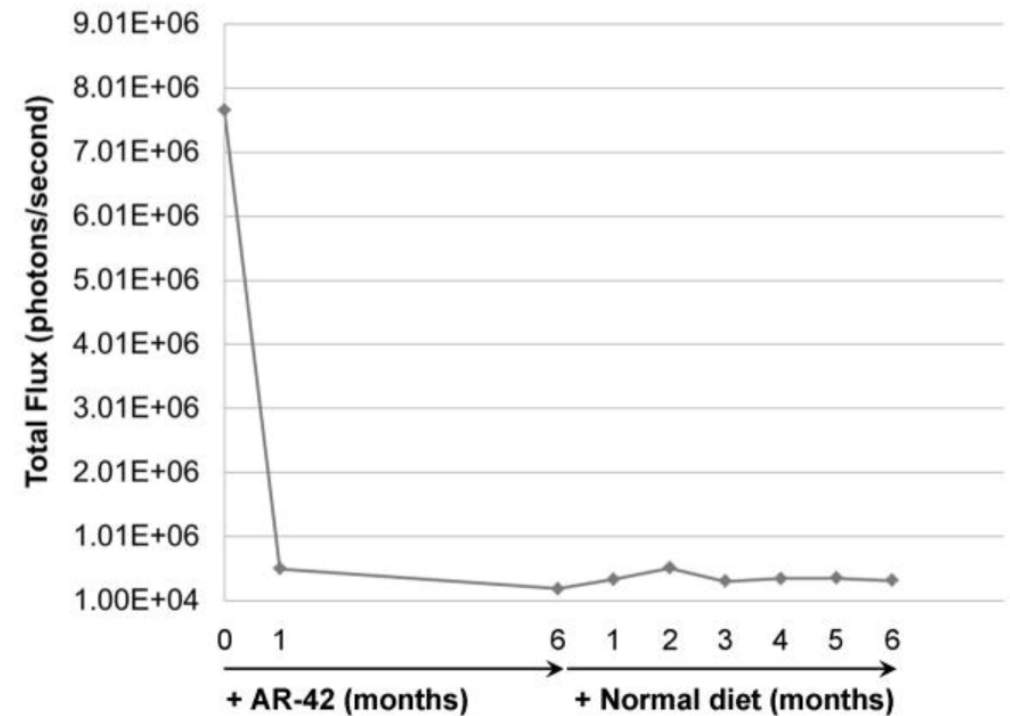
Further Confidence : Preclinical Studies Confirming Insight

REC-2282 preclinical studies demonstrated clear in-vivo efficacy in multiple NF2 tumor types

1 Shrinks vestibular schwannoma xenografts in nude mice

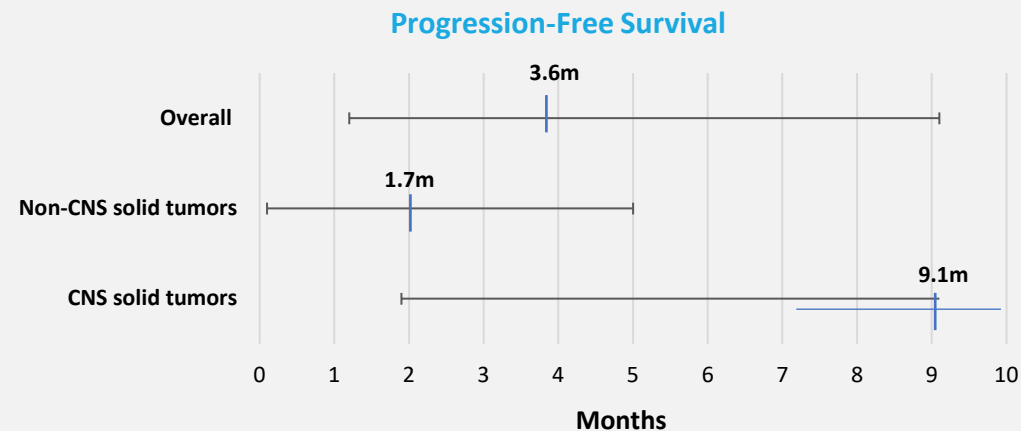


2 Prevents growth & regrowth of NF2-deficient meningioma model in mice



Further Confidence : Prior Studies Suggestive of Potential Therapeutic Benefit

- **Evaluable Patients: CNS Solid Tumors: NF2 N=5; Non-CNS Solid Tumors: N=10**
- PFS: CNS solid tumors = **9.1 months**; Non-CNS solid tumors = **1.7 months**
- Best overall response = **SD in 8/15 patients** (53%; 95% CI 26.6–78.7)
- Longest duration of follow-up without progression: > **27 months** (N=1)
- Most common AEs: **cytopenia, fatigue, nausea**



Well understood clinical safety ...



Multiple investigator-initiated studies in oncology indications



Lengthy human clinical exposure in NF2 – multiple patients on drug for several years



Well-characterized side effect profile

... with a drug-like profile



Established and scalable API manufacturing process



Multiple cGMP batches of 10mg and 50mg tablets have been manufactured

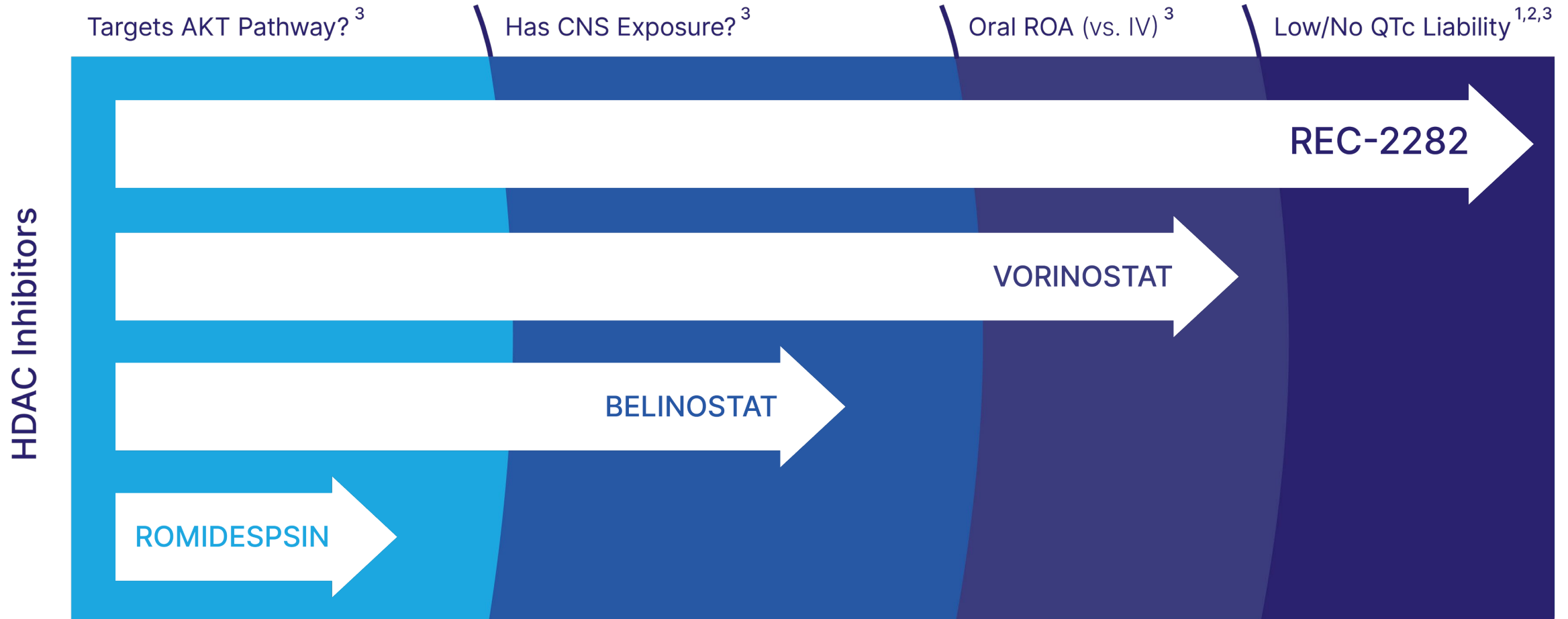


Excellent long-term stability

Clinical: NF2

REC-2282 Appears Well Suited for NF2 vs. Other HDAC inhibitors

REC-2282 Would be First-In-Class HDAC Inhibitor for Treatment of NF2 Meningiomas



¹Sborov DW, et al. A phase 1 trial of the HDAC inhibitor AR-42 in patients with multiple myeloma and T- and B-cell lymphomas. *Leuk Lymphoma*. 2017 Oct;58(10):2310-2318.

²Collier KA, et al. A phase 1 trial of the histone deacetylase inhibitor AR-42 in patients with neurofibromatosis type 2-associated tumors and advanced solid malignancies. *Cancer Chemother Pharmacol*. 2021 May;87(5):599-611.

³Prescribing Information of Vorinostat/Belinostat/Romidespsin respectively

Clinical: NF2
POPLAR Clinical Trial : REC-2282 Phase 2/3 Underway

Phase 2/3 trial initiated in Q2 2022

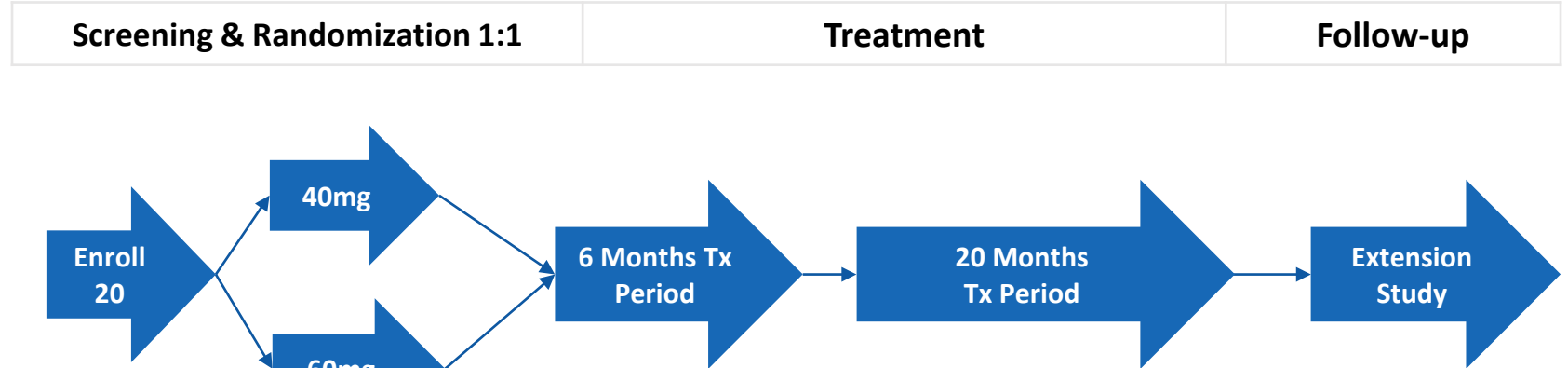
Enrollment Criteria

- MRI-confirmed progressive meningioma
- Either of the below
 - Sporadic meningioma with confirmed NF2 mutation
 - Confirmed diagnosis of NF2 disease

Outcome Measures

- Primary: Safety and tolerability
 - Progression-free survival
 - Time to progression
 - Duration of response
 - Overall response rate

Phase 2 (Cohort A)



Interim Analysis

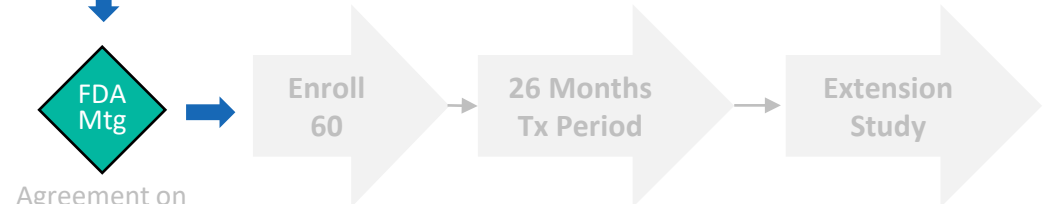
- Go/No-go to Ph3
- PFS
- Safety/Tolerability
- PK

Cohort A Final Data

Trial Update

- Enrollment is progressing
- Interim safety analysis expected 2024

Phase 3 (Cohort B)



Agreement on Phase 3 registration plans

Interim Analysis

- At 50% of events
- For Sample size re-estimation (i.e., adaptive design)

REC-4881 for the Treatment of Familial Adenomatous Polyposis (FAP)

Target / MOA	MEK Inhibitor
Molecule Type	Small Molecule
Lead Indication(s)	Familial Adenomatous Polyposis
Status	Phase 2
Designation(s)	Fast Track; US and EU Orphan Drug
Source of Insight	Recursion OS

