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NASDAQ:ACHV

Corporate Presentation
December 2019

Forward Looking Statements



This presentation contains forward-looking statements, including, but not limited to, statements regarding the timing of planned clinical development activities of cytisinicline; the projected path toward potential regulatory approval; the safety, efficacy and commercial potential of cytisinicline; the potential market for cytisinicline; the benefits of cytisinicline relative to competitors; the anticipated benefits of cytisinicline; plans, objectives, expectations and intentions with respect to future operations. All statements other than statements of historical fact are statements that could be deemed forward-looking statements. Achieve Life Sciences, Inc. ("we," "us," "our," or "the Company") may not actually achieve its plans or product development goals in a timely manner, if at all, or otherwise carry out the intentions or meet the expectations or projections disclosed in these forward-looking statements. These statements are based on management's current expectations and beliefs and are subject to a number of risks, uncertainties and assumptions that could cause actual results to differ materially from those described in the forward-looking statements, including, among others, general business and economic conditions; the need for and ability to obtain additional financing; the risk that cytisinicline may not demonstrate the hypothesized or expected benefits; the risk that cytisinicline will not receive regulatory approval or be successfully commercialized; the risk that new developments in the smoking cessation landscape require changes in business strategy or clinical development plans; the risk that the Company's intellectual property may not be adequately protected; other risks associated with the process of developing, obtaining regulatory approval for and commercializing drug candidates that are safe and effective for use as human therapeutics; and the other factors described in the risk factors set forth in the Company's filings with the Securities and Exchange Commission from time to time, including its Annual Reports on Form 10-K and Quarterly Reports on Form 10-Q. The Company undertakes no obligation to update the forward-looking statements contained herein or to reflect events or circumstances occurring after the date hereof, other than as may be required by applicable law.

Free Writing Prospectus



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This presentation includes industry and market data that we obtained from industry publications and journals, third-party studies and surveys, internal company studies and surveys, and other publicly available information. Industry publications and surveys generally state that the information contained therein has been obtained from sources believed to be reliable. Although we believe the industry and market data to be reliable as of the date of this presentation, this information could prove to be inaccurate. Industry and market data could be wrong because of the method by which sources obtained their data and because information cannot always be verified with complete certainty due to the limits on the availability and reliability of raw data, the voluntary nature of the data gathering process and other limitations and uncertainties. In addition, we do not know all of the assumptions that were used in preparing the forecasts from the sources relied upon or cited herein.

We have filed a Registration Statement on Form S-1 with the SEC, including a preliminary prospectus dated December 2, 2019 (the "Preliminary Prospectus") with respect to the offering of our securities to which this communication relates. Before you invest, you should read the Preliminary Prospectus (including the risk factors described therein) and, when available, the final prospectus relating to the offering, and the other documents filed with the SEC and incorporated by reference into the Preliminary Prospectus, for more complete information about us and the offering. You may obtain these documents, including the Preliminary Prospectus, for free by visiting EDGAR on the SEC website at <http://sec.gov>.

Alternatively, we or any underwriter participating in the offering will arrange to send you the prospectus if you request it by contacting Ladenburg Thalmann & Co. Inc., 277 Park Avenue, 26th Floor, New York, NY 10172 or by email at prospectus@ladenburg.com.



Corporate Overview

Cytisinicline: A Potential New Treatment for Millions of Smokers



Achieve acquired the global rights* to cytisinicline from Sopharma AD

**Exclusively focused on the development and commercialization of cytisinicline
for smoking cessation & nicotine addiction**

Robust Historical Data

- More than 10,000 participants in cytisinicline clinical trials to date
- Completed 2 investigator-led Phase 3 clinical trials in over 2,000 patients
- Over 20 years of in-market experience in over 20 million patients under brand name TABEX®
- Over 15 million cases in European safety database



* Excluding certain countries in Central and Eastern Europe, Scandinavia, North Africa, the Middle East and Central Asia, as well as Vietnam

Strong Execution

- NIH partnership to complete IND enabling studies
- Completed Phase 1/2 repeat-dose PK/PD study
- Phase 2b ORCA-1 trial completed in Q2 2019 showing statistically significant quit rates (N=254)
- Phase 3 trial designs and NDA plans already reviewed with FDA



National Institutes
of Health

Cytisinicline – Strong Value Proposition



Well-differentiated Product Profile

- Single & short course of treatment
- Dual-acting, highly selective MOA – improved tolerability
- Naturally-derived treatment

Solid Foundation of Clinical Evidence

- Favorable safety & efficacy from 2 prior Phase 3 trials in >2,000 patients
- More than 20M patients treated to date
- ORCA-1 study reinforces historical efficacy and safety data

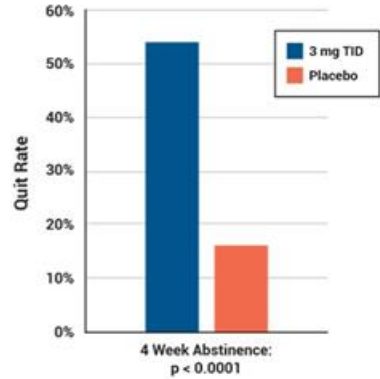
Significant Market & Growth Potential

- 1.1B smokers worldwide¹ – more than 34M in U.S.²
- Smoking cessation market ~ \$13B and growing³
- Most prescribed Rx (CHANTIX® - varenicline) sales of ~\$1.1B in 2018⁴
- New treatment options required – nothing new in > 10 years

