



Harnessing the Genomic Revolution & Machine Learning to Pioneer Microbiome Therapeutics

CORPORATE PRESENTATION | APRIL 2022

Forward-Looking Statements

Statements contained in this presentation regarding matters that are not historical facts are “forward-looking statements” within the meaning of the Private Securities Litigation Reform Act of 1995, as amended. Words such as “anticipates,” “believes,” “expects,” “intends,” “plans,” “potential,” “projects,” “would” and “future” or similar expressions are intended to identify forward-looking statements. These forward-looking statements include, but are not limited to, statements regarding: the timing and resolution of the FDA clinical hold on the Company's investigational new drug application for CP101 in connection with the Company's SARS-CoV-2 donor screening protocols and informed consent process and the impact of the clinical hold on the Company's clinical and preclinical programs; the structure, timing and anticipated milestones of the Company's clinical trials, including specifically its Phase 3 trial in recurrent *C. difficile* and the initiation and conduct of a Phase 1 trial in autism spectrum disorder; the Company's and its collaborators' ability to obtain regulatory approval of CP101, FIN-211, TAK-524, FIN-525 and any other current and future product candidates that it develops; the Company's ability to expand its pipeline and to develop additional product candidates; its expectations regarding the potential market size and the rate and degree of market acceptance for any product candidates that it develops; the therapeutic value and commercial potential of candidates developed using its *Human-First Discovery* platform; the strength of the Company's patent portfolio; and the Company's expected cash runway. Because such statements are subject to risks and uncertainties, actual results may differ materially from those expressed or implied by such forward-looking statements. These risks and uncertainties include, among others: the risk that the Company may not be able to address the FDA's concerns regarding SARS-Cov-2 testing protocols and informed consent quickly or at all; uncertainties relating to regulatory applications and related filing and approval timelines, including the risk that the FDA may not remove the clinical hold; the Company's limited operating history and historical losses; the Company's ability to raise additional funding to complete the development and any commercialization of its product candidates; the Company's dependence on the success of its lead product candidate, CP101; the possibility that the Company may be delayed in initiating, enrolling or completing any clinical trials; results of clinical trials may not be sufficient to satisfy regulatory authorities to approve the Company's product candidates in their targeted or other indications (or such authorities may request additional trials or additional information); results of clinical trials may not be indicative of final or future results from later stage or larger clinical trials (or in broader patient populations once the product is approved for use by regulatory agencies) or may not be favorable or may not support further development; the Company's product candidates, including CP101 and FIN-211, may not generate the benefits to patients that are anticipated; the Company's ability to comply with regulatory requirements; ongoing regulatory obligations and continued regulatory review may result in significant additional expense to the Company and the Company may be subject to penalties for failure to comply; competition from third parties that are developing products for similar uses; the Company's ability to maintain patent and other intellectual property protection and the possibility that the Company's intellectual property rights may be infringed, invalid or unenforceable or will be threatened by third parties; the Company's ability to qualify and scale its manufacturing capabilities in anticipation of commencement of multiple global clinical trials; the Company's lack of experience in selling, marketing and distributing its product candidates; the Company's dependence on third parties in connection with manufacturing, clinical trials and preclinical studies; and risks relating to the impact and duration of the COVID-19 pandemic on the Company's business. These and other risks are described more fully in the Company's filings with the Securities and Exchange Commission (“SEC”), including the section titled “Risk Factors” in the Company's Annual Report on Form 10-K filed with the Securities and Exchange Commission on March 31, 2022, as well as discussions of potential risks, uncertainties, and other important factors in the Company's other filings with the SEC. All forward-looking statements contained in this presentation speak only as of the date on which they were made. Except to the extent required by law, the Company undertakes no obligation to update such statements to reflect events that occur or circumstances that exist after the date on which they were made.

Certain information contained in this presentation relates to or is based on studies, publications, surveys and other data obtained from third-party sources and the Company's own internal estimates and research. While the Company believes these third-party sources to be reliable as of the date of this presentation, it has not independently verified, and makes no representation as to the adequacy, fairness, accuracy or completeness of, any information obtained from third-party sources. Finally, while the Company believes its own internal research is reliable, such research has not been verified by any independent source.

Human-First Discovery® is a registered trademark of the Company.

Management team composed of accomplished biopharma executives and leading microbiome and machine learning experts



Mark Smith, PhD
Chief Executive Officer



Greg Perry
Chief Financial Officer



Debra Silberg, MD, PhD
Interim Chief Medical Officer



Marc Blaustein
Chief Operating Officer



Michelle Rose, PhD
Chief Regulatory Officer



Joe Vittiglio, JD
Chief Business & Legal Officer



Bryan Gillis, MBA
Chief Technology Officer



Alka Batycky, PhD
Chief Development Officer



Sonia Timberlake, PhD
Senior VP Research



Management team has collectively developed >40 approved therapeutics

The microbiome is an untapped target for therapeutic intervention

Humans carry 1000-fold more microbial genes than host genes

>20M
microbial genes

 **~20K human genes**

The microbiome is an organ system fundamental to human health

Immune
modulation



Metabolic
function



Neurologic
regulation



Enabled by genomics and data science, Finch is pioneering microbiome therapeutics

Investment Highlights

Positive pivotal data with lead asset provides foundation for future growth

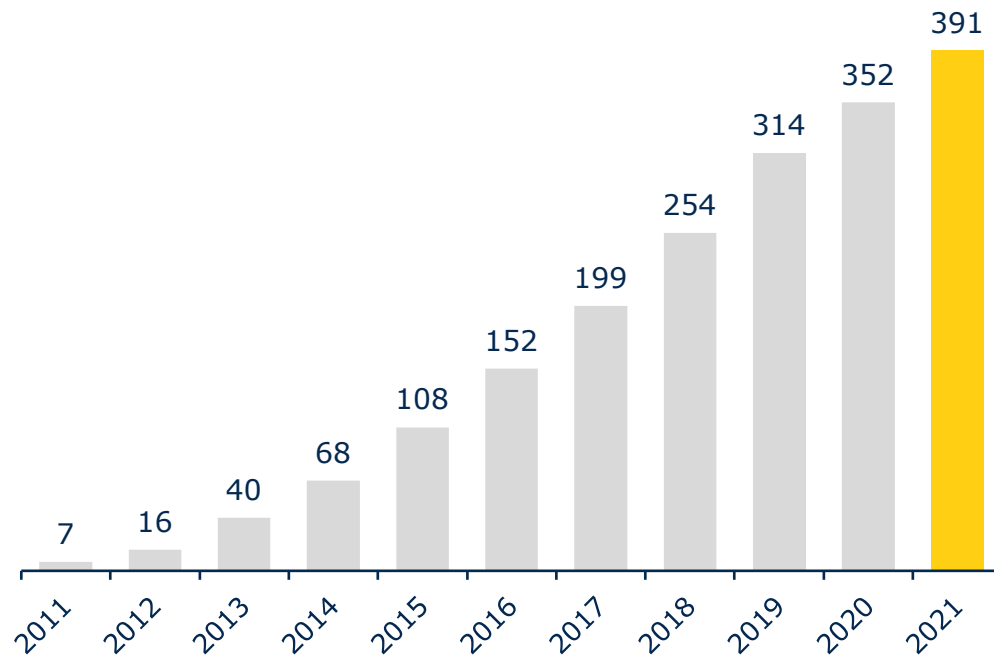
Differentiated discovery process, with proof-of-concept clinical data leveraged to guide product design and de-risk development

Uniquely positioned to harness full diversity and potential of the microbiome across diverse therapeutic areas; platform supported by leading patent portfolio

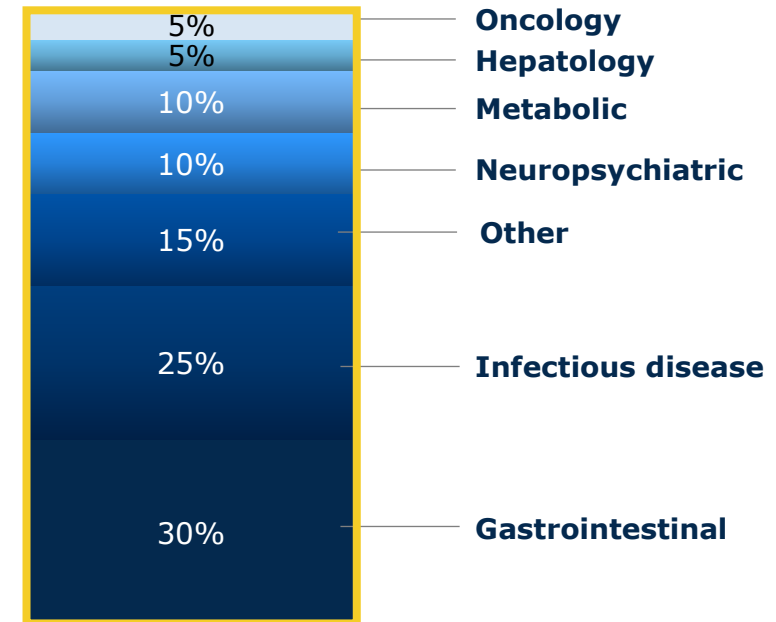
Leading machine learning-based platform recognized by Takeda partnership