Disease Overview : Familial Adenomatous Polyposis



Polyps Found in Colon and Upper GI Tract

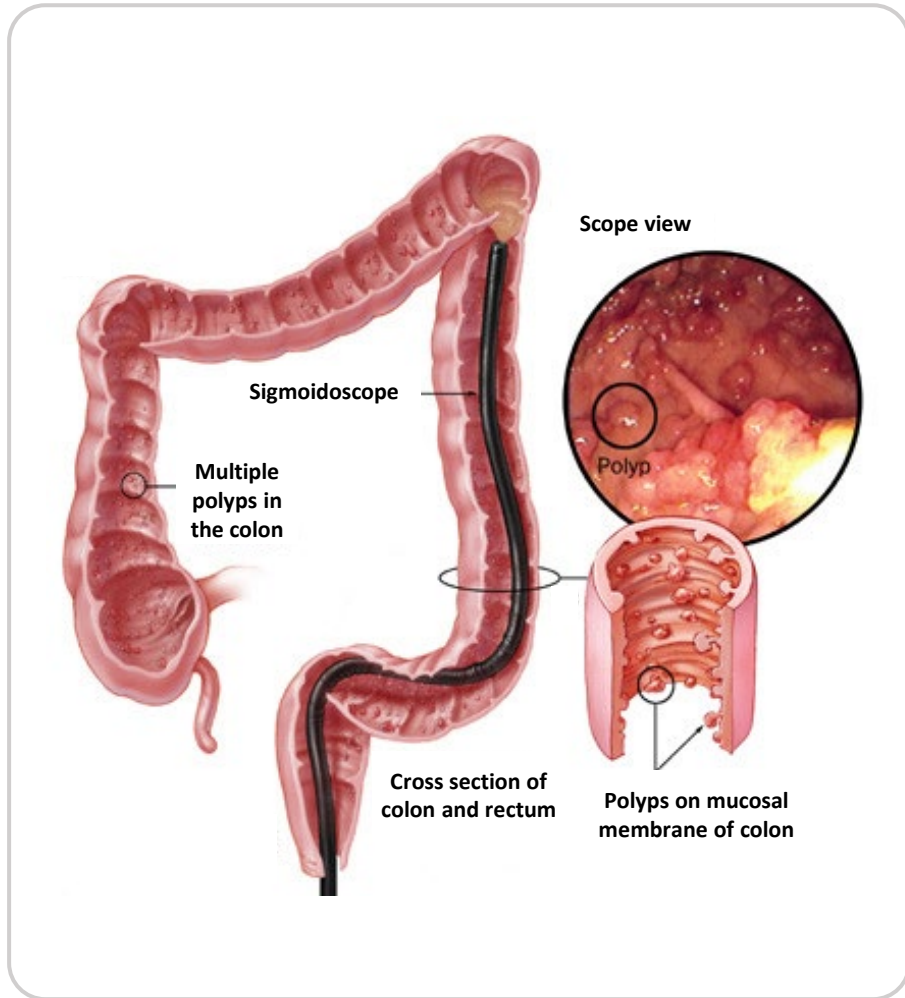
Patient Population – Easily Identifiable

- Autosomal dominant tumor predisposition syndrome caused by a mutation in the APC gene
- Classic FAP (germline mutation) :
 - Hundreds to thousands of polyps in colon and upper GI tract
 - Extraintestinal manifestations (e.g. desmoid tumors)
 - 100% likelihood of developing colorectal cancer (CRC) before age 40, if untreated

~50,000

Diagnosed US + EU5 patients

Disease Overview : Familial Adenomatous Polyposis – Standard of Care



No Approved Medical Therapy

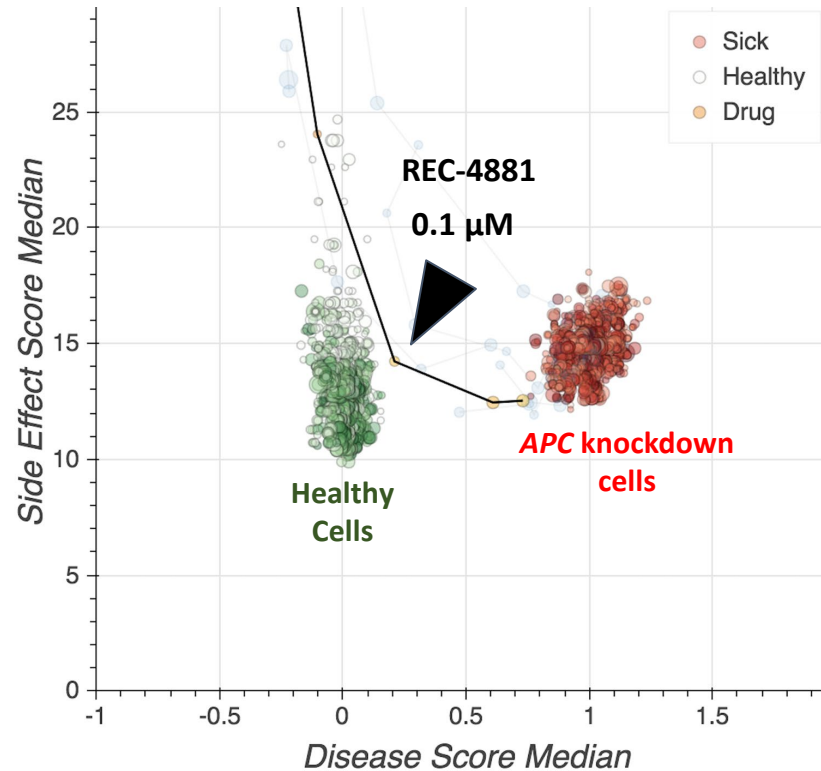
- Standard of care: colectomy during adolescence (with or without removal of rectum)
- Post-colectomy, patients still at significant risk of polyps progressing to GI cancer
- Significant decrease in quality-of-life post-colectomy: continued endoscopies and surgical intervention

“Despite progress with surgical management, the need for effective therapies for FAP remains high due to continued risk of tumors post-surgery”

- Niloy Jewel Samadder, MD, Mayo Clinic

Insight from OS : Rescued Loss of APC, Inhibited Tumor Growth

REC-4881 rescued phenotypic defects of cells with APC knockdown



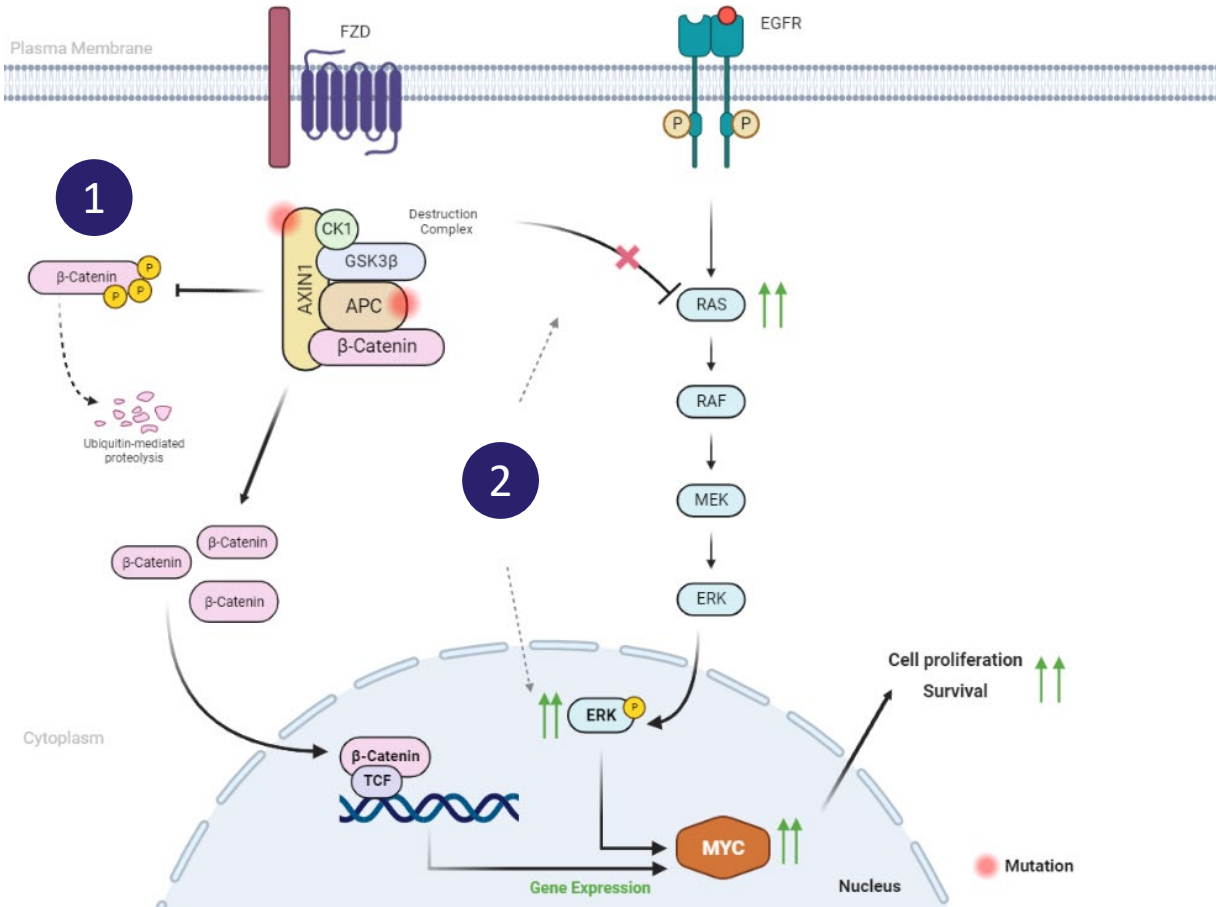
- Compared to thousands of other molecules tested, REC-4881 rescued phenotypic defects substantially better (including better rescue than other MEK inhibitors) for APC specific knockdown
- Findings validated in tumor cell lines and spheroids grown from human epithelial tumor cells with APC mutation
 - 1,000x more selectivity in tumor cell lines with APC mutation
 - Inhibited growth and organization of spheroids

Clinical: FAP

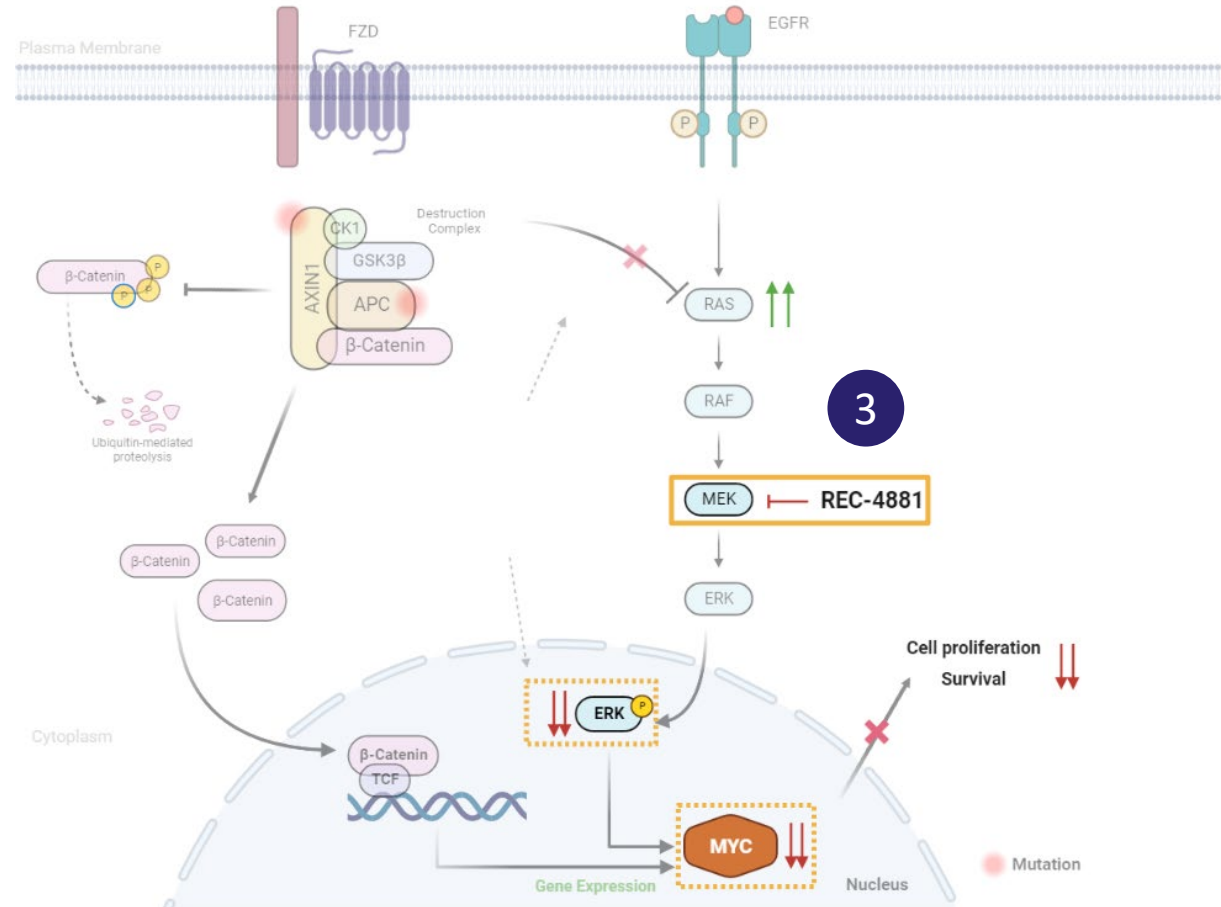
MoA : REC-4881 blocks Wnt mutation induced MAPK signaling