Addresses Global Public Health Epidemic

- Smoking and tobacco use is the leading cause of preventable death, responsible for ~7M lives lost annually worldwide¹
- Nearly 30% of all cancer deaths in the U.S. are attributable to cigarette smoking⁵

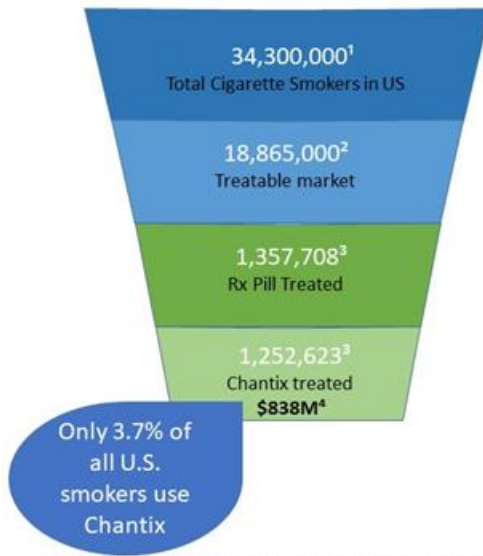
Quit Rates for 3 mg TID vs Placebo



1. World Health Organization (WHO), WHO Report on the Global Tobacco Epidemic, 2017
 2. Centers for Disease Control and Prevention (CDC), Tobacco Product Use Among Adults – United States, 2017
 3. Cohort Market Insights, in its March 2017 report "Smoking Cessation and Nicotine De-addiction Products Market"
 4. PFE Q4 & 2017 YE Results
 5. American Cancer Society November 2015

*Registered trademark of Pfizer Inc.

Significant Opportunity to Expand Smoking Cessation Treatment Utilization with Cytisinicline

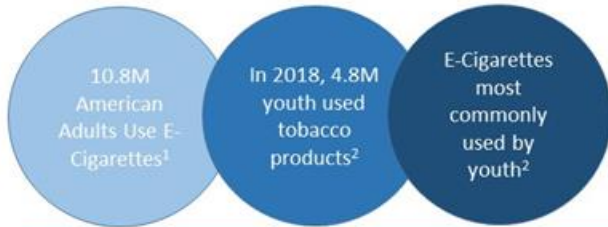


Why so low market penetration of current treatment options?

- **Favorable reimbursement for all smoking cessation medications**
 - ACA mandates coverage for smoking cessation medications including multiple quit attempts and counseling services⁵
 - Most patients (~80%) pay \$0 for their Chantix or bupropion prescription³
- **#1 reason smokers report not using Chantix or Zyban are concerns about side effects⁶**
 - 76% of Chantix patients do not complete 3 month course of treatment³
 - 61% of patients surveyed who do not complete full prescription of Zyban or Chantix stated they stopped due to side effects⁶
- **69% of Rx patients indicated they would try a new prescription smoking cessation treatment⁶**

1. Centers for Disease Control and Prevention, *Current Cigarette Smoking Among Adults—United States, 2012*, Morbidity and Mortality Weekly Report 2013;67(44):1225-32 [accessed 2019 Jan 30].
2. Centers for Disease Control and Prevention, *Quitting Smoking Among Adults—United States, 2005-2015*, Morbidity and Mortality Weekly Reports January 6, 2017 / Vol. 65 / No. 52
3. IQVIA Prescription Claims Database, 072015-062019; 4. U.S. Chantix Revenue per PFE 2018 annual report; 5. ACA CMS Website; 6. IQVIA Patient Survey, 2019

Vaping epidemic leading to new population of nicotine addicts



As of Nov. 2019, over 2,000 cases of vaping related lung injury have been reported and 47 deaths confirmed in the U.S.³

38% increase in tobacco use amongst high school students in 2018⁵

Teens who use e-cigarettes are 4x more likely to begin smoking tobacco cigarettes⁵

Cytisinicline well-poised to address e-cigarette/vaping epidemic

- Achieve plans to evaluate consumer sentiment and investigate cytisinicline efficacy and safety in e-cigarette users in 2020
 - Facilitate research to better understand vaping addiction; including demographics, behaviors, health-impact, and perceptions on quitting
 - Conduct open label vaping cessation study in up to 100 subjects

1. Am J Pharm Med. 2018;149(7):429-438
2. Centers for Disease Control and Prevention (CDC). Visual Signs: Tobacco Product Use Among Middle and High School Students - United States, 2011-2018
3. CDC. Status Update: Number of Cases of Lung Injury Associated with Use of E-Cigarettes, or Vaping, Products, Nov 20, 2019
4. Association of Electronic Cigarette Use with Initiation of Combustible Tobacco Products Smoking in Early Adolescence. Aug 18, 2015
5. FDA.gov