Growing body of clinical evidence across diverse therapeutic areas fuels our discovery engine and guides product design

>300 registered clinical trials evaluating Fecal Microbiota Transplantation (FMT)

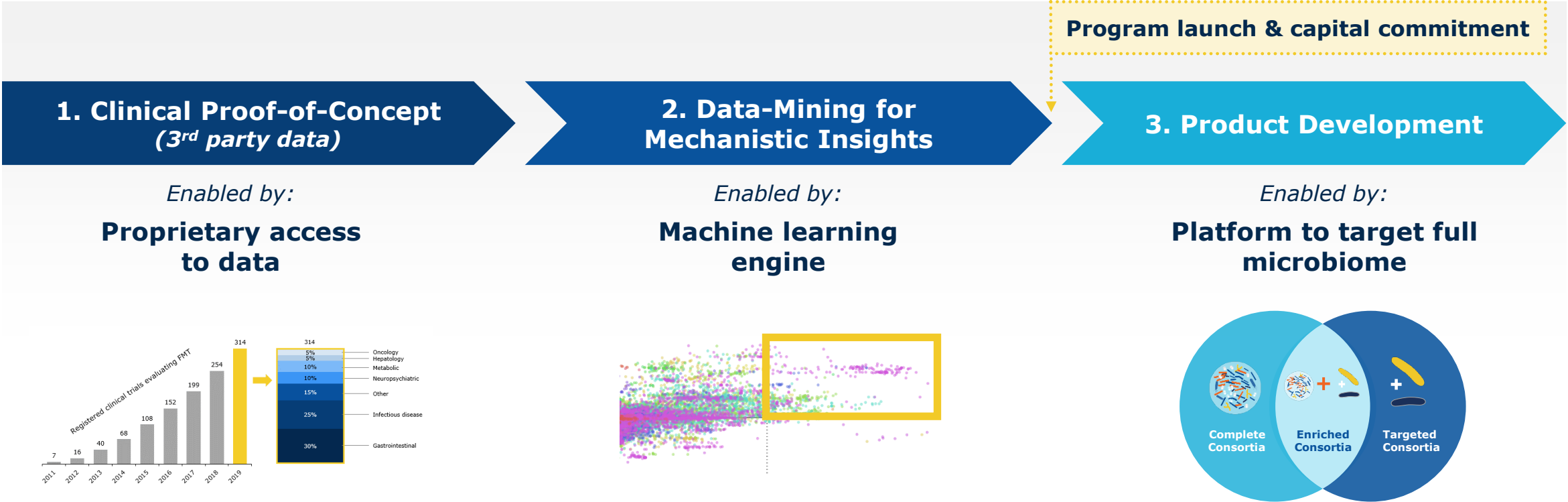


Recent FMT research spans diverse therapeutic areas with significant unmet needs



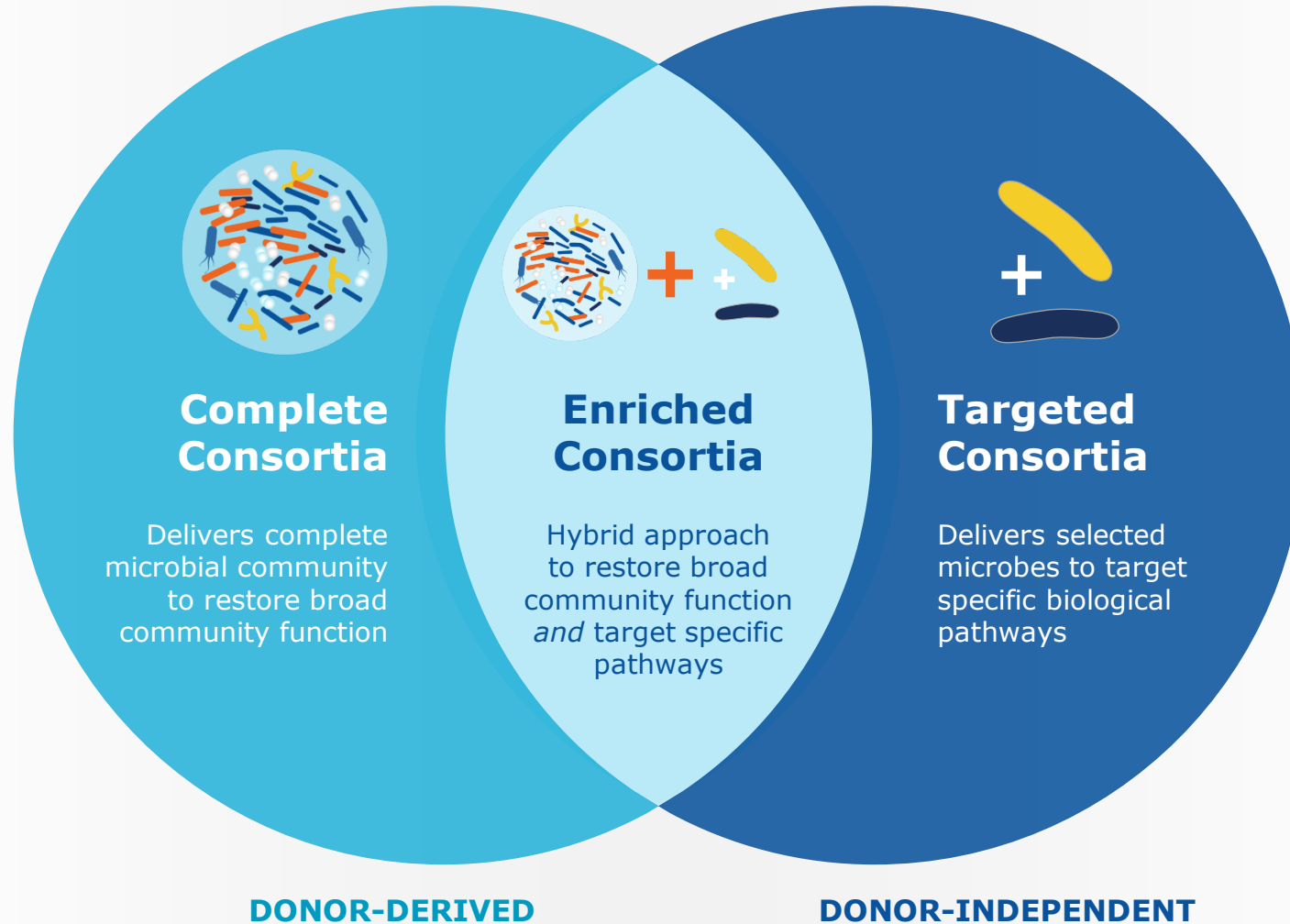
Finch has proprietary access to data through strategic partnerships with leading providers of FMT in the US, China and Australia

Our *Human-First Discovery* platform is designed to enable capital efficient de-risking











Starting discovery with proof-of-concept human data reduces risk early

Finch is the only company with both complete and targeted approaches for developing microbiome therapeutics



Finch is advancing a diverse portfolio designed to establish entry points into new therapeutic areas

	Candidate	Indication	Consortia Type	Preclinical	Phase 1	Phase 2	Phase 3	Program Rights
GI/Immuno	CP101	Recurrent <i>C. difficile</i>	Complete					
	TAK-524 (formerly FIN-524)	Ulcerative Colitis	Targeted					
	FIN-525	Crohn's Disease	Targeted					
Neuro	FIN-211	Autism Spectrum Disorder	Enriched					

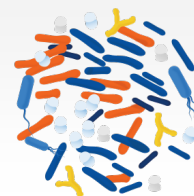
Enrollment in PRISM4 will remain paused until Finch is able to resolve the clinical hold on the IND for CP101 related to Finch's SARS-CoV-2 screening protocols, address recent FDA feedback and conduct additional manufacturing activities to satisfy requests related to SARS-CoV-2 screening. Because FIN-211 includes donor-derived components, the clinical hold and related manufacturing activities will also delay initiation of AUSPIRE. Finch is evaluating the extent of the expected delay to the timing for PRISM4 and AUSPIRE and, based on manufacturing timelines, expects at least a one quarter delay.