Orally Bioavailable, Small Molecule MEK Inhibitor

Disease State



REC-4881 Impact



3

REC-4881 inhibits MEK 1/2 and recovers the destabilization of RAS by the β-Catenin destruction complex, restoring the cell back to a Wnt-off like state

Further Confidence : Clinical Data Generated by Recursion

REC-4881-101: Single-center, double-blind, placebo-controlled, dose-escalation study in healthy volunteers

- Group 1 (n=13): Food effect crossover (REC-4881 4 mg/PBO [fed/fasted]), followed by single dose REC-4881 8 mg/PBO [fed]
- Group 2 (n=12): Matched single ascending dose (REC-4881 4 mg/PBO; REC-4881 8 mg/PBO; REC-4881 12 mg/PBO)

Accomplished



Recursion formulation yields exposures comparable to Takeda



No food effect



Dose proportional increases in exposure



Similar to C20001 study, observed pERK inhibition (i.e. target engagement) at 8 mg and 12 mg doses



Acceptable safety profile



TUPELO Clinical Trial : REC-4881 for FAP Phase 2 Underway

Phase 2 trial initiated in Q3 2022

Enrollment Criteria

- Confirmed APC mutation
- Post-colectomy/proctocolectomy
- No GI cancer present
- Polyps in either duodenum (including ampulla of Vater) or rectum/pouch

Outcome Measures

- Primary:
 - Part 1: PK
 - Part 2: % Change from Baseline in Polyp Burden
- Secondary:
 - Part 1: Safety & Tolerability
 - Part 2: PK; PD; Change from Baseline in Polyp Number, Histological grade, disease scoring
- Exploratory:
 - Part 1: PD
 - Part 2: Time to first occurrence of FAP-related event; Change from baseline in extent of Desmoid Disease

Part 1

Enroll
N = 7
(5:2 active/placebo)

Single Dose
(4mg or PBO)



Multiple Dose
(4mg or PBO)

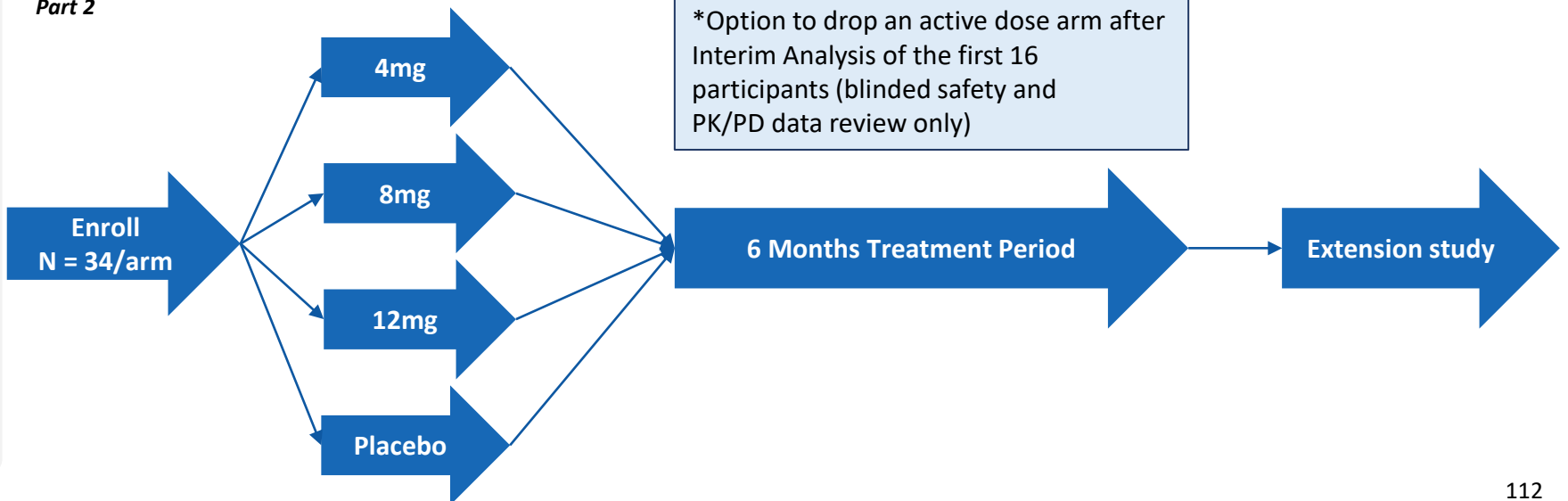
Option to roll into Part 2...

Trial Update

- Recent protocol amendments aimed at accelerating quality and pace of the trial

Screening & Randomization 1:1:1:1	Treatment	Follow-up
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Part 2



*Option to drop an active dose arm after Interim Analysis of the first 16 participants (blinded safety and PK/PD data review only)

REC-4881 for the Treatment of Solid Tumors with AXIN1/APC Mutant Cancers

Target / MOA

MEK Inhibitor

Molecule Type

Small Molecule

Lead Indication(s)

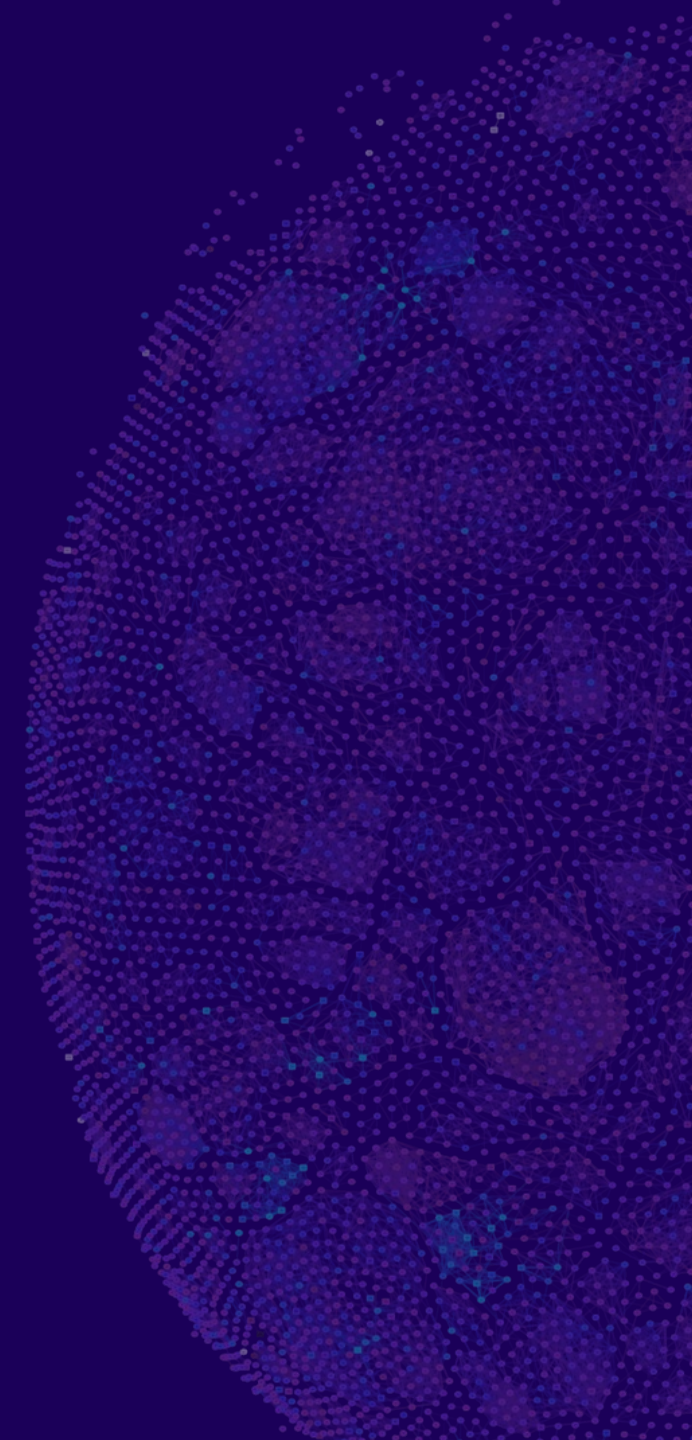
Solid Tumors with AXIN1/APC Mutant Cancers

Status

Phase 1b/2

Source of Insight

Recursion OS



Disease Overview : *AXIN1/APC* mutant cancers



Gross morphology of HCC tumor

- **Sustained Wnt signaling** is a frequent driver event found across a wide variety of solid tumors
- Dysregulation of β -catenin destruction complex due to inactivating mutations in *AXIN1/APC* leads to **sustained Wnt signaling promoting** cancer progression and survival¹
- *AXIN1/APC* **mutant solid tumors** are considered clinically aggressive and resistant to standard treatments

“Nothing in HCC has immediate therapeutic relevance and the most common mutations are TERT, TP53, and Wnt (CTNNB1/*AXIN1/APC*) and combined these alterations define almost 80% of patients and are not targetable”

- KOL, Clinical Investigator, Texas

Disease Overview : AXIN1/APC mutant cancers

Tumor Type	Alteration Frequency ¹	Treatable Population ^{2,3} (US+EU5)
LUAD	11%	10,000
HCC	12%	7,600
Prostate	11%	5,600
Bladder	8%	3,700
Esophageal	7%	2,000
Endometrial	12%	1,500
PDAC	2%	1,000
Ovarian	1%	350
TNBC	2%	200
		~32,000

Flexible Patient Selection Strategy and Study Design

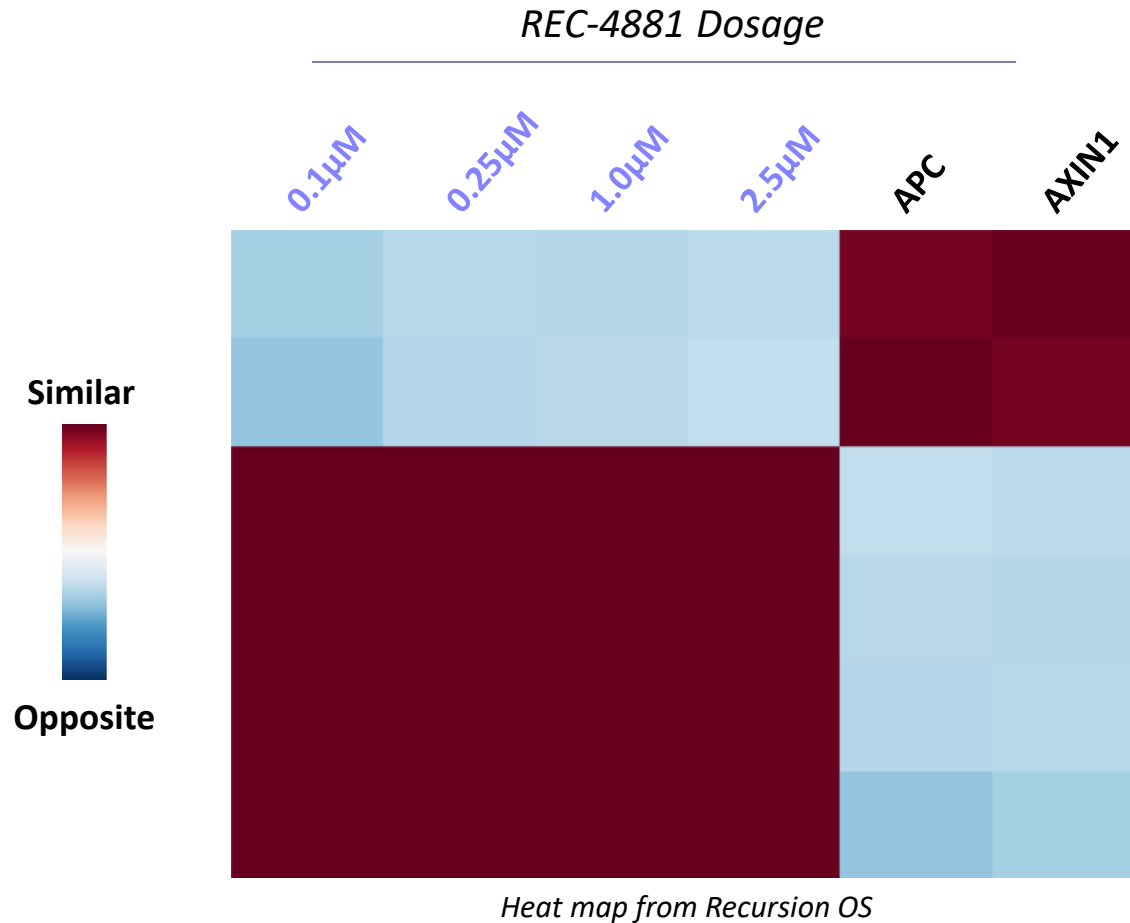
- AXIN1 and APC genes covered by commercially available NGS panels and liquid biopsy detection assays
- FDA guidance supports utility of ctDNA as patient selection for the detection of alterations for eligibility criteria and as a stratification factor for trials enrolling marker-positive and marker-negative populations⁴
- Multiple tumor types will inform study design and patient selection

Preclinical data with REC-4881 at clinically relevant exposures in HCC and Ovarian PDX mouse models gives confidence to pursue other mutant cancer types

¹Represents higher of either AXIN1 or APC alteration frequency; obtained from cbiportal.org. ²Represents 2L prevalence estimates; obtained from DRG. ³HCC treatable population includes potential 1L treatment regimen.