FDA Failed Crackdown on Nicotine



- In July 2017, the FDA announced plans to cut the level of nicotine allowed in cigarettes¹
- In November 2019, the FDA abandoned the plan to slash cigarette nicotine levels
- More people in the U.S. are addicted to nicotine than to any other drug²

There are approximately 50 million people in the U.S. who are addicted to some type of tobacco product²



1. FDA.gov <https://www.fda.gov/tobacco-products/health-education-prevention/protecting-consumers-against-nicotine-addiction-public-health>
2. American Society of Addiction Medicine. [Public Policy Insights on Nicotine Addiction and Tobacco Control](https://www.asam.org/our-work/advocacy/public-policy/insights-on-nicotine-addiction-and-tobacco-control). Chevy Chase (MD): American Society of Addiction Medicine, 2008 [accessed 2017 Jan 24].
3. "Understanding Nicotine", www.addictioncenter.com/nicotine

Cytisinicline Planned Development Program & Milestones



Activity	Anticipated Timing
ORCA-1 Phase 2b Top Line Data Results	Q2 2019 ✓
MTD Study Top Line Results	Q3 2019 ✓
Type C FDA Meeting	Q4 2019 ✓
ORCA-1 Additional Phase 2b Results Presented	Q1 2020
ORCA-2 Phase 3 Trial Initiation	1H 2020
RAUORA Study Results: Cytisinicline vs Chantix (Investigator Led)	1H 2020
ORCA-2 Study Enrollment Completed	Mid 2020
ORCA-2 Study Last Patient Last Visit	2H 2020
ORCA-2 Phase 3 Top Line Data Results	1H 2021

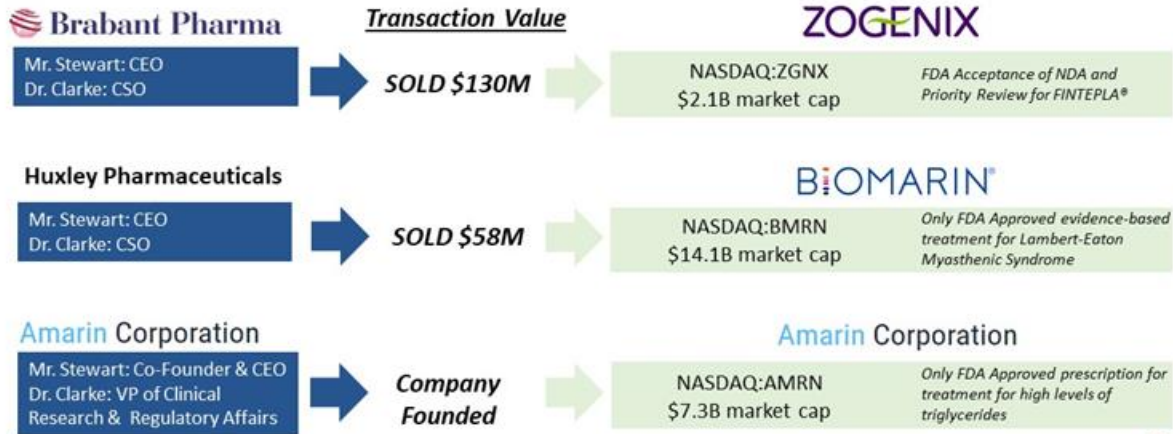
ORCA Ongoing Research of Cytisinicline for Addiction



Proven Leadership Team



Achieve founders Richard Stewart, Chairman & CEO, and Anthony Clarke, President, CSO and Director, have a proven track record of value creation for shareholders.





The Cytisinicline Difference

Dual-Acting, Highly-Targeted MOA
Single & Short Treatment
Very Well-Tolerated

Activity 1: Partial Agonist

Cytisinicline binds to the receptor partially stimulating dopamine release

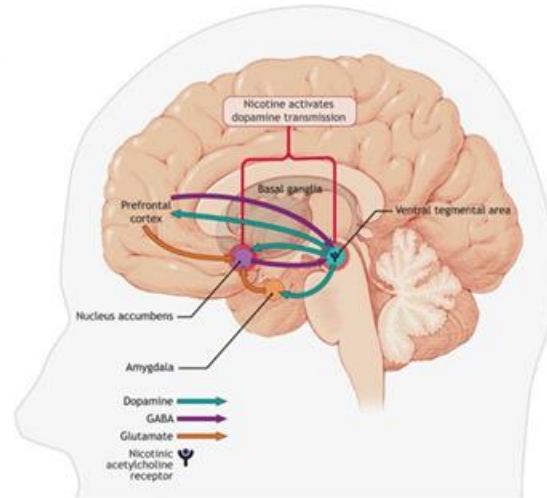
- Reduces nicotine cravings
- Reduces the severity of withdrawal symptoms

Activity 2: Partial Antagonist

Cytisinicline binding to the receptor prevents the binding of nicotine

- Removes the “nicotine-induced” reward and satisfaction associated with smoking

Activation of the central nervous mesolimbic dopamine system is believed to be the neuronal mechanism underlying reinforcement and reward experienced by smoking



Cytisinicline vs. Chantix® MOA



	Cytisinicline ¹	Varenicline (Chantix®) ²
Selective Receptor Targeting*	More selective	Less selective
	$\alpha_4\beta_2$	$\alpha_4\beta_2$
		α_7
		5-HT ₃