CP101 for Recurrent *C. difficile* Infection (CDI)



Recurrent CDI is an enormous human and economic burden

CP101 Complete Consortia
delivers full microbiome community



44K

Annual deaths
attributable to CDI
in the US



2.4M

Total inpatient days
associated with CDI
in the US



\$5B

Annual direct costs
of CDI in the US



\$27K

Saved per patient by
using microbiota
transplantation

CDC has declared *C. difficile* a top antibiotic resistance threat

CP101 is designed to deliver a complete microbiome in orally administered capsules

Lyophilization technology optimized to preserve entire community, enabling use across multiple indications

Efficient, scalable manufacturing enabled by molecular screening of donors

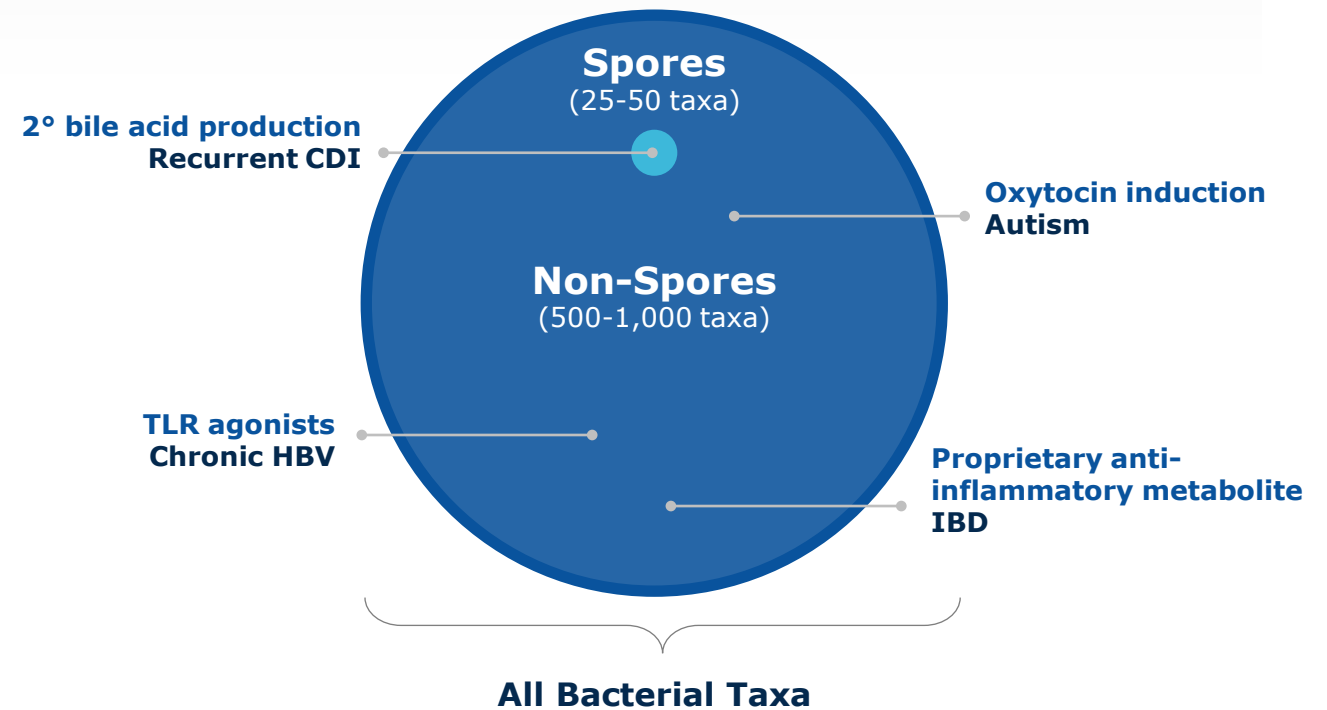
1. Healthy Donor Sourcing & Qualification

2. Harvest, Purification, & Preservation

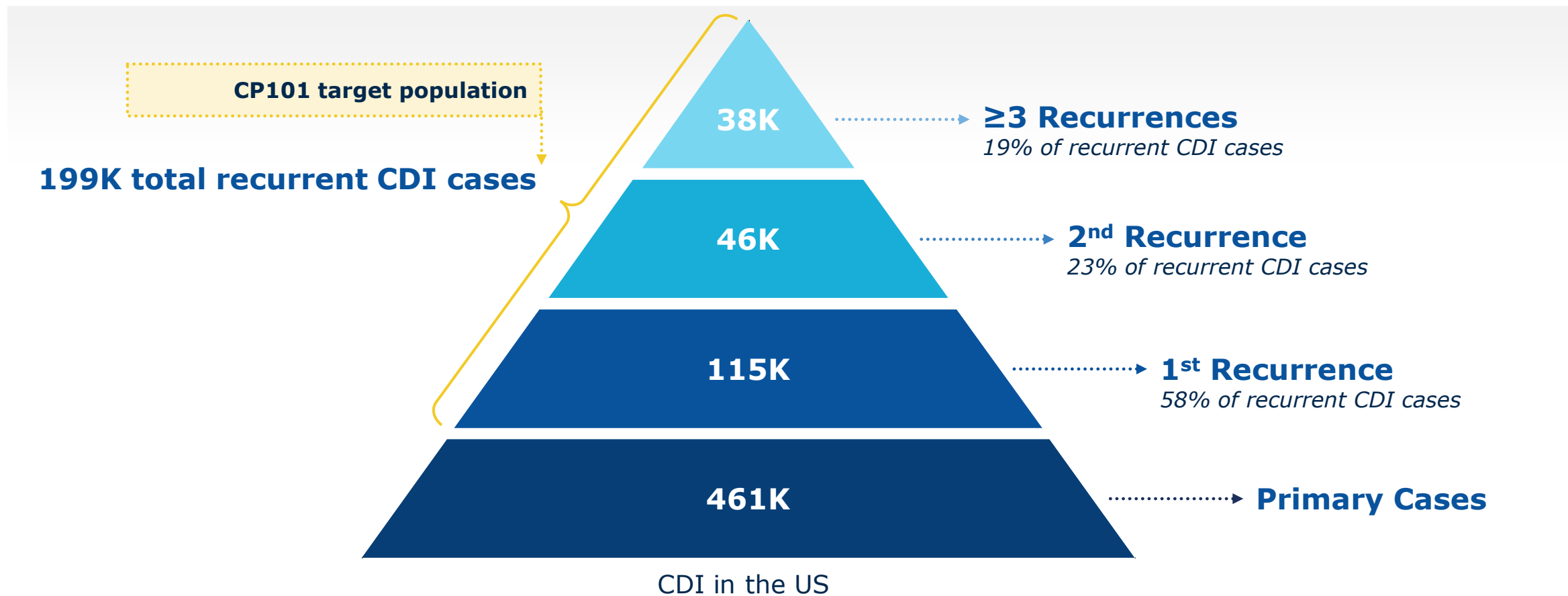
3. Lyophilization & Encapsulation



Complete consortia composition provides potential for broad pipeline expansion

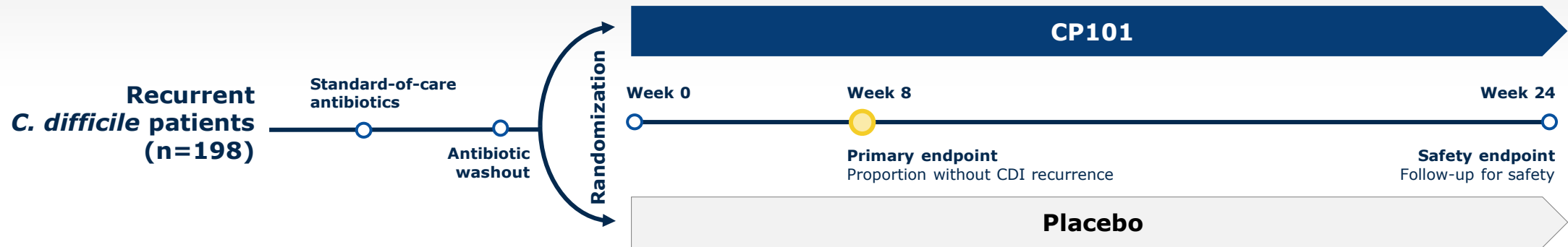


CP101 is positioned to serve a large population in recurrent CDI



CP101 uniquely positioned to enable early intervention in the management of CDI

PRISM3 Phase 2 trial designed to demonstrate superiority over SOC antibiotics plus placebo



PRISM3 enrolled a broad population including:



Participants experiencing their 1st CDI recurrence

Relevance: 58% of all recurrent CDI cases are 1st recurrence



Participants diagnosed with CDI via PCR testing

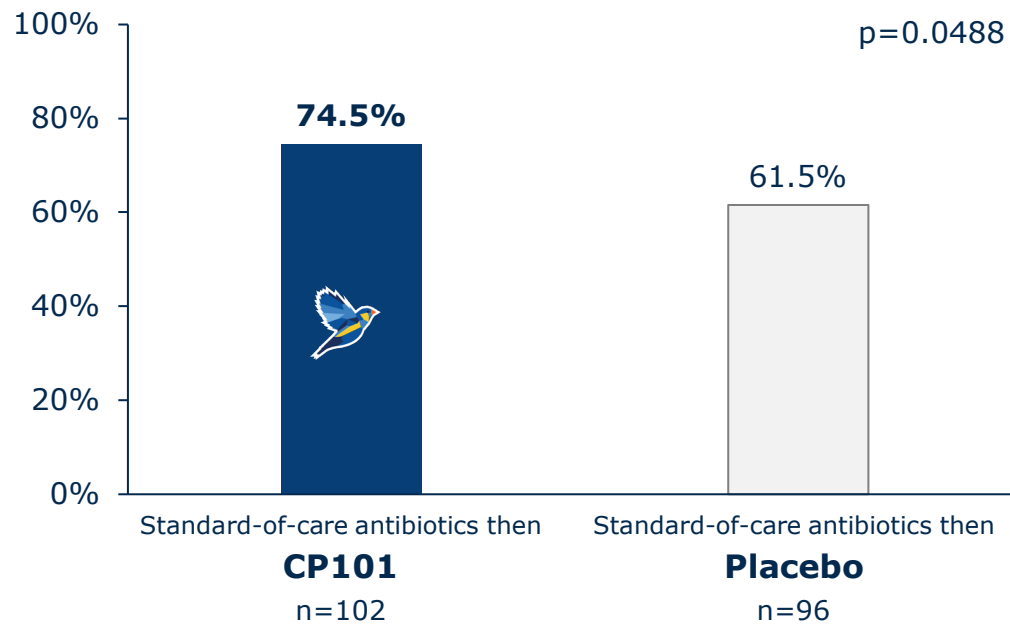
Relevance: >80% of all CDI cases are diagnosed via PCR

CP101 evaluated in a broad population to support labeling and market access

CP101 achieved its primary efficacy endpoint and had a safety profile similar to placebo in PRISM3

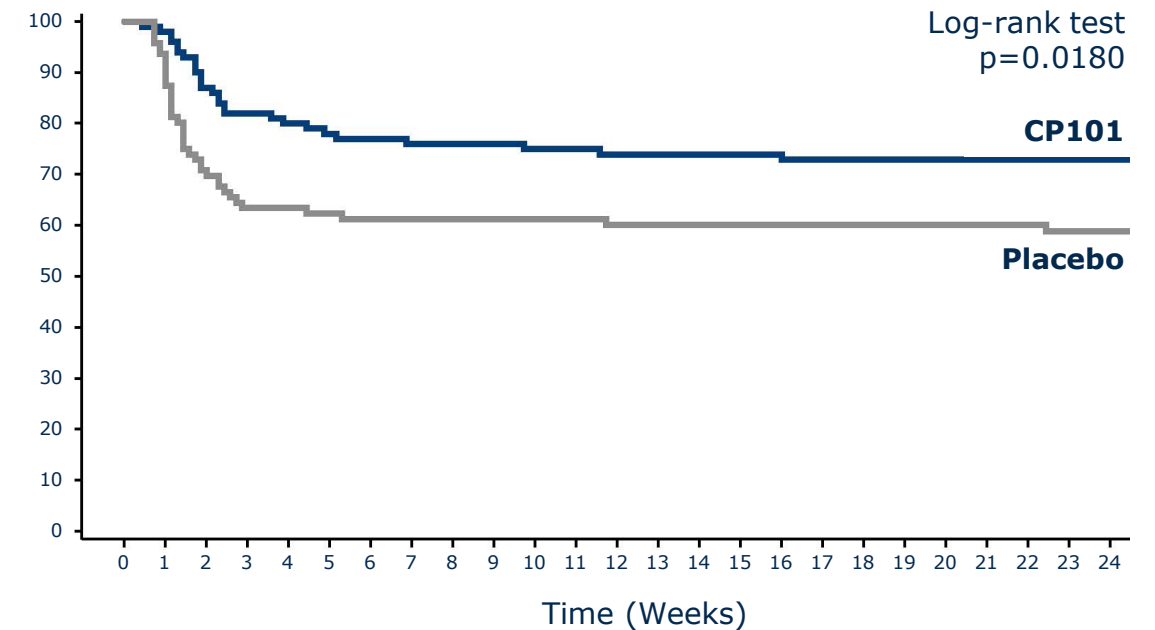
CP101 achieved 33.8% relative risk reduction for CDI recurrence through Week 8

Primary efficacy endpoint: Proportion without CDI recurrence through Week 8



Participants treated with CP101 had a lower risk of CDI recurrence through Week 24

Recurrence-free (%) through Week 24



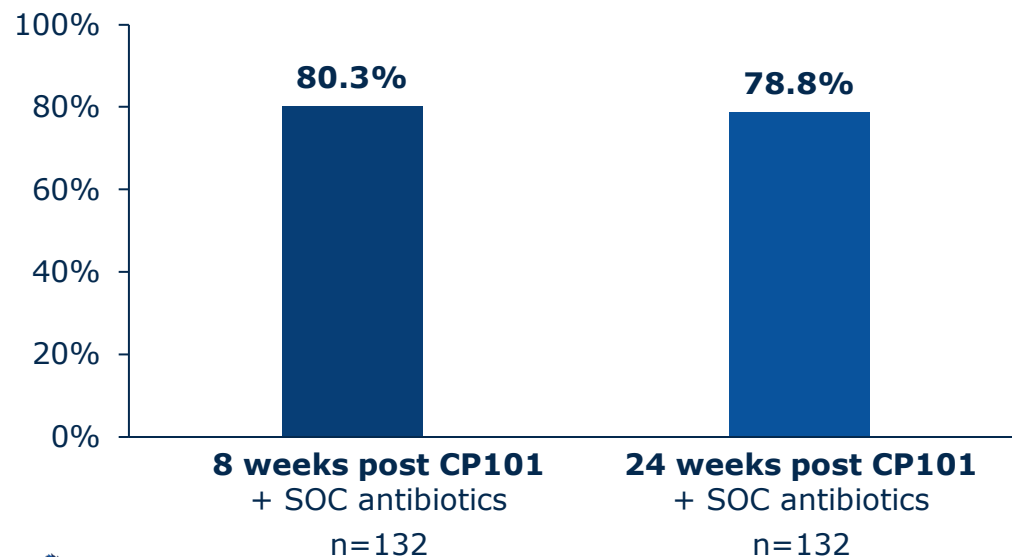
CP101 met its primary efficacy endpoint, with no treatment-related SAEs in the CP101 arm

Positive topline results from PRISM-EXT Phase 2 open-label trial of CP101 in recurrent CDI



Robust prevention of CDI recurrence in PRISM-EXT with no treatment-related SAEs through 24 weeks

Proportion without CDI recurrence

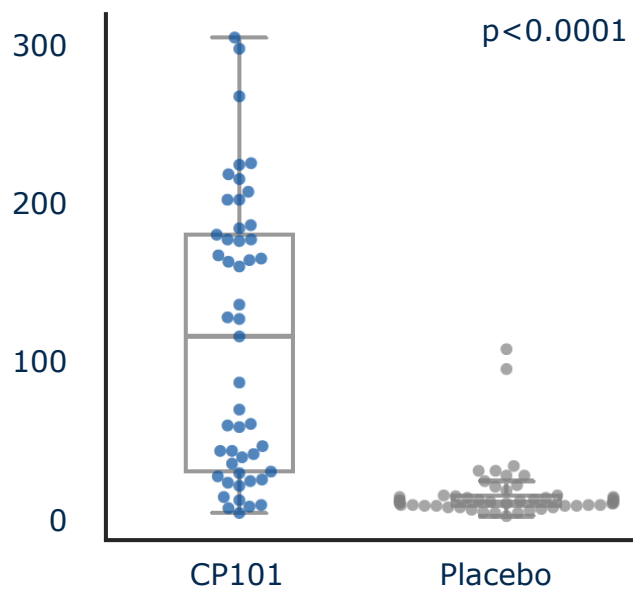


Aggregated 88.2% of participants without CDI recurrence through 8 weeks following last dose in a post-hoc analysis of participants that received up to two doses of CP101 in PRISM3 and PRISM-EXT*