⁴ <https://www.fda.gov/media/158072/download>

Insight from OS : Novel Insight around Established MoA



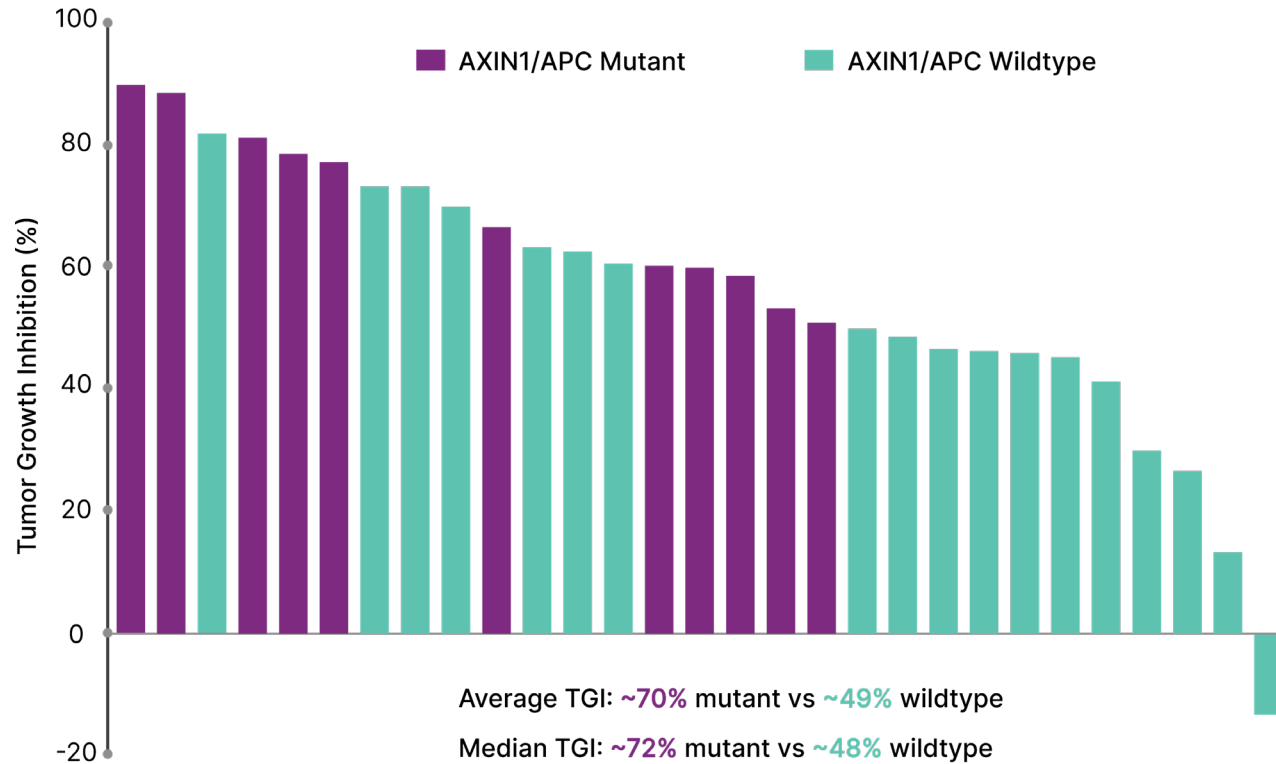
Hypothesis: Rescue of *AXIN1* may impact tumor progression and/or restore checkpoint sensitivity in cancers driven by *AXIN1* loss

Recursion Differentiation: REC-4881 rescues tumor suppressor genes *APC* and *AXIN1*

- *APC* and *AXIN1* are negative regulators of Wnt signaling
- Both proteins form part of the B-catenin destruction complex. Strong clustering suggests map recapitulation of this biology

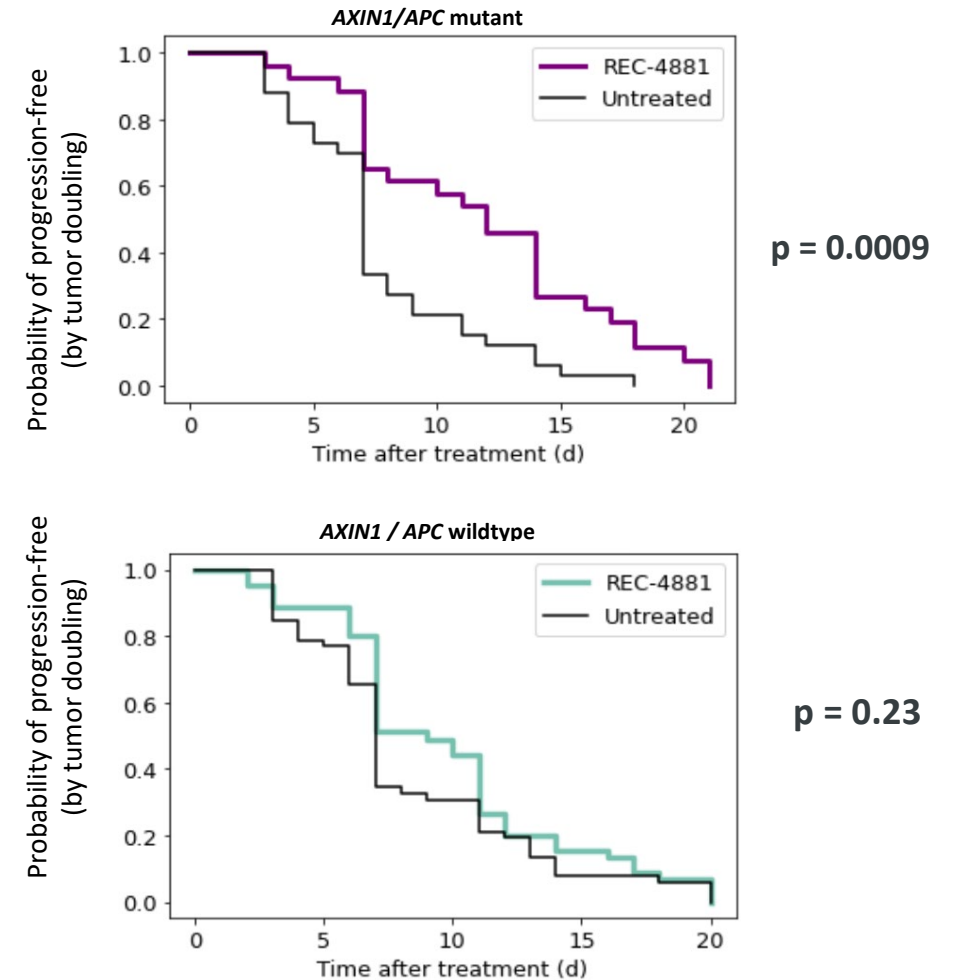
Further Confidence : Preclinical Studies Confirming Insight

Efficacy found in In Vivo Mice Models ...



Note: REC-4881 dosed at 3 mg/kg QD for up to 21 days. 3 mice per treatment per model (3 x 3 x 3) design

... Led to Significant Progression Free Survival



Next Steps

- ❑ Finalize design of a Phase 1b/2 biomarker-enriched trial
- ❑ Initiate Phase 1b/2 trial in select tumor types in early 2024
- ❑ Identify suitable partners for genetic testing capabilities
- ❑ Evaluate REC-4881 in combination with targeted and/or immune modulating agents

REC-3964 for the Treatment of Clostridium Difficile Infection

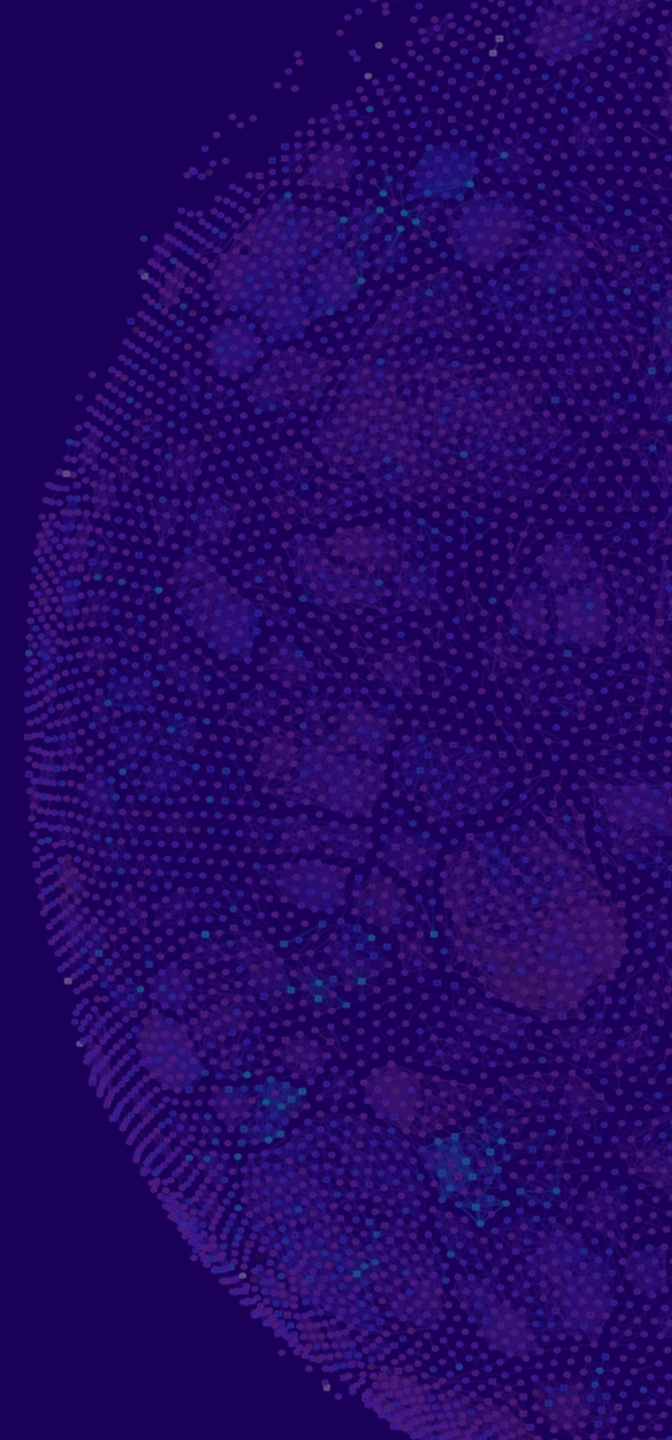
Target / MOA Selective C. diff Toxin Inhibitor

Molecule Type Small Molecule

Lead Indication(s) Clostridium Difficile Infection

Status Phase 1

Source of Insight Recursion OS

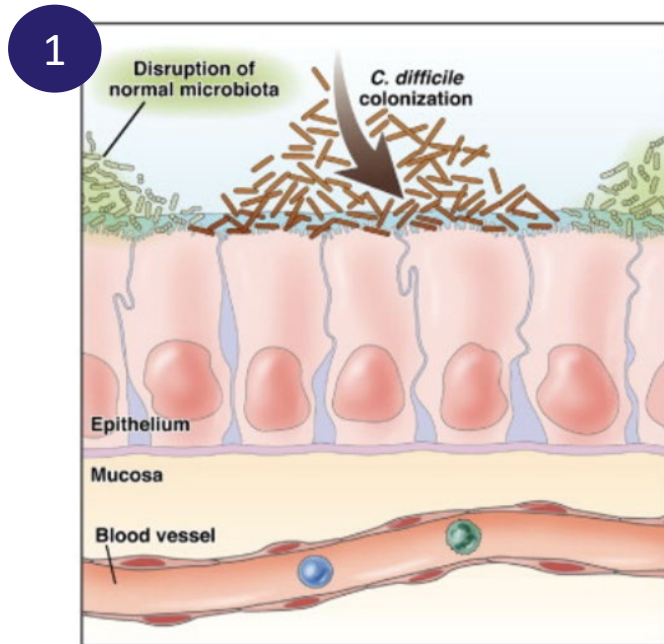
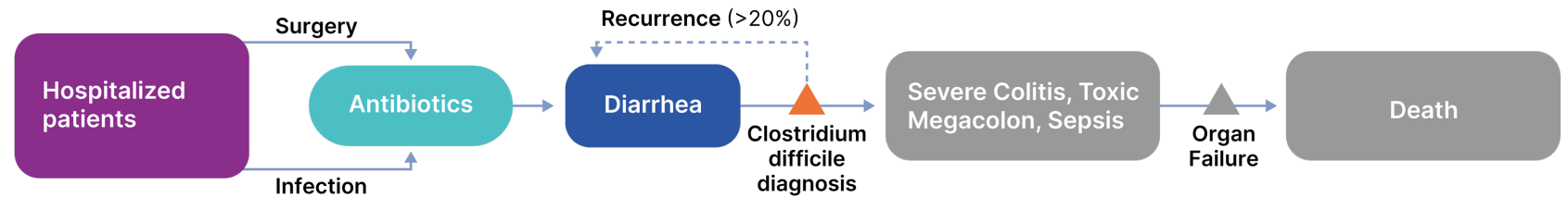