- Cytisinicline has high affinity & selective binding to $\alpha_4\beta_2$ receptors in brain
- Varenicline's activity at "off-target" receptors could be responsible for its adverse event profile
- Majority of varenicline patients do not fill second and third month scripts³

*Coe J et al. *J. Med. Chem.* 2005, 48:3474-3477; Paske RL et al. *JPET*. 2011, 337:367-379; Slater YE et al. *Neuropharm.* 2003, 44:503-512; Lumma SCR et al. *JPET*. 2011, 339:125-131.
 1. Data on file, Achieve Life Sciences based on meta-analysis of 5 cytosinicline GCP trials, including ORCA-1
 2. Cahill R et al. *Cochrane Database of Systematic Reviews*. 2016, Issue 3
 3. IQWiA Prescription Claims Database, 072018-062018

Cytisinicline

- Pooled RR based on 2 published studies
- N=937
- RR (CI_{95%}) longest follow-up 3.98 (2.01-7.87)

VS

Varenicline

- Pooled RR based on 27 published studies
- N=12,625
- RR (CI_{95%}) longest follow-up 2.24 (2.06-2.43)

Relative "Risk" (RR) defined as the likelihood of quitting smoking and remaining abstinent at longest follow-up. Higher RR numerical value equates to greater benefit.

Cochrane Group independent meta analysis of nicotine receptor partial agonists*

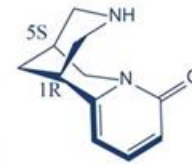
- Relative risk versus placebo for both cytisinicline and varenicline were in the same order of magnitude
 - A head-to-head between cytisinicline and varenicline has not been performed
- Cytisinicline treatment for 25 days vs. varenicline for 12 or more weeks
- Cytisinicline trials were conducted with minimal behavioral support, varenicline trials generally with more extensive behavioral support
- Data from repeat dose ORCA-1 study reinforces efficacy of cytisinicline
 - RR of 3.8 for 3.0 mg TID cohort

*Cahill K et al; Cochrane Database of Systematic Reviews 2016, Issue 5

Cytisinicline vs. Chantix® Adverse Event Profile



	Cytisinicline ¹	Varenicline (Chantix®) ²
Treatment Time	25 days	12 weeks
2018 U.S. Sales	-	\$838 million ³
Adverse Events (95% CI)		
Nausea/Vomiting	4.4%	27.8%
Sleep Disorder/Abnormal Dreams	3.3%	12.5%
Insomnia	1.3%	14.2%
Headache	2.0%	12.7%



(-)-Cytisinicline

- Shorter course of treatment
- Lower rate of side effects

1. Data on file: Achieve Life Sciences based on meta-analysis of 5 cytisinicline GCP trials, including ORCA-1.
 2. Cahill R et al. Cochrane Database of Systematic Reviews 2016, Issue 5.
 3. PFE 2018 annual report

- The RAUORA Study is a single investigator led study in New Zealand comparing Tabex (contains cytisine) and Champix®
 - 2,140 patient randomized study
 - Primary outcome is CO verified continuous abstinence at 6 months post-quit date
 - 12 week treatment period
- RAUORA is funded by the Health Research Council of New Zealand
- Results are expected Q1-2020





Cytisinicline Clinical Development

Two, investigator-led Phase 3 clinical trials conducted in more than 2,000 patients published in *NEJM**

- Phase 3 TASC* trial – cytisinicline versus placebo (n=740)
- Phase 3 CASCAID** trial – cytisinicline versus NRT (n=1,310)
- In both trials, cytisinicline demonstrated superior quit rates vs. comparator (**p-value=0.001**)

Successful completion of Phase 1 and Phase 2 studies

- Fed-fasted study (n=26)
- Repeat dose PK/PD study (n=26)
- ORCA-1 Dose Selection study (n=254)
 - * Cytisinicline demonstrated superior quit rates vs. placebo (**p-value<0.005**)

Path to NDA already reviewed with FDA

- Type B meeting held with FDA in May 2018
- Efficacy endpoints and pivotal trial designs reviewed by the FDA
- Type C meeting held with FDA in Nov. 2019



*West et al; *N Engl J Med*; 365:13 Sept 29, 2011
** Walker et al; *N Engl J Med*; 371:25 Dec 18, 2014
*TABEX – Registered trademark of Sopharma AD

Investigator-Led Phase 3 Trials of Cytisinicline



	Design	Comparator	Key Endpoints	Results
TASC	<p>N=740</p> <p>Aged 18 or over; randomized 1:1</p> <p>Double-blind, placebo-controlled</p> <p>Minimal behavioral support</p>	<p>Placebo</p> <p>25-day cytisinicline dosing regimen or matched placebo</p>	<p>6 & 12-month quit rates biochemically confirmed</p>	<p>Cytisinicline 3.4 times more likely to result in smoking cessation after 12 months (p=0.001)</p> <p>No overall difference in the rate of side effects in the two trial arms</p>
CASCAID	<p>N=1,310</p> <p>Aged 18 or over; randomized 1:1</p> <p>Open-label, active-controlled, non-inferiority</p> <p>Moderate behavioral support</p>	<p>NRT</p> <p>25-day cytisinicline dosing regimen or 8-week NRT (patch &/or gum or lozenge)</p>	<p>1, 2 & 6-month quit rates</p>	<p>Cytisinicline 1.43 times more likely than NRT to result in smoking cessation after 6 months (p=0.002)</p> <p>6-month quit rate equivalent to the 24-week quit rates in the varenicline EAGLES trial (n=8,144) published in The Lancet in June 2016</p> <p>Cytisinicline generally well tolerated, although self-reported adverse events were higher in the cytisinicline arm compared with the NRT arm</p> <p>No serious treatment-related adverse events with cytisinicline</p>