Strong relationship between CP101 engraftment and clinical outcomes in PRISM3

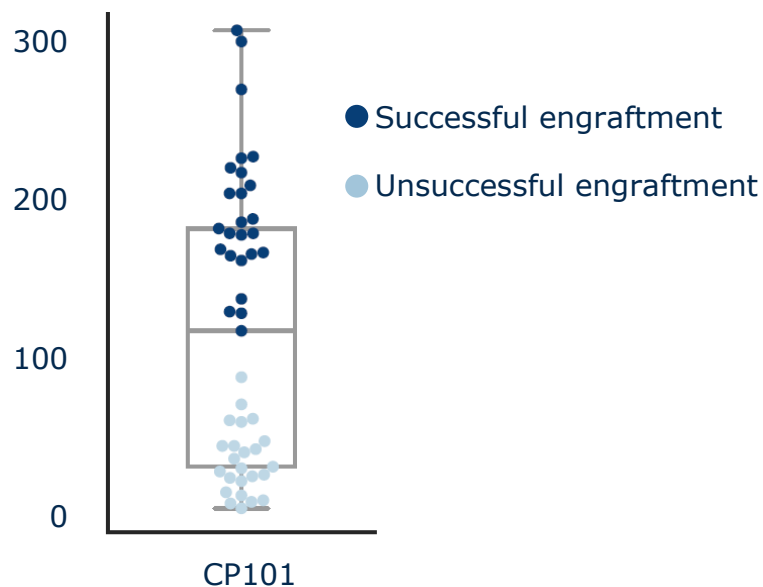
CP101 showed significant engraftment overall

Number of engrafted CP101-associated taxa at Week 1



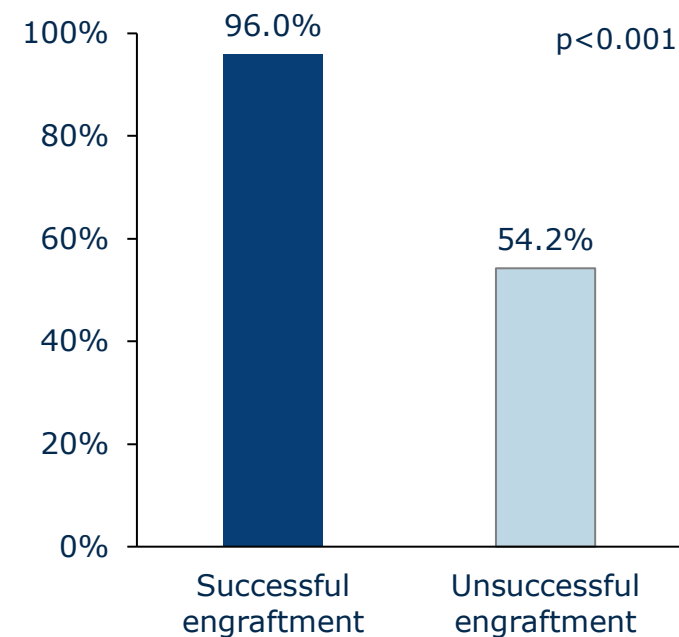
Engraftment showed bimodal distribution

Number of engrafted CP101-associated taxa at Week 1

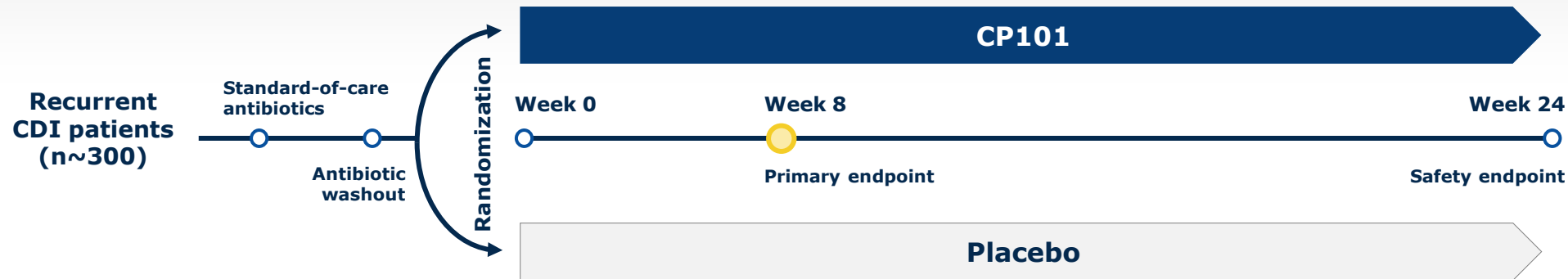


Engraftment correlated with prevention of CDI recurrence

Proportion without CDI recurrence through Week 8 by engraftment group



PRISM4 Phase 3 trial of CP101 in recurrent CDI is designed to serve as a second pivotal trial to support a potential BLA for CP101



Key Features

1. Extension of antibiotic washout period to enhance engraftment
2. Sample size increased to enhance power
3. Global study to support marketing authorizations outside the US

Enrollment in PRISM4 will remain paused until Finch is able to resolve the clinical hold on the IND for CP101 related to Finch's SARS-CoV-2 screening protocols, address recent FDA feedback and conduct additional manufacturing activities to satisfy requests related to SARS-CoV-2 screening. Finch is evaluating the extent of the expected delay to the timing for resuming enrollment in PRISM4 and, based on manufacturing timelines, expects at least a one quarter delay.

CP101 positioned to be market leader in recurrent CDI



Convenient, one-time oral administration



Achieved primary endpoint in PRISM3, positioning CP101 to potentially serve a significant patient population:

- All stages of recurrent CDI
- All test methods for CDI diagnosis



Fast Track and Breakthrough Therapy designations for prevention of recurrent CDI



Efficient, scalable manufacturing enabled by molecular rather than chemical pathogen exclusion



Complete consortia composition provides potential for label expansion

**TAK-524 & FIN-525 for
Inflammatory Bowel Disease (IBD)**



Finch & Takeda working together to develop new therapeutics for IBD



TAK-524 & FIN-525
Targeted Consortia



3.1M

Affected by IBD in
the US alone



70,000

Patients diagnosed
with IBD per year
in US



20%

With ulcerative colitis
require colectomy



\$31B+

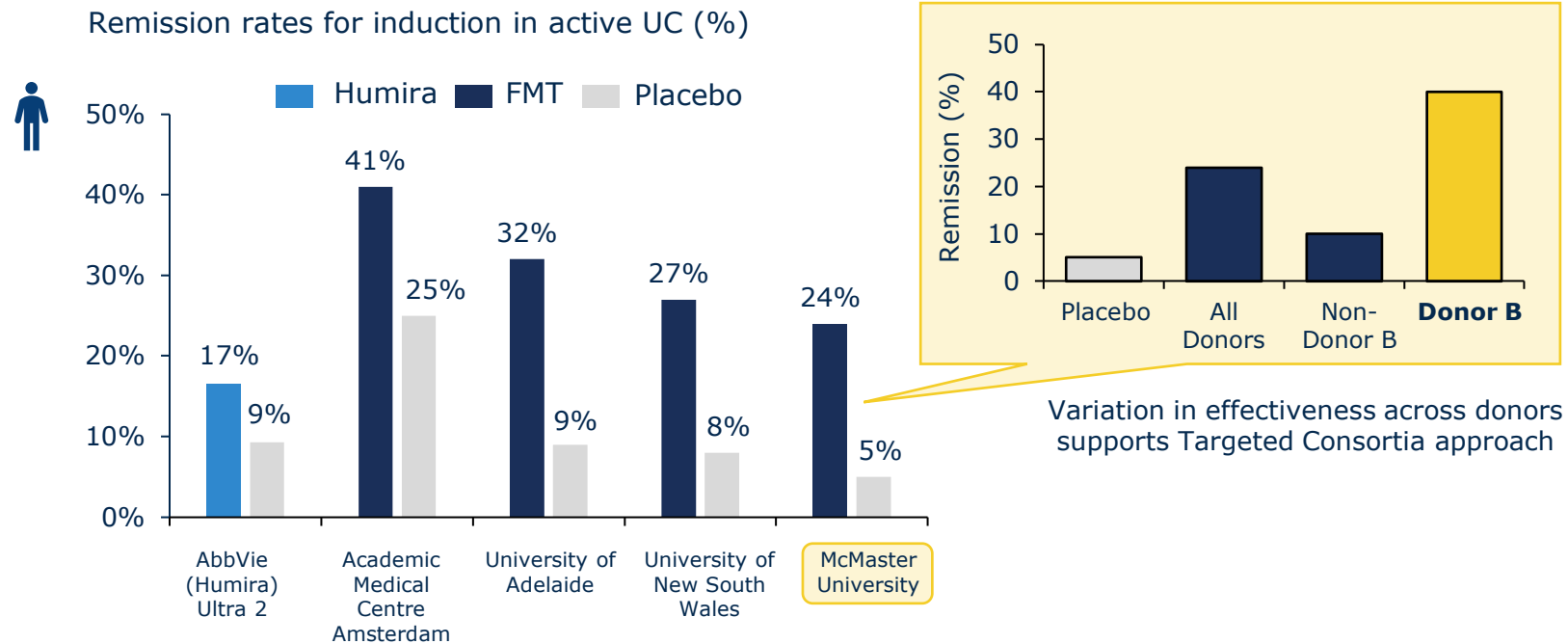
In attributable
costs per year
in US

Large unmet need for well-tolerated, effective therapeutics administered orally

Finch's machine learning platform enables identification and isolation of promising targets from clinical data