Clinical: *C. diff*

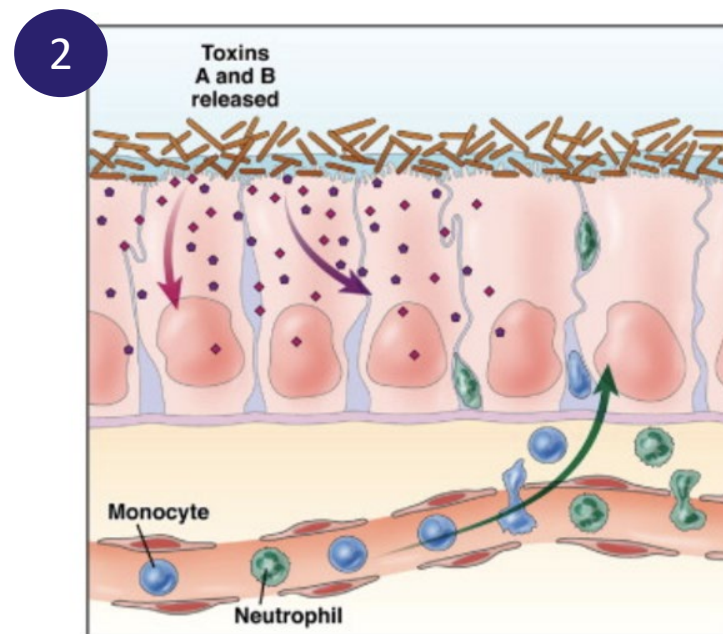
Disease Overview : Clostridium Difficile Infection (CDI)

C.diff is the leading cause of antibiotic-associated diarrhea

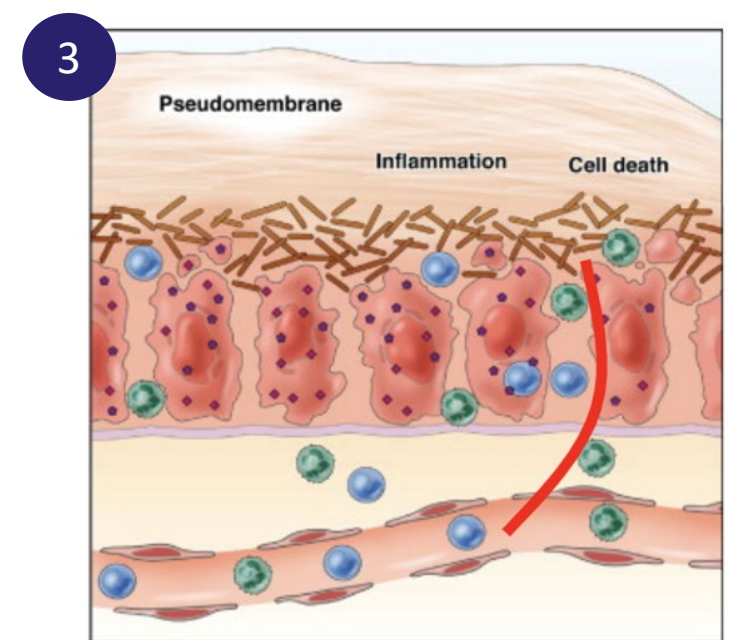
(over 500,000 annual cases)



Disruption of microbiota and colonization of *C. diff*



*Release of *C. diff* toxins*



Degradation of colon cell junction & toxin transit to bloodstream

Clinical: *C. diff*

Disease Overview : Clostridium Difficile Infection (CDI)



Colleen – lived with rCDI

Patient Population – Large, Diagnosable and Easy to Identify

- Symptoms caused by clostridium difficile tissue-damaging toxins released in the colon
- Patients who experience >3 unformed stools are diagnosed via NAAT* for toxin gene or positive stool test for toxins
- Patients who are at highest risk are those on antibiotics, and frequently visit hospitals or are living in a nursing home
- More than **80% of cases** occur among patients **age 65** or older

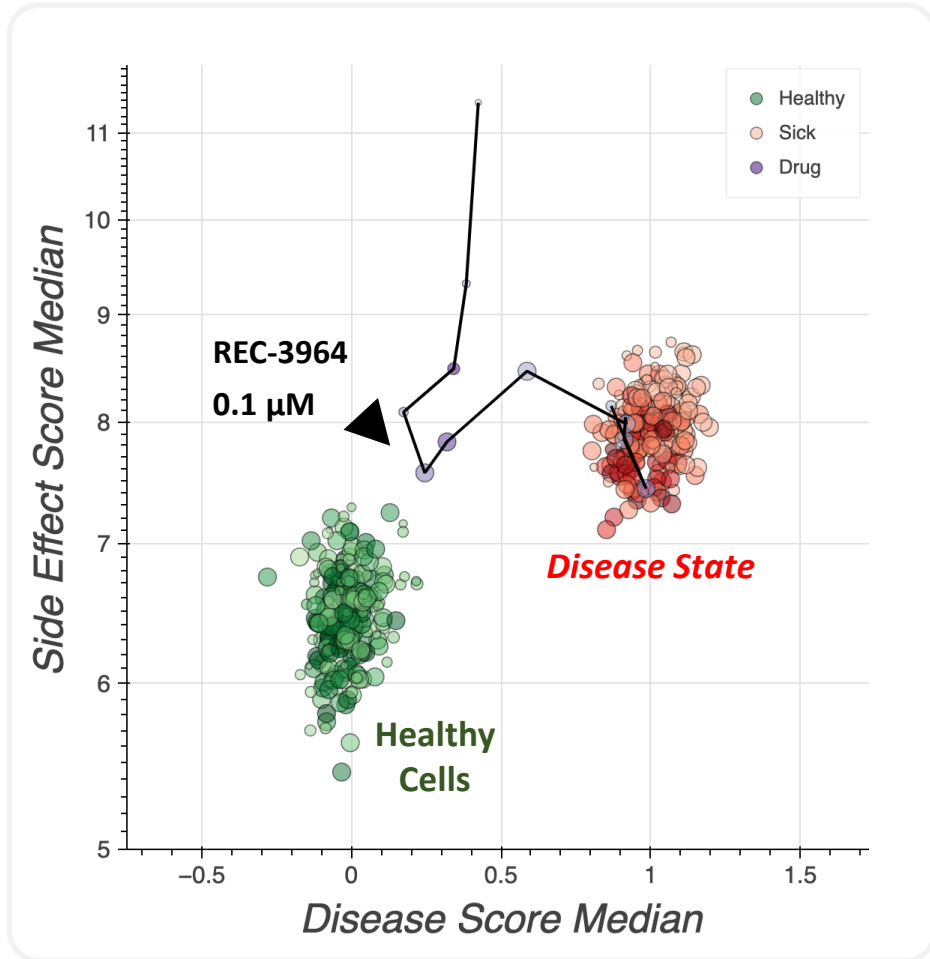
Large, Unmet Need with Significant Cost Burden

- RCDI** occurs in **20-30% of patients treated with standard of care**
 - 40% of those patients will continue to recur with 2+ episodes
- **>29,000 patients** die in the US each year from CDI
- Cost burden of up to **\$4.8bn annually**

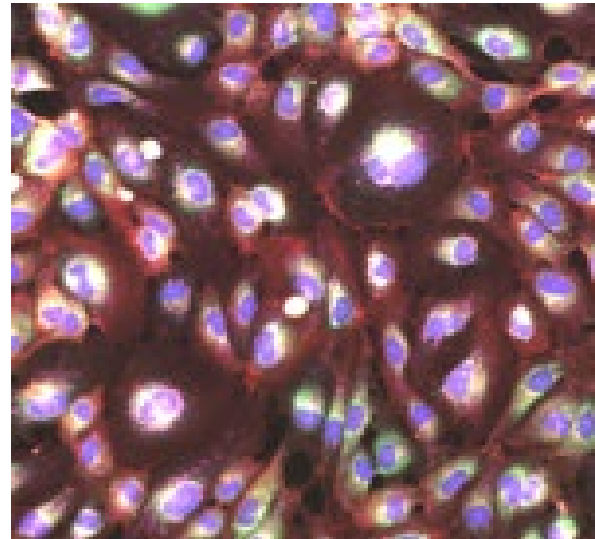
~730,000 Diagnosed US + EU5 patients

Clinical: *C. diff*

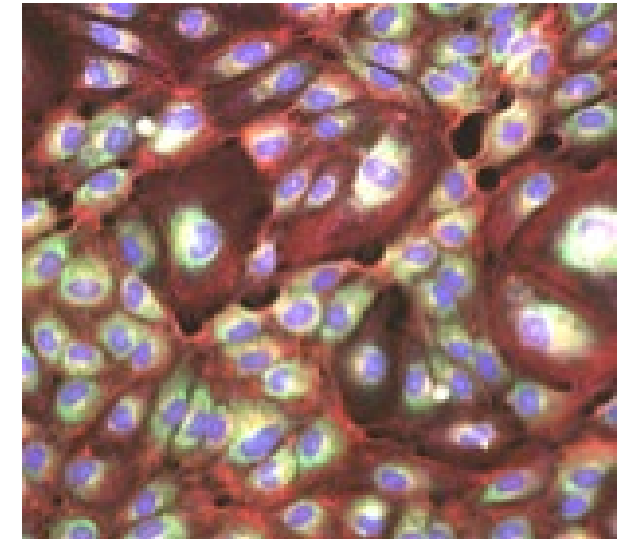
Insight from OS : REC-3964 Rescued Cells Treated with *C. diff* Toxins



REC-3964 identified as a NCE that demonstrated strong rescue in HUVEC cells treated with *C. diff* toxin