TASC: West et al; *N Engl J Med*; 365:13 Sept 29, 2011
 CASCAID: Walker et al; *N Engl J Med*; 371:25 Dec 18, 2014

ORCA-1 Phase 2b Dose Selection Study (N=254)



Objective:

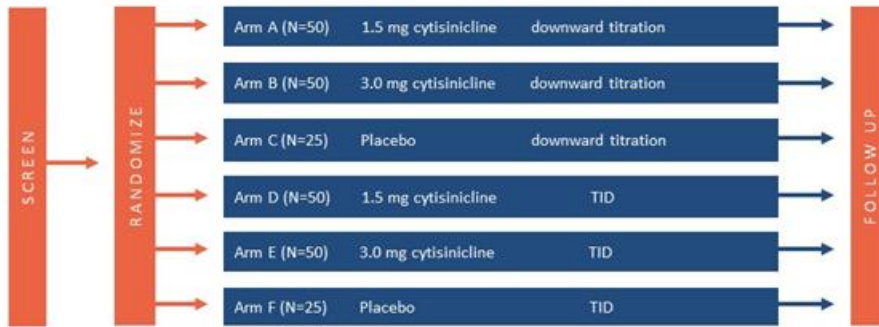
- To optimize Phase 3 trial planning for dosing, scheduling, compliance and efficacy rates in U.S.
- Evaluate safety and efficacy of 1.5mg and 3mg of cytisinicline vs placebo administered over 25 days
- All subjects to receive standardized behavioral support and will be followed up out to 8 weeks

Population:

Smokers of ≥ 10 cigarettes/day and expired air CO > 10 ppm

Endpoints:

- Biochemically verified abstinence
- Reduction in self reported cigarettes smoked during treatment



ORCA-1 Dose Selection Study Results: Baseline Subject Demographics

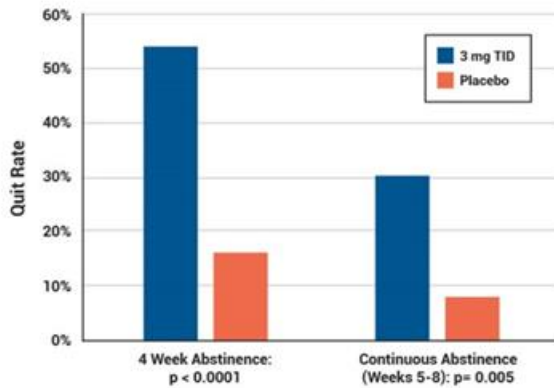
ORCA-1

	TID		Downward Titration		Pooled Placebo (n=51)	ALL (n=254)
	1.5 mg (n=52)	3.0 mg (n=50)	1.5 mg (n=51)	3.0 mg (n=50)		
Smoking duration (mean years)	30.9	30.0	33.3	33.2	33.0	32.1
Daily smoking (median cigarettes)	20	18	20	20	20	20
Prev. quit attempts (mean)	4.7	3.8	5.4	3.8	4.9	4.5
Previous treatments						
Varenicline	21 (40%)	18 (36%)	21 (41%)	13 (26%)	19 (37%)	92 (35%)
Bupropion	9 (17%)	7 (14%)	9 (18%)	3 (6%)	12 (24%)	40 (16%)
NRT						
Patch	27 (52%)	25 (50%)	23 (45%)	19 (38%)	28 (55%)	122 (48%)
All other NRT	22 (42%)	16 (32%)	21 (41%)	12 (24%)	26 (51%)	97 (38%)
e-cigarettes	19 (37%)	13 (26%)	15 (29%)	11 (22%)	18 (35%)	76 (30%)

ORCA-1 Dose Selection Study Results: Statistically Significant Efficacy Observed for 3.0 mg TID