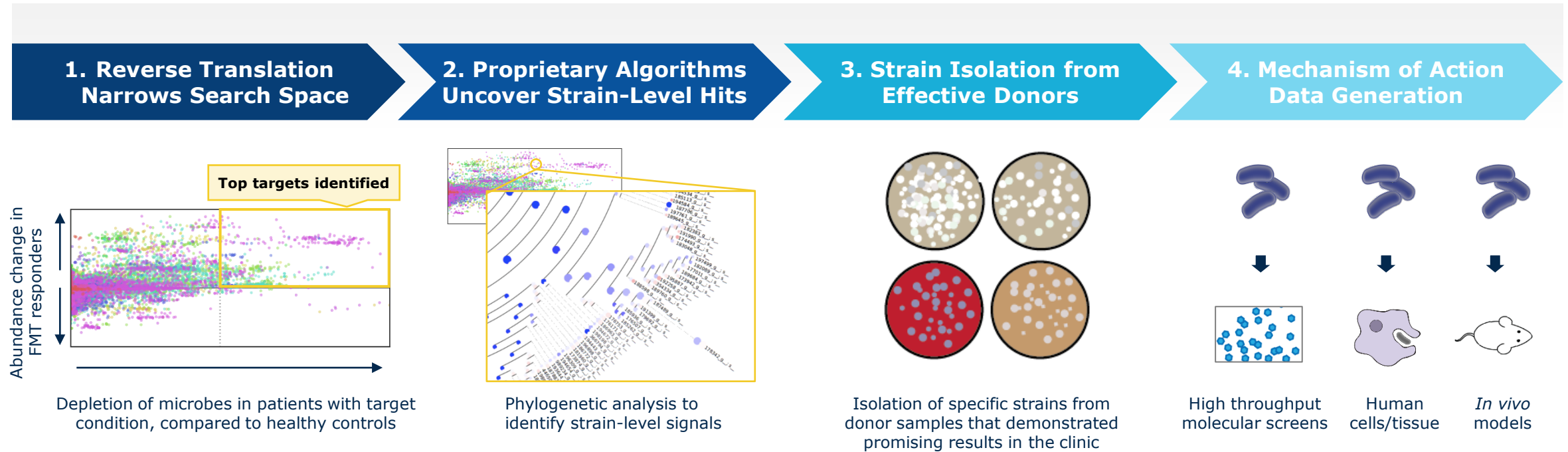
TAK-524 illustrates the power of Finch's platform for the development of Targeted Consortia

Four placebo-controlled FMT trials show compelling results compared to current standard of care



TAK-524 ulcerative colitis development program advanced to Takeda for clinical development

Finch's combination of proprietary data and machine learning capabilities enable differentiated Targeted Consortia

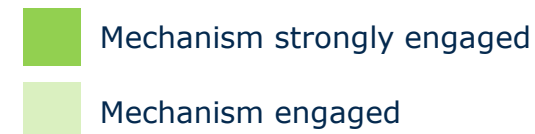


Finch's platform brings the power of AI to microbiome therapeutic development

TAK-524 is designed to engage multiple mechanisms that are important to ulcerative colitis

- TAK-524 contains 9 strains isolated directly from donors whose samples induced a response in clinical studies of FMT for UC
 - Consortia includes multiple phyla (spore and non-spore-forming organisms)
- TAK-524 is designed to include multiple strains targeting three key mechanisms and strategies:
 - 1: Production of immunoregulatory microbial metabolite class #1
 - 2: Empirical association with clinical efficacy in UC FMT studies
 - 3: Production of immunoregulatory microbial metabolite class #2

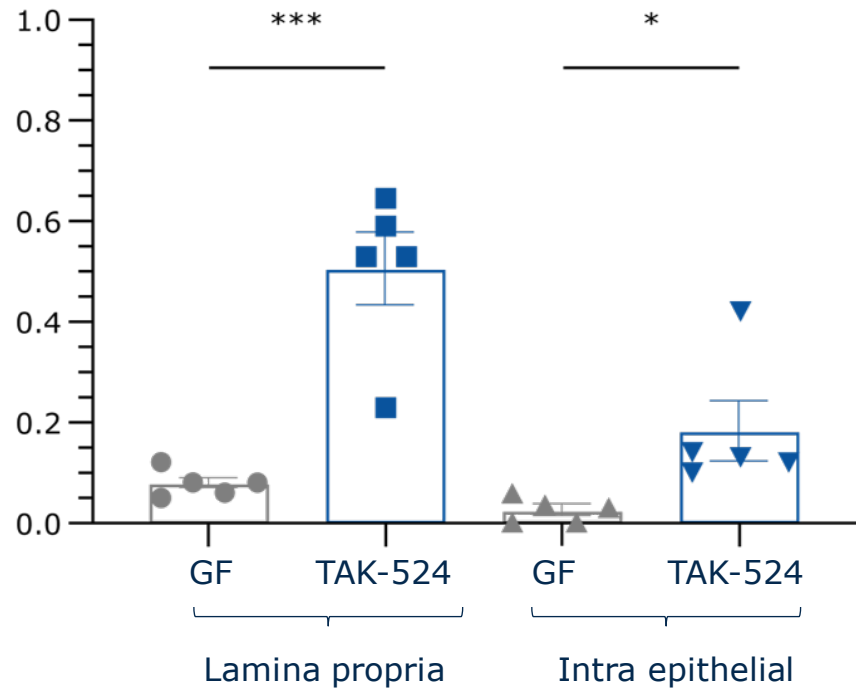
TAK-524 strains	Target mechanisms			Supported by human FMT engraftment data
	1	2	3	
Strain 1				✓
Strain 2				✓
Strain 3				✓
Strain 4				✓
Strain 5				✓
Strain 6				✓
Strain 7				✓
Strain 8				✓
Strain 9				✓



Administration of TAK-524 *in vivo* expands GI regulatory T-cells that are important for immune suppression

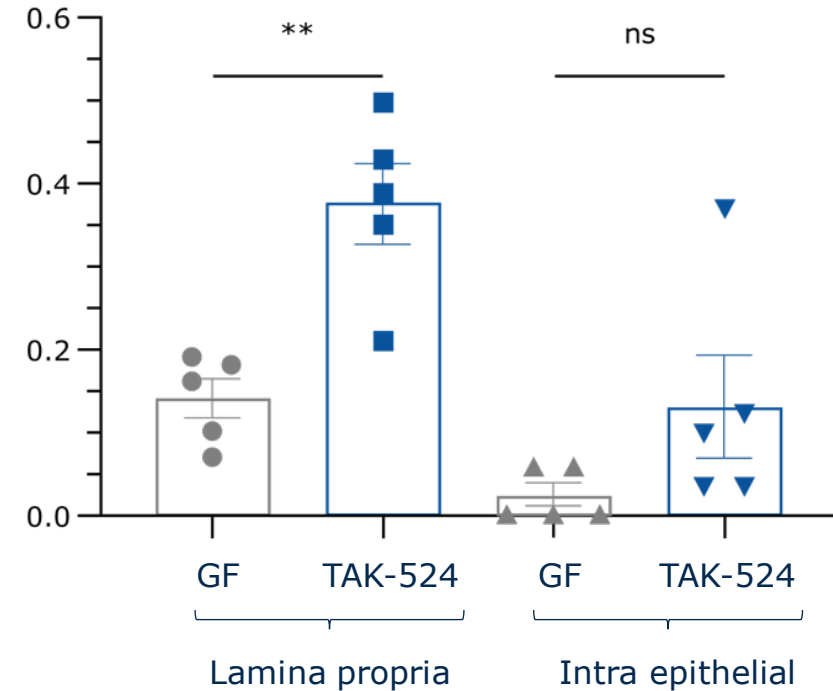
TAK-524 expands GI-resident Tregs

% of total lymphocytes



TAK-524 expands GI-induced Tregs

% of total lymphocytes



TAK-524 contains strains selected for their potential to provide targeted regulation of the immune system

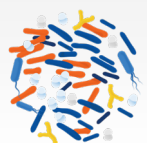
FIN-211 for Autism Spectrum Disorder (ASD)



ASD is a significant unmet need linked to the gut-brain axis

Finch plans to initially focus on the subset of the ASD population suffering from significant GI symptoms

Complete Consortia addresses community level dysbiosis



FIN-211
Enriched Consortia



Targeted Consortia ensure key mechanisms are consistently engaged



4.6M

Children and adults in the US with ASD



>30%

Report significant GI symptoms (diarrhea/constipation)