C. diff toxin B phenotype

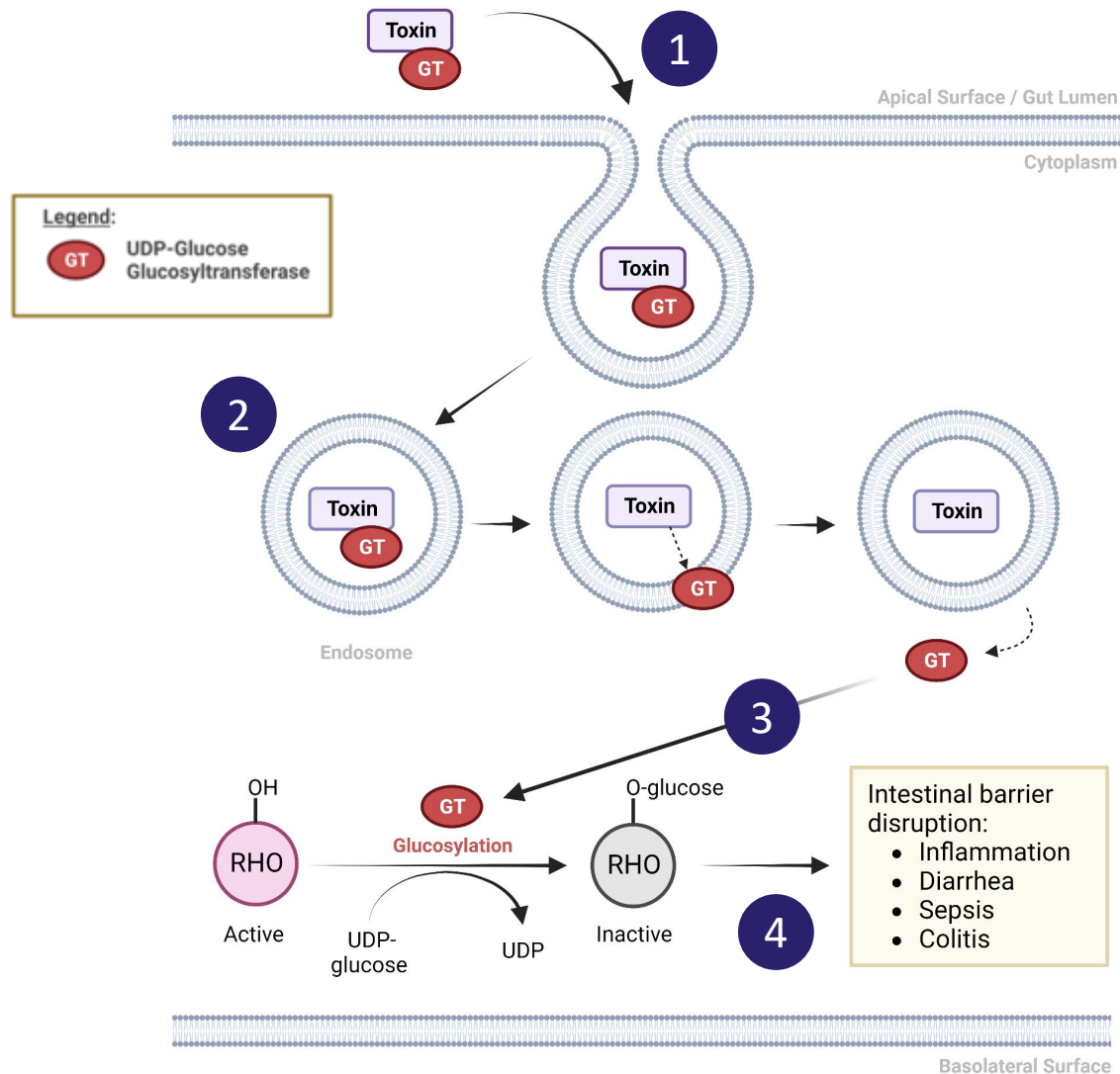


Healthy Control

Clinical: *C. diff*

REC-3964 : Selective Inhibitor of *C. diff* Toxins

REC-3964 is Recursion's 1st Small Molecule NCE to Reach the Clinic

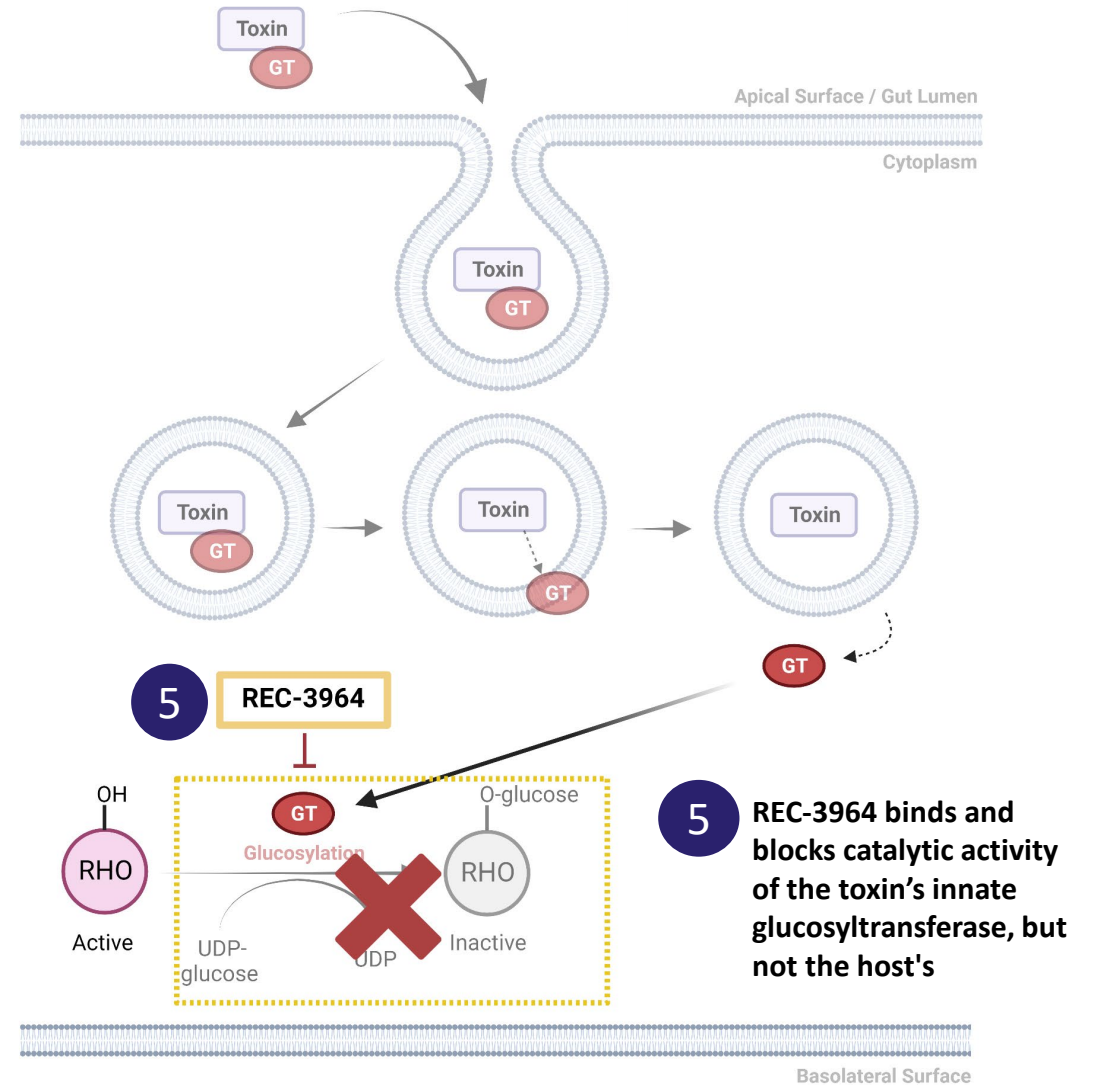
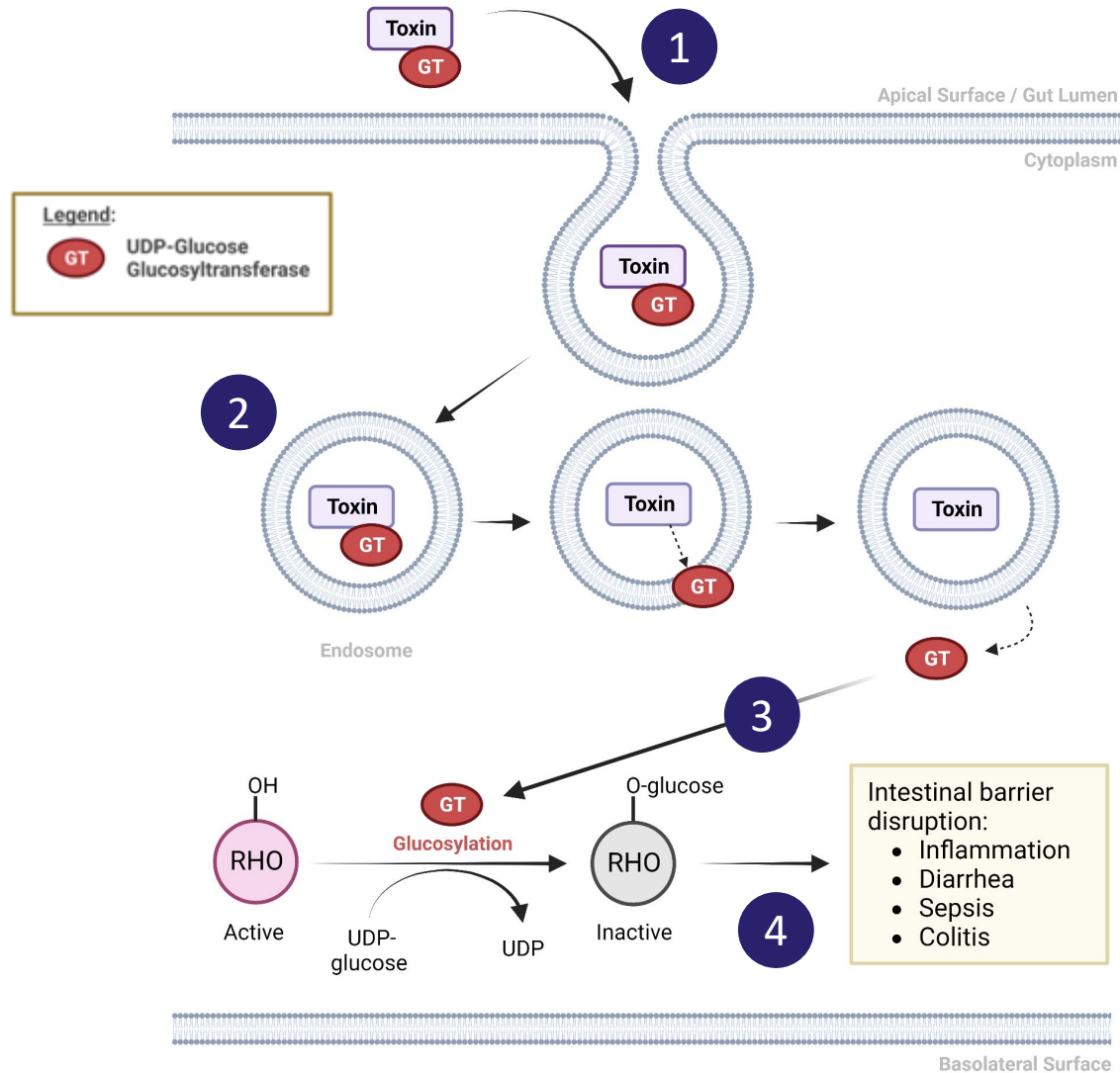


- 1** C.diff toxins bind to cell surface receptors and trigger endocytic event
- 2** Autocatalytic cleavage event releases C.diff toxin's glucosyltransferase enzymatic domain into the cytosol of the infected cell
- 3** The glucosyltransferase locks Rho family GTPases in the inactive state
- 4** Inactivation of Rho GTPases alters cytoskeletal dynamics, induces apoptosis, and impairs barrier function which drives the pathological effects of C.diff infection

Clinical: *C. diff*

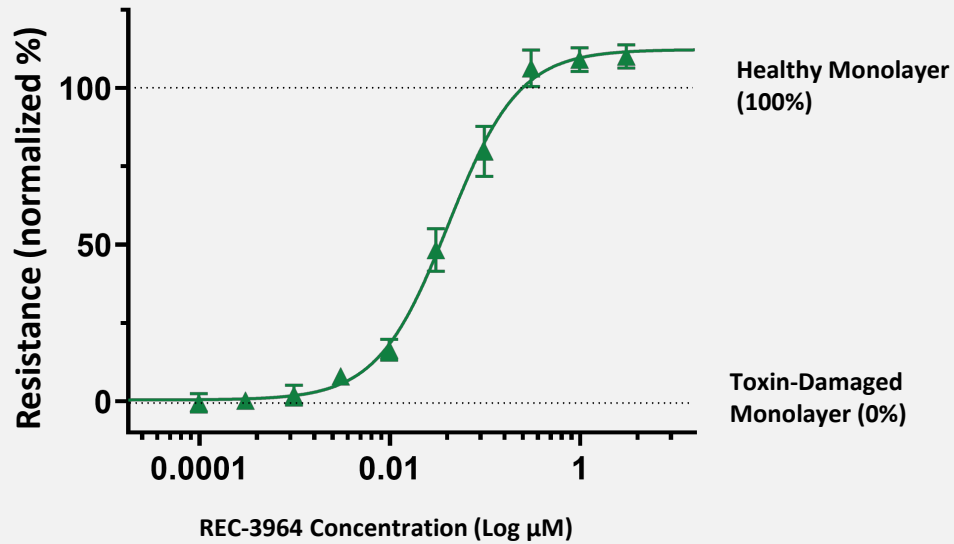
REC-3964 : Selective Inhibitor of *C. diff* Toxins

REC-3964 is Recursion's 1st Small Molecule NCE to Reach the Clinic



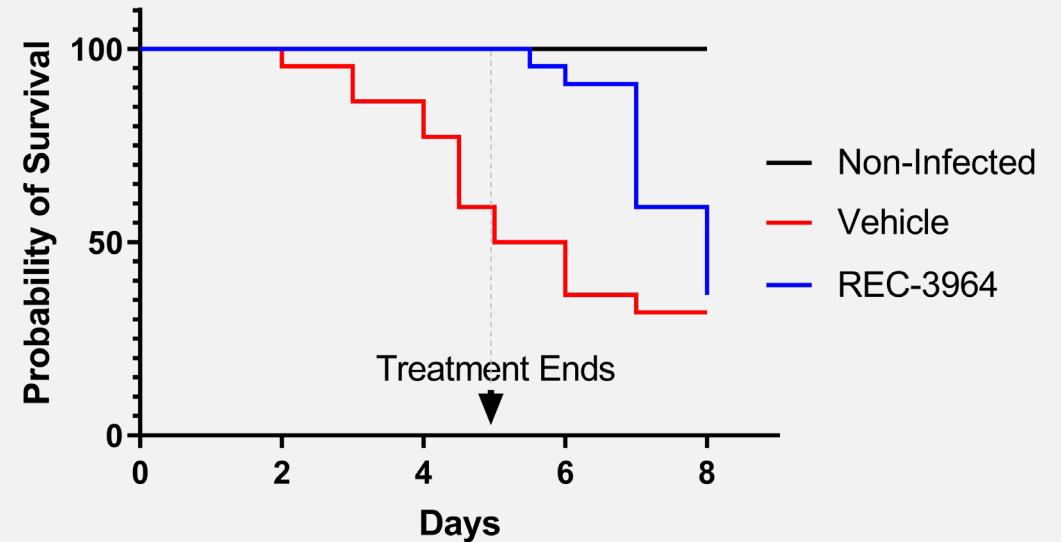
Further Confidence : Preclinical Studies Confirmed Recursion OS Insight

REC-3964 rescues barrier integrity with increasing concentrations



- ✓ REC-3964 restores gut epithelial barrier integrity, which when disrupted causes inflammation and diarrhea

REC-3964 improved probability of survival in a hamster model of *C. difficile* infection



- ✓ Improved probability of survival beyond treatment completion

Clinical: *C. diff*

Clinical Trial : REC-3964 Phase 1 Study Underway

Phase 1 FIH SAD/MAD Trial initiated in Q3 2022

Trial Design

- Randomized, Double-blind Trial

Population

- Healthy Subjects
- SAD (n = 56)
- MAD (n = 50)

Primary Objectives

- ✓ Assess the safety & tolerability of SAD and MAD of REC-3964
- ✓ Evaluate the PK profile of REC-3964 after single and multiple doses