Quit Rates for 3 mg TID vs Placebo

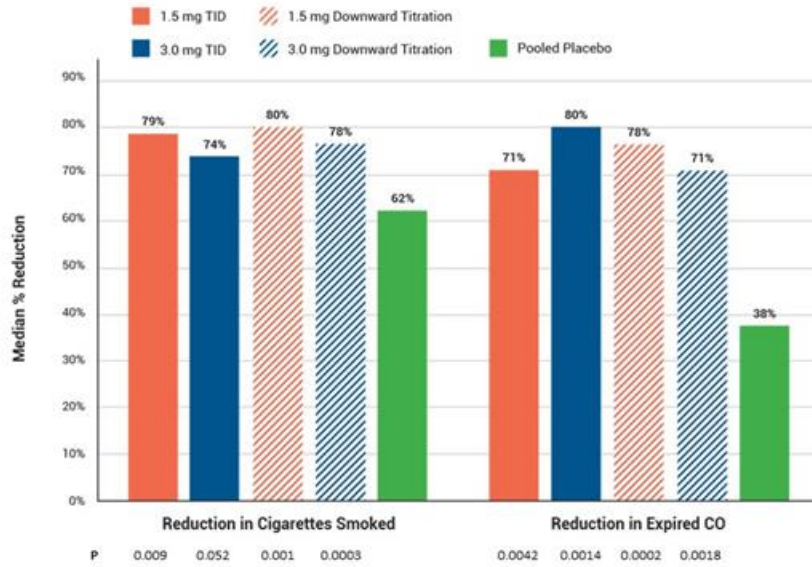


1. Average % reduction expired CO from Baseline by Day 28.
 2. Biochemically confirmed quit on Day 28 (no cigarettes smoked and expired CO<10 ppm).
 3. Biochemically confirmed quit on Day 28 and weeks 5, 6, 7, & 8 (no cigarettes smoked and expired CO<10 ppm).
 4. EAGLES. Anthenelli et al. Lancet. 2007-20, June 18, 2016.

Characteristic	3.0 mg CYT (N=50)	Placebo (N=51)	P Value
Reduction in expired CO ¹	80%	38%	p = 0.003
4 Week Abstinence ²	54%	16%	p < 0.001
Continuous Abstinence (Weeks 5-8) ³	30%	8%	p = 0.005

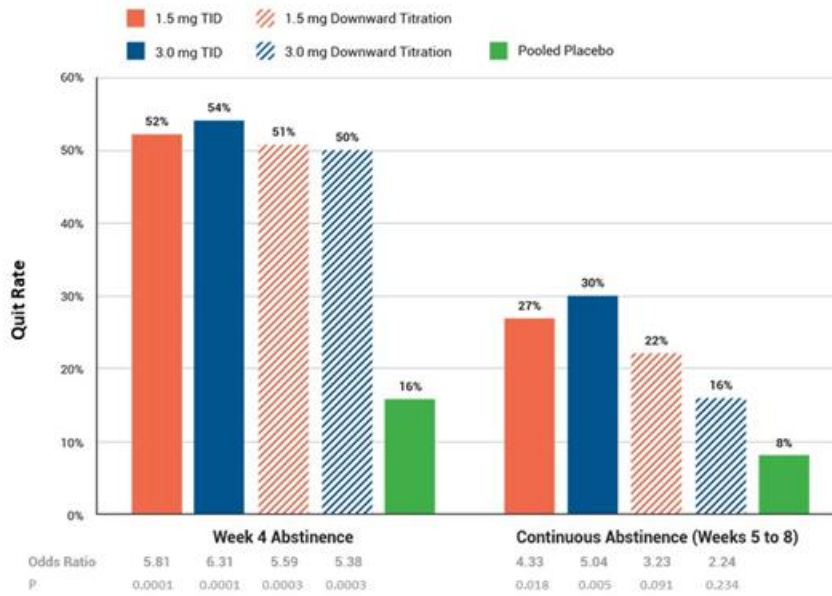
- Statistically significant quit rates demonstrated at both end of treatment and weeks 5 through 8 (the FDA approvable endpoint)
- CO confirmed end of treatment quit rates on Cytisinicline exceeded Chantix, Zyban & NRT quit rates at both week 4 and week 12 (end of treatment) in latest EAGLES study⁴
- Adherence to study treatment was 98% in the 3.0 mg TID arm
- Cytisinicline was well-tolerated with no serious adverse events reported
- 3.0 mg dose with TID administration selected to move forward to Phase 3 development

ORCA-1 Dose Selection Study Results: Biochemically Confirmed Reduction in Cigarette Consumption



- Subjects on cytisinicline experienced a 74-80% median reduction in cigarettes smoked, compared to a 62% reduction for placebo
- Expired CO levels declined by a median of 71-80% in the cytisinicline treatment arms, compared to only 38% for placebo
- All four cytisinicline arms demonstrated statistically significant reductions in expired carbon monoxide (CO), a biochemical measure of smoking activity ($p < 0.05$)
- The lack of consistency in the reduction of expired CO levels compared to the self-reported data suggest potential under-reporting of cigarettes smoked or compensation by subjects on placebo

ORCA-1 Dose Selection Study Results: Significant Increase in Quit Rates Across All Cytisinicline Arms



- All cytisinicline arms demonstrated statistically significant end of treatment quit rates ($\geq 50\%$; $p < 0.001$)
- TID administration outperformed the downward titration groups at both end of treatment and weeks 5-8
- 3.0 mg dose with TID administration selected to move forward to Phase 3 development

ORCA-1 Dose Selection Study Results: Confirmation of Safety & Tolerability



Most commonly reported (>5%) side effects from ORCA-1:

Adverse Event	3.0 mg TID (n=50)	Pooled Cytisinicline (n=203)	Placebo (n=51)
At least 1 AE	42%	46%	47%
Upper Respiratory Tract Infections	6%	6%	14%
Nausea	6%	6%	10%
Abnormal Dreams	6%	9%	2%
Insomnia	6%	7%	2%
Constipation	6%	2%	2%
Headache	4%	5%	4%