0

FDA-approved therapeutics for core symptoms of ASD



\$100B

Annual cost to care for individuals with ASD in the US

Autism is a large unmet need with no FDA-approved therapeutics for core symptoms

Multiple lines of evidence point to a potential role of the microbiome in ASD

1. Epidemiology

- Early life events that impact the microbiome are associated with increased risk of ASD
 - Cesarean section: 33% higher ASD risk
 - Reduced breast feeding: 93% - 107% higher ASD risk
 - Antibiotics: 144% - 264% higher ASD risk

2. Mechanistic insights

Oxytocin:

- Findings of depleted levels of oxytocin in those with ASD
- Key, non-spore microbes induce oxytocin production

Gut barrier:


- Impaired gut barrier integrity and translocation of behavior-influencing metabolites (e.g. 4-EPS)
- Microbiome enhances gut barrier integrity

Neuroinflammation:

- Higher activation of microglia in those with ASD, which may impact neurological function and development

3. PoC FMT clinical studies

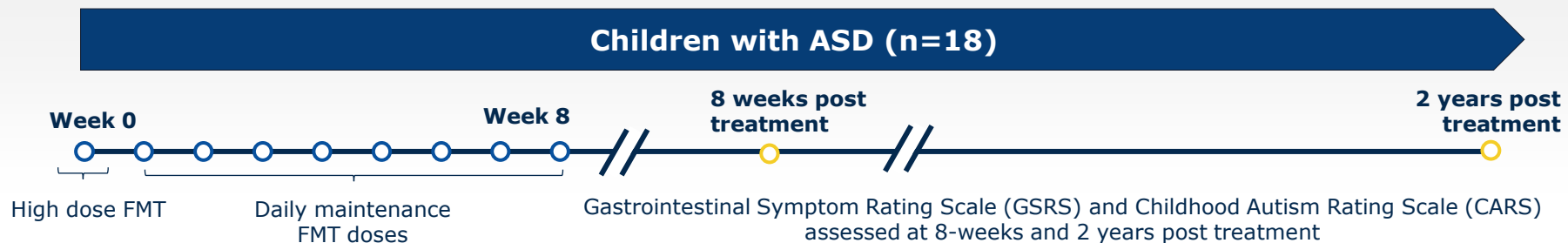
- Multiple FMT studies show improvements in both GI and behavioral endpoints



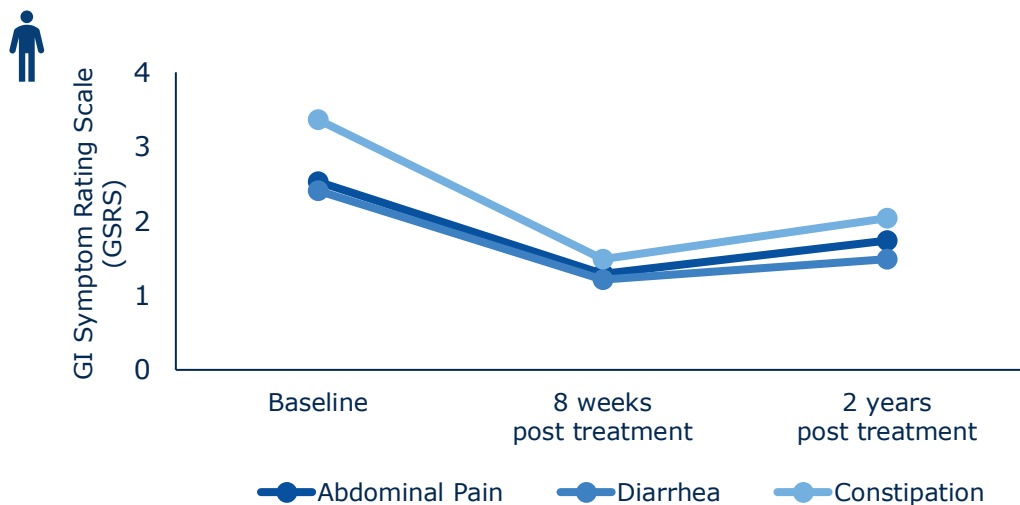
Study	Number of participants	GI improvement	Behavioral improvement
Ward (2016)	9	N/A	✓
Kang (2017)	18	✓	✓
Zhao (2019)	24	✓	✓
Li (2019)	85	✓	✓
Huanlong (unpublished)	31	✓	✓
Li (2021)	40	✓	✓
Total	207		

Recent Cell paper highlights the limitations of cross-sectional data and the value of interventional FMT evidence

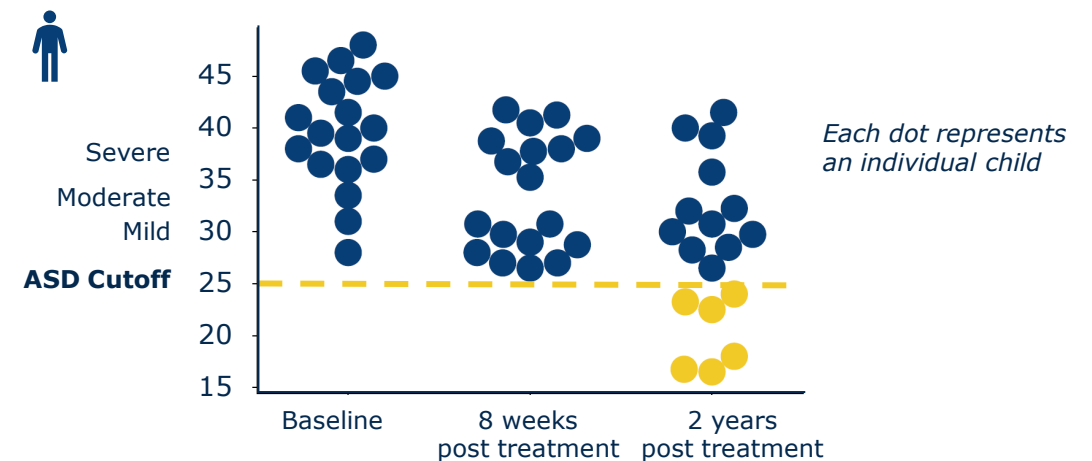
Open label data shows improvements in both GI and behavioral symptoms following microbiota transplantation



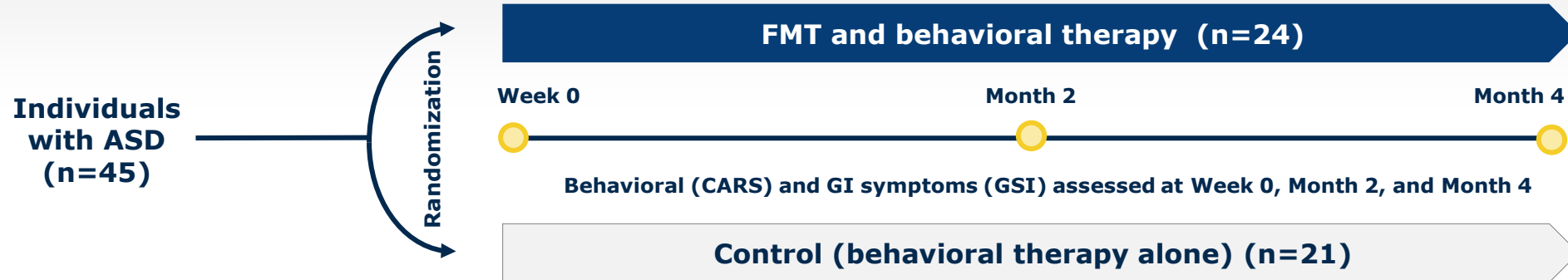
58% reduction in GI symptoms at 2 years post treatment compared to baseline



33% of children below the cutoff for ASD diagnosis at 2 years post treatment



Randomized, independent clinical study showed improvement in both GI and behavioral symptoms following microbiota transplantation



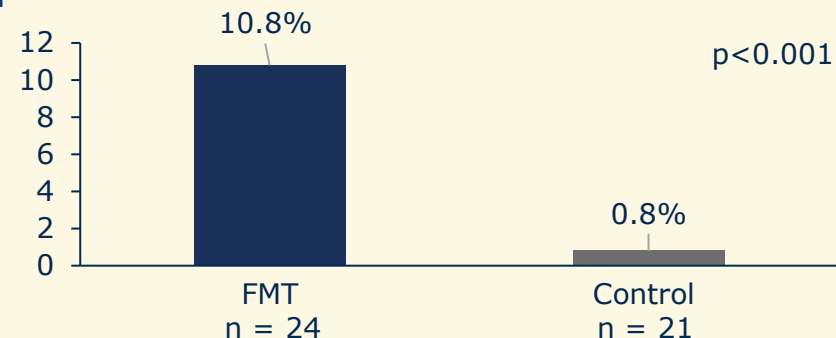
Results at 2 months post FMT

- GI severity index (GSI) significantly improved
- Behavioral (CARS) scores significantly improved
- Microbiome shifted towards a healthy composition