Trial Update

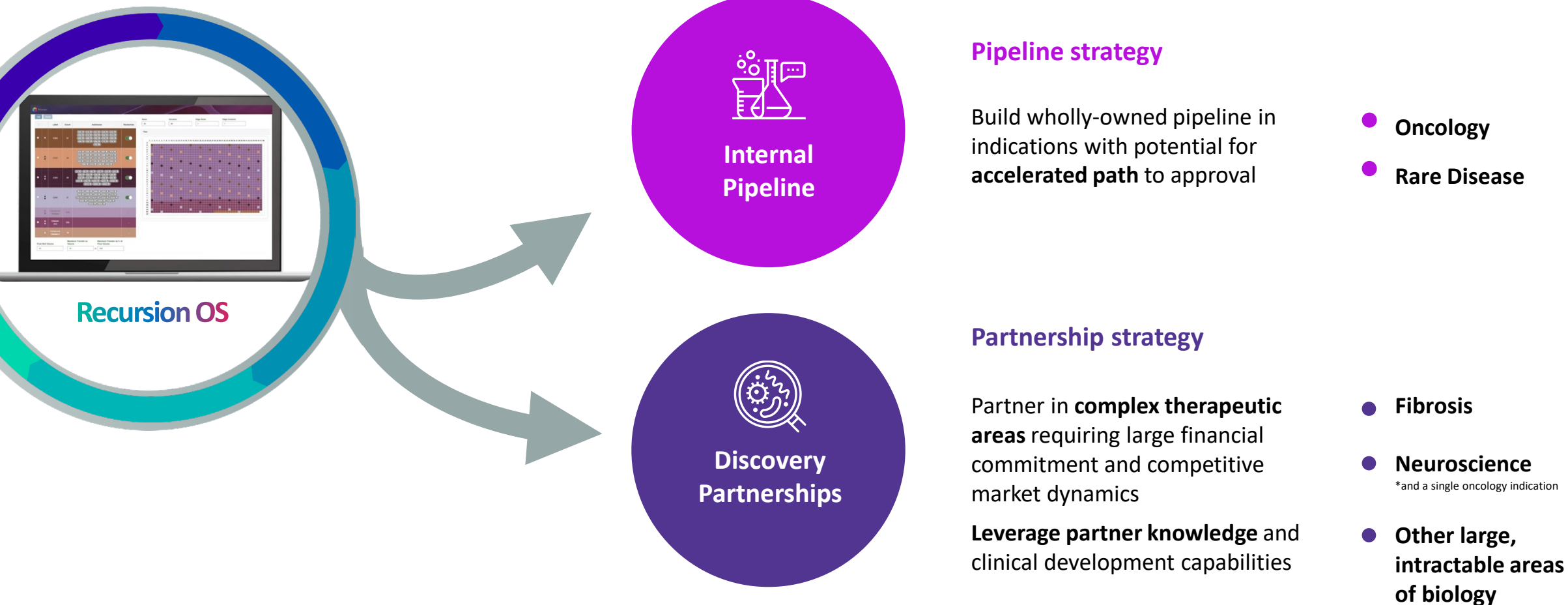
- Enrollment is progressing
- In several SAD cohorts and at least one MD cohort, REC-3964 has been extremely safe and well tolerated
- **Complete safety and PK data readout expected 2H 2023**

Partnerships

Matt Kinn

Senior Vice President of Business
Development

How we create value using our maps of biology and chemistry



Our existing partnerships represent some of the most significant scientific collaborations in biopharma



(Announced Sep 2020; Expanded Dec 2021)

● **Fibrosis**

- \$30M upfront and \$50M equity investment
- Up to or exceeding \$1.2B in milestones for up to or exceeding 12 programs
- Mid single-digit royalties on net sales
- Recursion owns all algorithmic improvements



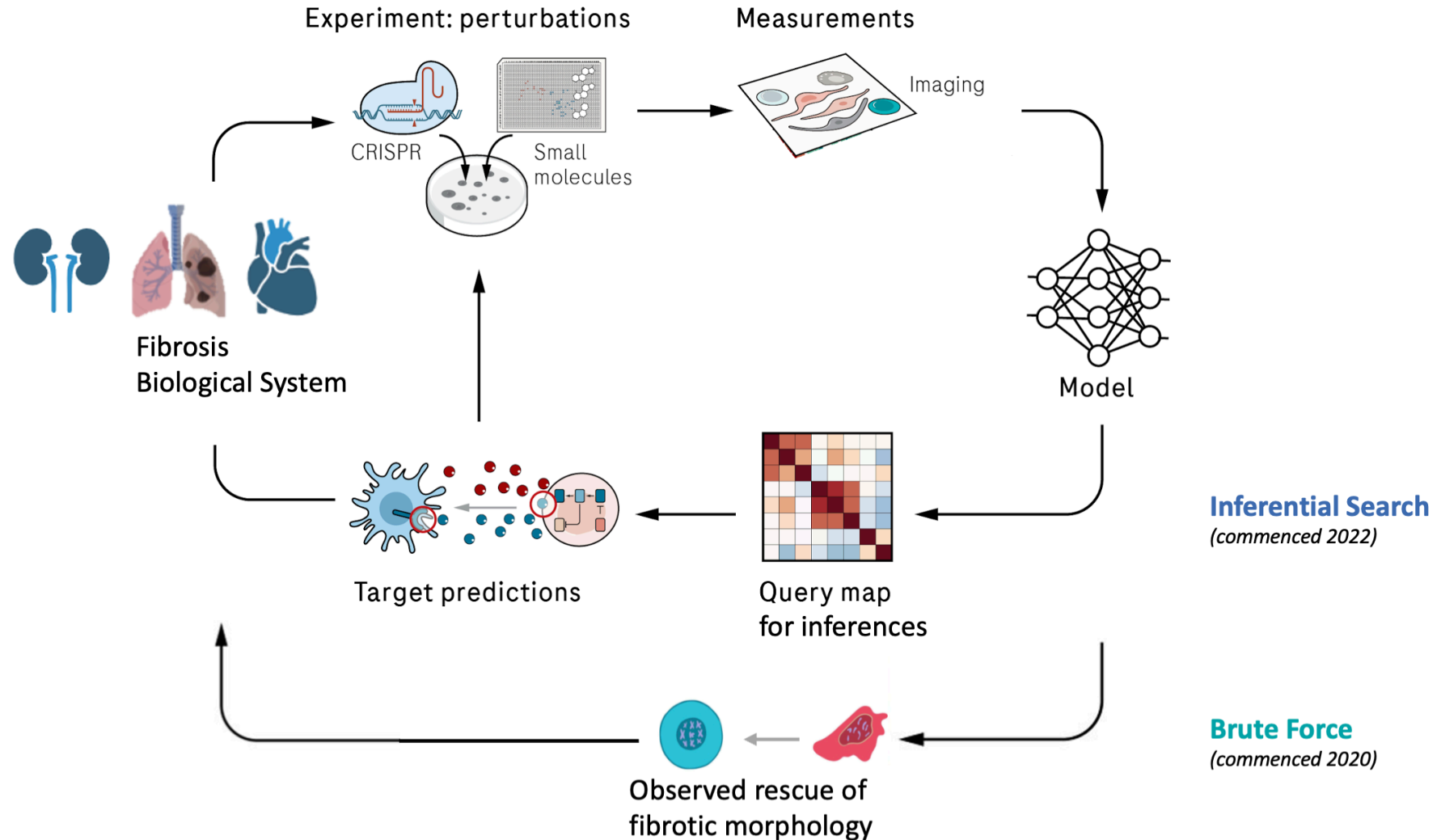
Genentech
A Member of the Roche Group

(Announced Dec 2021)

● **Neuroscience** *and a single oncology indication

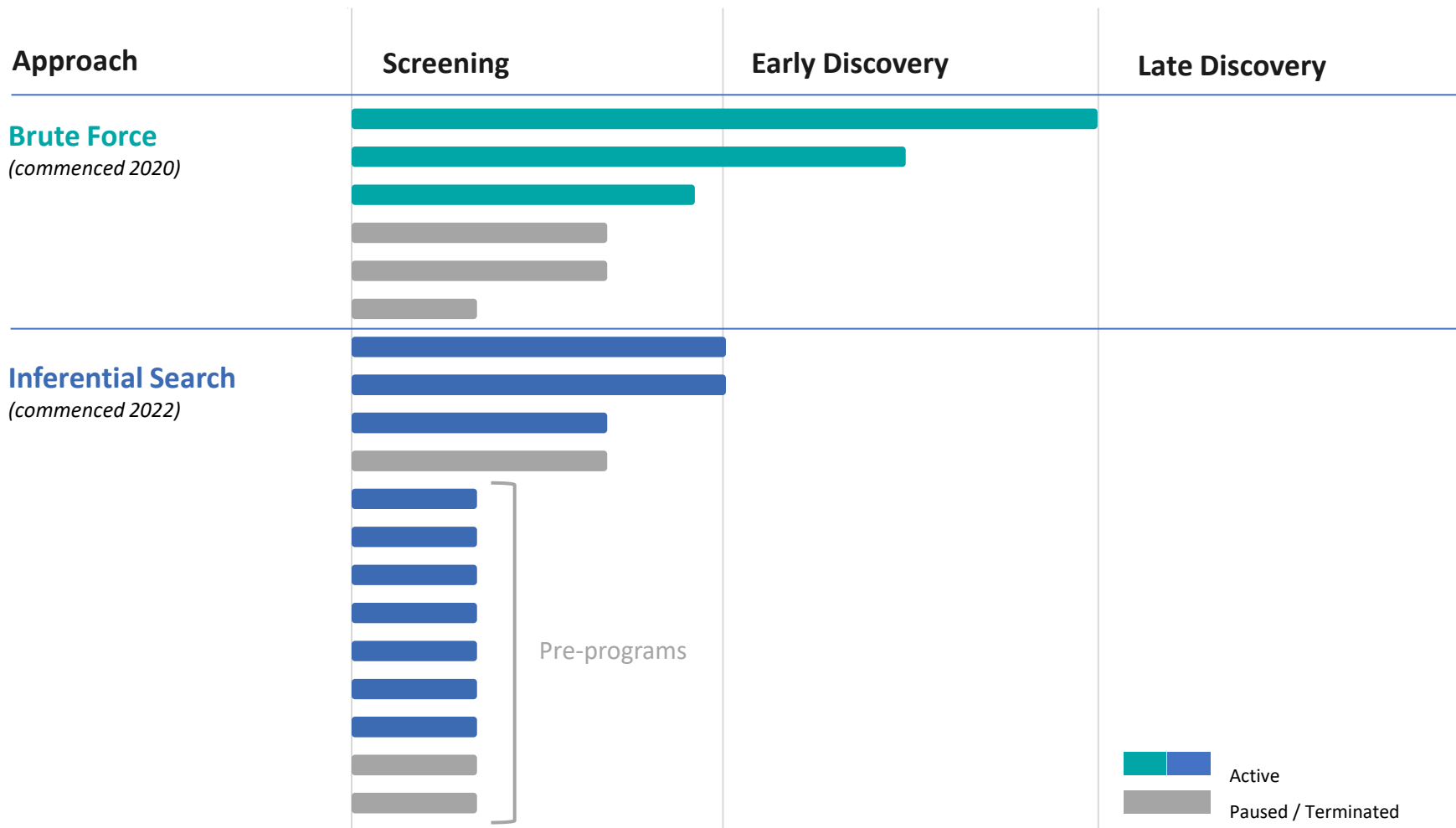
- \$150M upfront and up to or exceeding \$500M in research milestones and data usage options
- Up to or exceeding \$300M in possible milestones per program for up to 40 programs
- Mid to high single-digit tiered royalties on net sales
- Recursion owns or co-owns all algorithmic improvements

We are leveraging the Recursion OS in multiple ways to identify novel fibrosis-relevant biology



Multiple programs advancing in parallel to near-term milestones

Transition to Inferential Search has accelerated new program initiation in 2022



8

Projects initiated;
4 in 2022

40 million

experiments performed

2 PB

of data generated

>500,000

Phenoprints
Mapped

~100

fibrosis-relevant genes
ready for further study

100%

of projects to be sourced from
inferential search in 2023

Our existing partnerships represent some of the most significant scientific collaborations in biopharma



(Announced Sep 2020; Expanded Dec 2021)