- Cytisinicline was generally well-tolerated across all treatment groups
- Overall low incidence of adverse events
- No serious or severe adverse events reported
- Low rates of AE's compares favourably to currently approved smoking cessation products

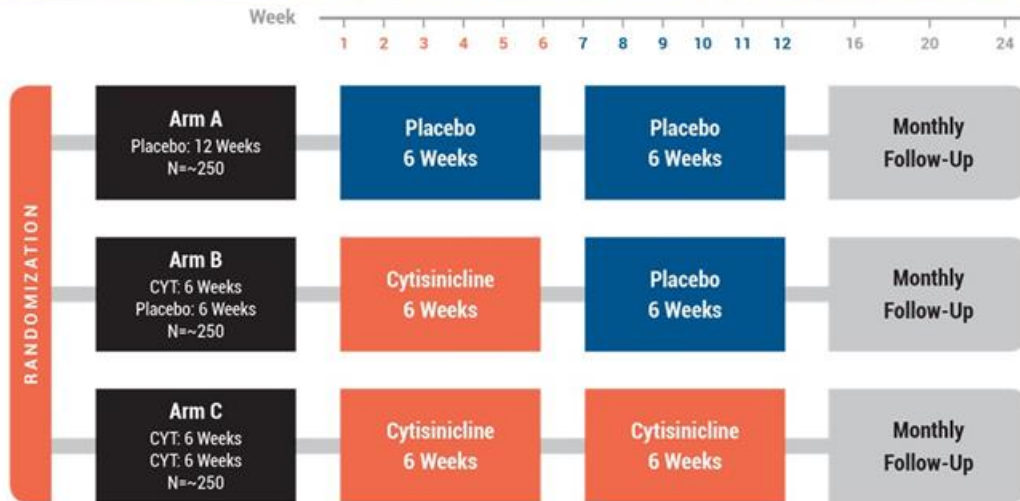
Next Steps for Cytisinicline Development: Phase 3 Plans



- 3.0 mg TID dosing selected for P3 development
 - Best safety & efficacy demonstrated in ORCA-1
- Extend dosing period from 25 days to 42 days (6 weeks)
 - Potential to increase quit rates seen in ORCA-1
- Evaluate abstinence rates during the last 4-weeks of treatment
 - Previously not able to measure on treatment given 25 day schedule
- Evaluate re-treatment course or 12 weeks total
 - Adds additional safety data (as requested by FDA)
 - Allows evaluation for reduction in risk of relapse



Pivotal Phase 3 Study Design



Primary Endpoint:

- Biochemically verified continuous abstinence during the last 4 weeks of treatment
 - Arm B: Weeks 3-6
 - Arm C: Weeks 9-12

Secondary Endpoint:

- Continuous abstinence from end of treatment through week 24

Objective: Evaluate safety and efficacy of 3.0 mg of cytisinicline vs placebo administered TID over 6 & 12 weeks
All subjects to received standardized behavioral support and will be followed up to 24 weeks

Population: Smokers of ≥ 10 cigarettes/day and expired air CO > 10 ppm

U.S. NDA-Supportive Trials: Completed and Planned



Study	Completed / Status
Food Effect PK Clinical Study	✓
Repeat Dose PK/PD Clinical Study	✓
Reproductive Toxicology	One study ongoing and two completed in Q4 2017 (NCI supported)
Drug to Drug Interaction	✓
Chronic Toxicology	6 month study in progress and 9 month study to be initiated
Carcinogenicity	24 month study under SPA in progress and 6 month study to be initiated
Phase 1 MTD Study	✓
Pediatric Requirements	✓ (Waiver agreement with FDA received in 2019)
Elderly Population	Population to be evaluated in other trials including P3
Renal Impairment Clinical Study	To be initiated in parallel with P3 Clinical Program
Hepatic Impairment Clinical Study	Waiver to be requested (no hepatic metabolism)
Thorough QT Evaluation	To be initiated in parallel with P3 Clinical Program
Phase 2b Dose Selection Study	✓
Phase 3 Clinical Program	To be initiated in 1H of 2020



Market Opportunity

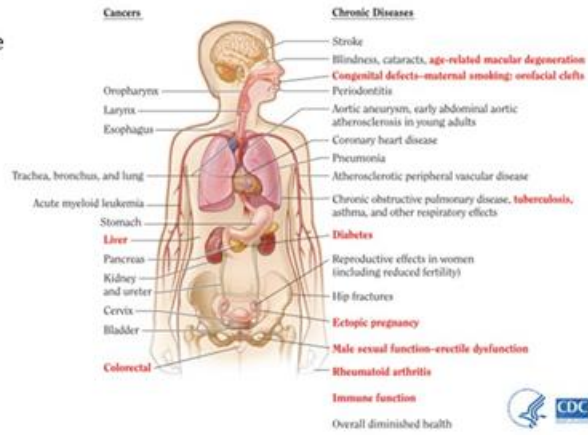
Why Smoking Cessation?