Behavioral scores significantly improved at 2 months post FMT

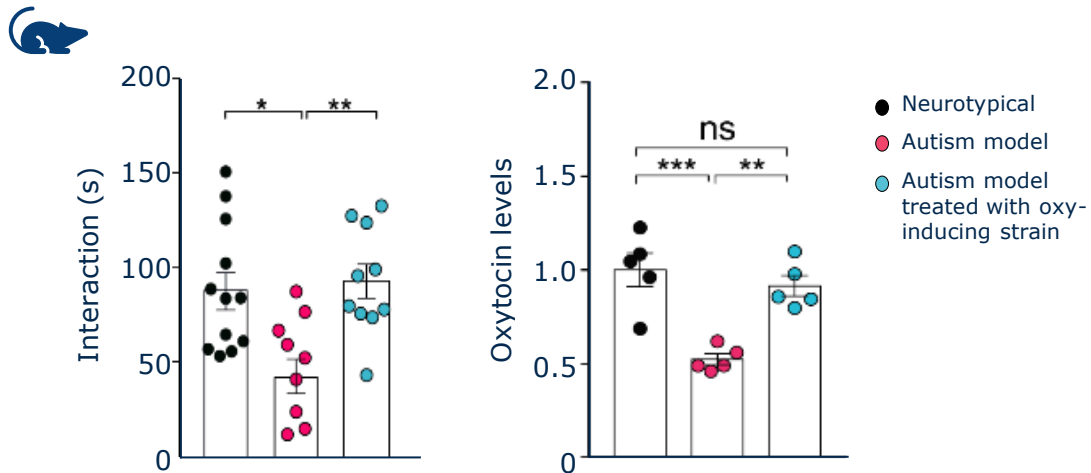


CARS score improvements at Month 2 (%)

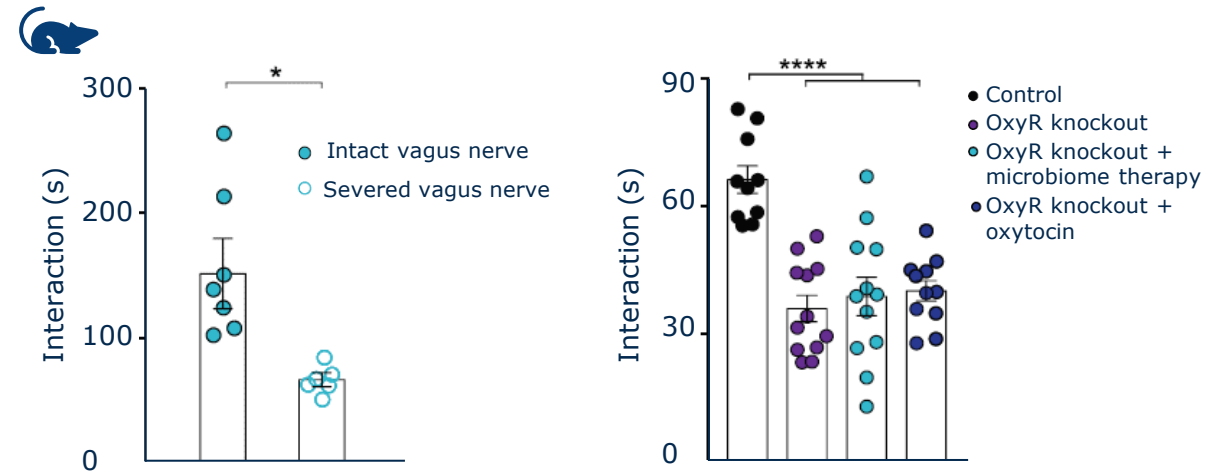


Preclinical data show oxytocin-dependent behavioral improvements with microbiome therapy

Microbiome therapy restores neurotypical behavior and oxytocin production



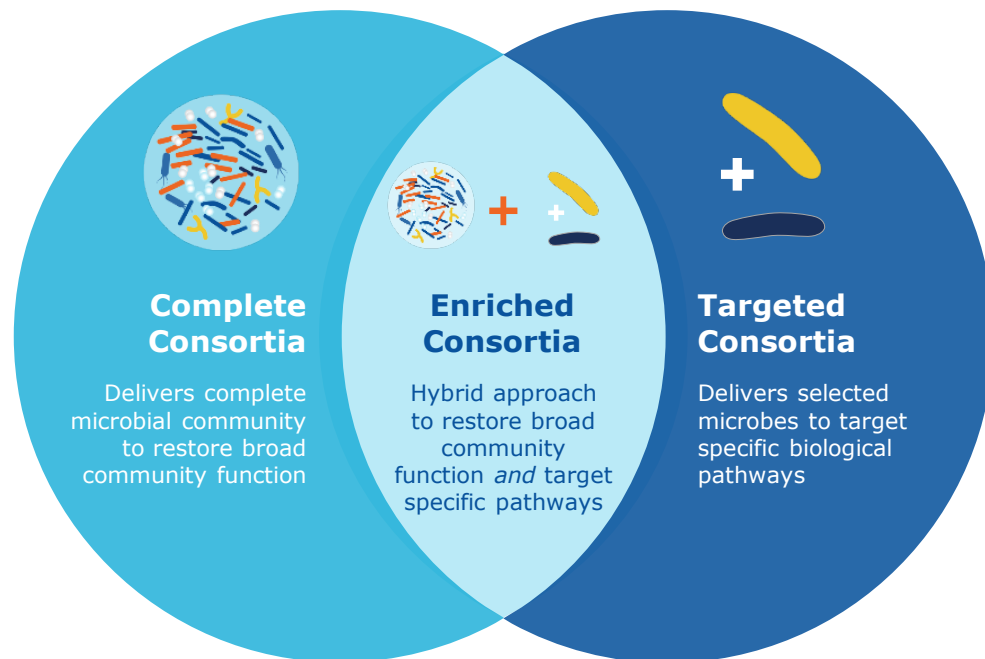
Therapeutic benefit is eliminated when vagus nerve is severed or oxytocin receptor knocked out



FIN-211 is designed to address both the gastrointestinal (GI) and behavioral symptoms of ASD

Enriched Consortia product strategy

Designed to address both community-level and species-level dysbiosis in an oral formulation

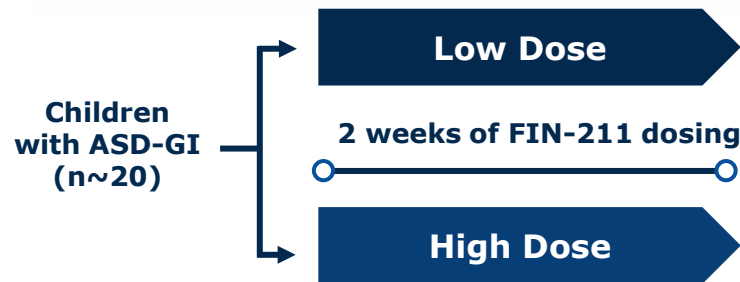


Pre-IND FDA feedback yielded two key insights:

1. FIN-211 may proceed directly to children with ASD
2. Demonstrating benefit for *either* GI or behavioral symptoms could support a BLA

Phase 1b AUSPIRE trial will evaluate multiple dosing regimens of FIN-211 in children with ASD and GI symptoms

AUSPIRE Part A: Dose Escalation



AUSPIRE Part B: Expansion Cohort











Ph1b Endpoints

Primary endpoints	Safety & tolerability
Secondary endpoints	Pharmacokinetics (engraftment)
Exploratory endpoints	Behavioral endpoints, including CARS scores GI endpoints, including spontaneous bowel movements

The AUSPIRE trial of FIN-211, a product candidate that includes donor-derived components, will be delayed in connection with the clinical hold on the IND for CP101 related to Finch's SARS-CoV-2 screening protocols. Finch is evaluating the extent of the delay the clinical hold and related manufacturing activities will have on the expected timing of AUSPIRE and, based on manufacturing timelines, expects at least a one-quarter delay.

Finch is advancing a diverse portfolio designed to establish entry points into new therapeutic areas

	Candidate	Indication	Consortia Type	Preclinical	Phase 1	Phase 2	Phase 3	Program Rights
GI/Immuno	CP101	Recurrent <i>C. difficile</i>	Complete					
	TAK-524 (formerly FIN-524)	Ulcerative Colitis	Targeted					
	FIN-525	Crohn's Disease	Targeted					
Neuro	FIN-211	Autism Spectrum Disorder	Enriched					

Anticipated cash runway into mid-2023*



**Harnessing the microbiome
to transform patients' lives**