● Fibrosis

- \$30M upfront and \$50M equity investment
- Up to or exceeding \$1.2B in milestones for up to or exceeding 12 programs
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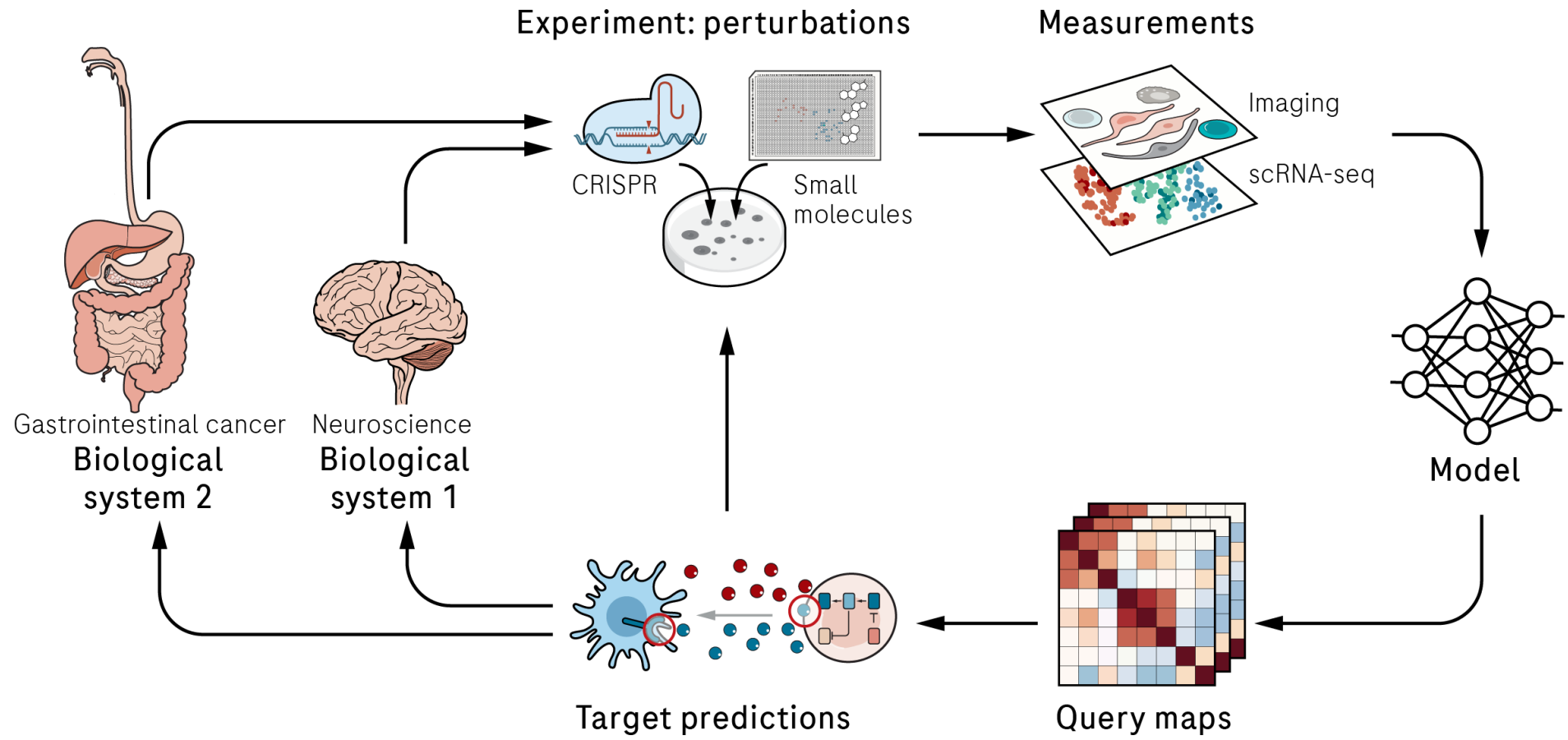
Genentech
A Member of the Roche Group

(Announced Dec 2021)

● Neuroscience *and a single oncology indication

- \$150M upfront and up to or exceeding \$500M in research milestones and data usage options
- Up to or exceeding \$300M in possible milestones per program for up to 40 programs
- Mid to high single-digit tiered royalties on net sales
- Recursion owns or co-owns all algorithmic improvements

Under our collaboration with Roche & Genentech, we are creating multi-modal maps of cellular biology to elucidate novel targets and starting points



Financials & Milestones

Michael Secora PhD

Chief Financial Officer

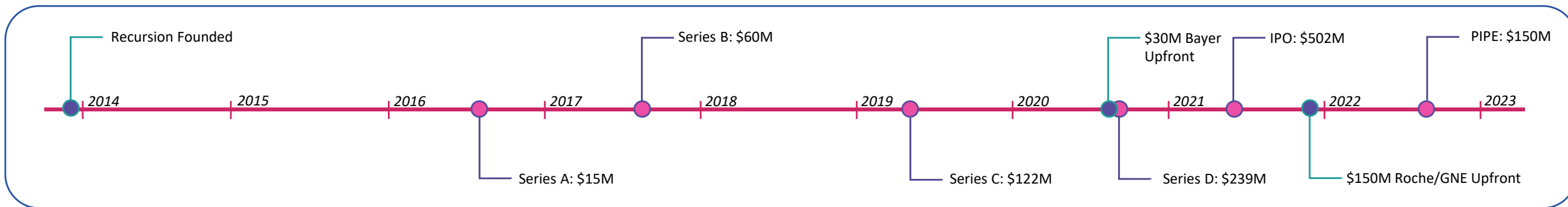
Financial position – strong yet prudent expansion

- **Cash and cash equivalents**
 - Currently projecting ~\$550M at the end of 2022
- **Operating costs and expenses**
 - Currently projecting ~\$275-295M in 2022
 - Based on current operations, we project relatively **flat operating costs and expenses** in the near term
- **Revenue**
 - Currently projecting ~\$30-45M in 2022
 - **Potential for increased revenue** in the near-term from the following sources:
 - Potential **partnership option exercises**
 - Potential **additional partnership(s)**
 - **Revenue recognition** from existing partnerships

Condensed Consolidated Statements of Operations

	Three months ended September 30		Nine months ended September 30	
<i>(Unaudited, in thousands)</i>	2022	2021	2022	2021
Revenue				
Operating revenue	\$ 13,053	\$ 2,500	\$ 26,005	\$ 7,500
Grant revenue	107	34	162	145
Total revenue	\$ 13,160	\$ 2,534	\$ 26,167	\$ 7,645
Operating costs and expenses				
Cost of revenue	\$ 15,409	-	\$ 37,435	-
Research and development	40,836	33,246	111,716	86,979
General and administrative	19,488	15,690	61,761	38,481
Total operating expenses	\$ 75,733	\$ 48,936	\$ 210,912	\$ 125,460
Loss from operations	(\$62,573)	(\$46,402)	(\$184,745)	(\$117,815)
Other income (loss), net	2,128	(1,026)	2,761	(3,731)
Net loss	(\$60,445)	(\$47,428)	(\$181,984)	(\$121,546)

Funding history – uniting the worlds of tech and bio investing

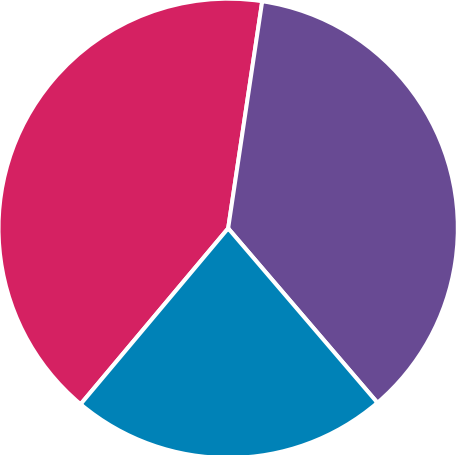


What it takes to make this happen – a new kind of team and culture

Team Members

~500 Employees

43% Advanced degrees



- Life Sciences – biology, chemistry, development, etc.
- Technology – data science, software engineering, automation, etc.
- Strategic Operations

43% Female 55% Male 1% Non-Binary

Parity Pledge Signer - gender parity and people of color parity

ESG Highlights

- ✓ Inaugural ESG report in 2022 – reporting on **Healthcare and Technology Metrics**
- ✓ **100% of electricity** powering our Biohive-1 supercomputer comes from renewable sources

Community Impact

altitude ▲ lab
 Founding Partner,
 Life Science Accelerator

biohive
 Founding Member,
 Life Science Collective

Committed to ESG Excellence



Our leadership team brings together experience & innovation to lead TechBio

Executive Team



CHRIS GIBSON, PHD
Co-Founder & CEO



TINA LARSON
President & COO



SHAFIQUE VIRANI, MD FRCS
Chief Business Officer &
Interim CMO



MICHAEL SECORA, PHD
Chief Financial Officer



HEATHER KIRKBY, MBA
Chief People Officer



LAURA SCHAEVITZ, PHD
SVP and Head of Research



BEN MABEY
Chief Technology Officer



KRISTEN RUSHTON, MBA
SVP of Business Operations



NATHAN HATFIELD, JD MBA
SVP and Head of Legal



Board of Directors



R. MARTIN CHAVEZ, PHD
Chairman of RXRX,
Board Member of Alphabet,
Vice-Chairman of 6th Street,
Former CFO/CIO of GS



CHRIS GIBSON, PHD
Co-Founder & CEO



DEAN LI, MD/PHD
Co-Founder of RXRX,
President of Merck Research Labs



ZAVAIN DAR
Co-Founder & Partner
of Dimension



TERRY-ANN BURRELL, MBA
CFO & Treasurer,
Beam Therapeutics



ROB HERSHBERG, MD/PHD
Co-Founder/CEO/Chairman of HilleVax,
Former EVP/CSO/CBO of Celgene



BLAKE BORGESON, PHD
Co-Founder of RXRX



ZACHARY BOGUE, JD
Co-Founder & Partner
of Data Collective



What to watch for at Recursion

Upcoming Potential Milestones

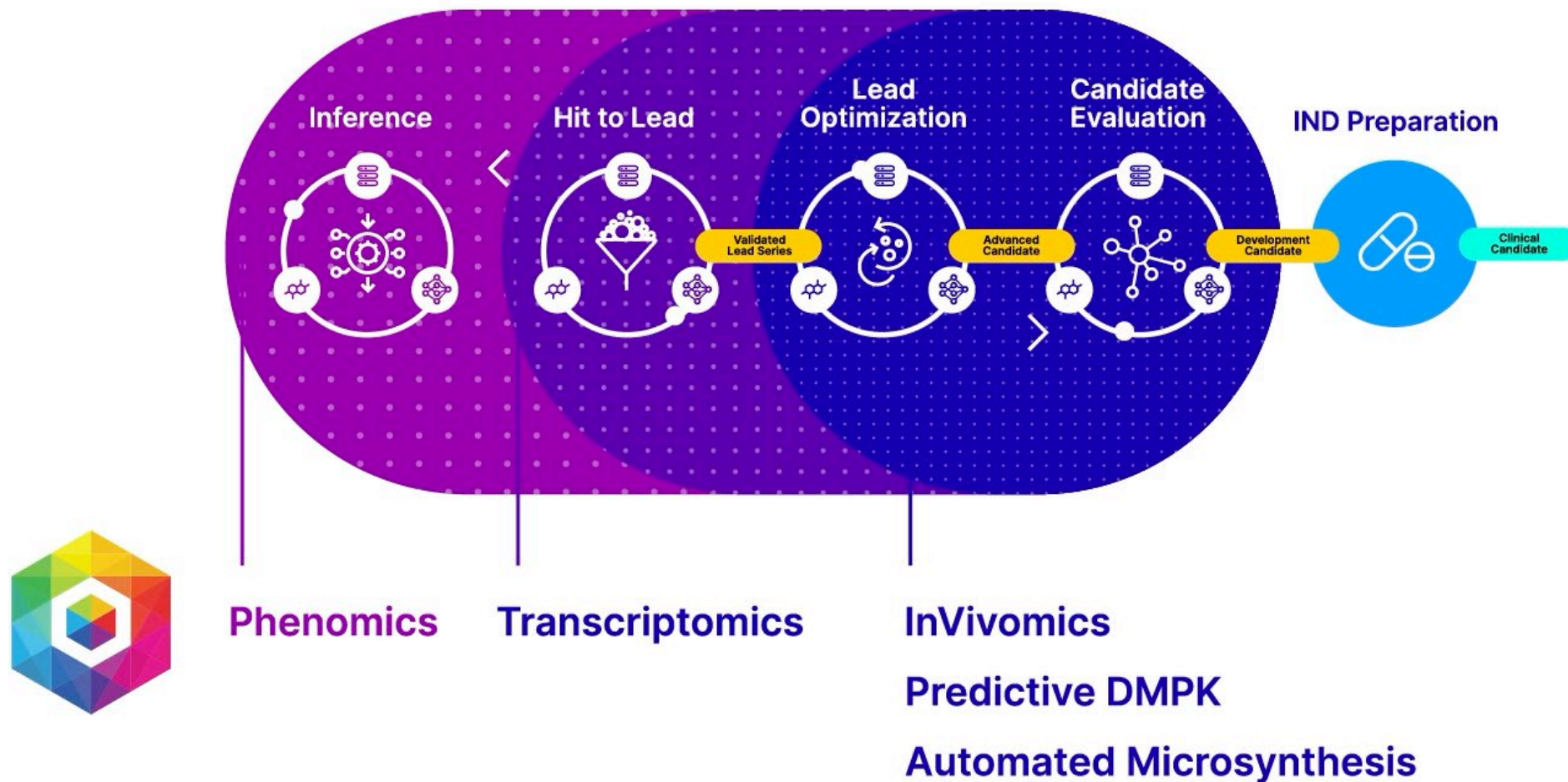
Near-Term

- Potential **option exercises** for partnership **programs**
- Potential **option exercises** for **map building** initiatives or data sharing
- Potential for **additional partnership(s)** in large, intractable areas of **biology and / or technological innovation**
- **Ph1 clinical trial readout** for **Clostridium difficile Colitis** program expected **2H 2023**
- Potential for **additional INDs and clinical starts**, including **Ph1b/2 trial initiation** for **AXIN1/APC** program
- Potential for consolidation of **technologies, talent and assets** to accelerate the Recursion OS

Medium-Term

- Multiple **POC readout(s)** for AI-discovered programs
 - **NF2 interim safety** analysis expected **2024**
 - **CCM top-line data** expected **2H 2024**
- Potential for **additional INDs and clinical starts**
- Potential **option exercises** for partnership **programs**
- Potential **option exercises** for **map building** initiatives or data sharing
- Potential **additional partnership(s)** in large, intractable areas of **biology and / or technological innovation**
- Recursion OS moves towards **autonomous map building and navigation** with digital and micro-synthetic chemistry

Continuing to mature the TechBio value proposition – multiple cycles of learning and iteration



Q&A

Chris Gibson PhD & Recursion Executive Team

Closing Remarks

Zavain Dar

Director of Recursion