- Tobacco use causes more than 8 million deaths per year, globally¹
- Nearly 480,000 deaths in the U.S. annually or 1,300 per day²
- Nearly 35M U.S. adults still smoke cigarettes³ and 4.8M youth use tobacco products⁴
- Each year in the U.S., nearly \$300B spent in healthcare and lost productivity on smoking-related diseases³

Risks from Smoking

Smoking can damage nearly every part of your body



1. World Health Organization (WHO). WHO Report on the Global Tobacco Epidemic, 2019.
 2. U.S. Department of Health and Human Services. The Health Consequences of Smoking—50 Years of Progress: A Report of the Surgeon General, 2014.
 3. Centers for Disease Control and Prevention (CDC). Tobacco Product Use Among Adults—United States, 2017.
 4. Centers for Disease Control and Prevention (CDC). VUAF Signs: Tobacco Product Use Among Middle and High School Students—United States, 2011–2018.

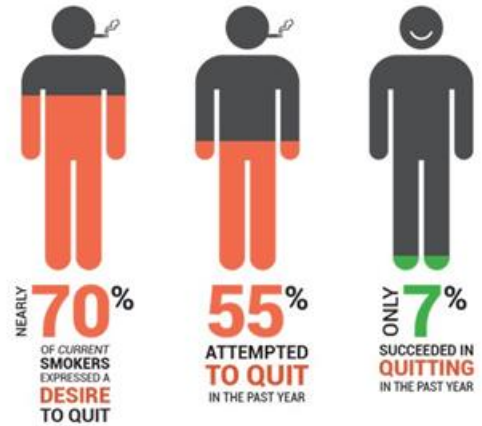
Treatment options are limited with nothing new in over a decade

- Chantix (varenicline) and ZYBAN® (bupropion hydrochloride)
 - Both are oral drugs given on average for 12 weeks
 - Safety has been a concern with both treatments including historic black box warnings
- Nicotine replacement less effective and creates costly, substitute addiction

Quitting is Hard! Multiple attempts and treatments are typical

- 70% of current smokers have expressed a desire to quit, 55% attempted to quit in the past year but only ~7% succeeded
- Up to 60% of quitters relapse in the first year due to addictive nature of nicotine*
- Estimated 8–11 attempts before quitting permanently*

According to the Centers for Disease Control & Prevention:



*Registered trademark Glaxo Group
*Centers for Disease Control & Prevention, Quitting Smoking Among Adults – United States, 2000–2015

PATENT APPLICATIONS

- Several patent families pursued globally including formulation, method of use, extraction
- Issued patents – new cytisinicline salt formulation
- Ongoing discovery and other development work in providing additional IP opportunities

REGULATORY EXCLUSIVITY

- Hatch-Waxman – 5 years for NCE
- Europe – Up to 10 years in countries where cytisinicline is not already approved
- Orange Book cytisinicline specification

EXCLUSIVE API SUPPLY

- Sopharma exclusive supply agreement to 4-6 year API lead time
- 100% (-)- enantiomer of cytisinicline
- Synthetic 100% (-)- cytisinicline not currently viable
- Extraction know-how / trade secrets

SECOND GENERATION CYTISINICLINE

- University of Bristol exclusive license agreement
- Next generation highly targeted cytisinicline derivatives for other indications



Capitalization

Capitalization



- Cash, cash equivalents and investments of ~\$7.4M as September 30, 2019
- No debt
- Capitalization (as of Nov. 6, 2019):

Common Shares Outstanding	8,352,764
Warrants (WAEP \$4.12)	4,116,712
Outstanding under equity award plans	1,020,943
Fully Diluted Shares	13,490,419



Cytisinicline well-positioned to address global tobacco public health epidemic

- Addresses tobacco & nicotine addiction, leading cause of cancer and cardiovascular disease-related death
- Differentiation from currently available products, with history of black box warnings, has positive implications for improved safety and efficacy

Large market opportunity and patient need

- ~\$13B nicotine addiction market, with sales of leading product Chantix of >\$1B in 2018*

Solid foundation of clinical evidence with regards to both safety and efficacy

- Two completed Phase 3 trials, with over 2,000 patients, supports safety and efficacy of cytinicline

Clear path to market

- Recent FDA interactions provide clear direction for NDA requirements in U.S.

Proven management team

- Management team has a history of leading successful biopharma companies, including through acquisition



ACHIEVE
LIFE SCIENCES

Thank You!

Achieve Management Team



Rick Stewart, Chairman & Chief Executive Officer



Nearly 25 years of experience in the pharmaceutical industry having founded and served as CEO for private and public companies Ricanto, Renown Pharma, Brabant Pharma, Huxley Pharma, and Amarin Corp. Also founded and held the positions of CFO and CBO of SkyePharma.

John Bencich, MBA, EVP, Chief Financial & Operations Officer



An experienced financial executive with 20 years of experience in the pharmaceutical industry having served as CFO and in senior financial positions at multiple public and private companies including OncoGenex, Integrated Diagnostics, Allozyne, and Trubion (acquired by Emergent).

Anthony Clarke, PhD; Chief Scientific Officer



Extensive experience in the biotechnology/pharmaceutical industry, Dr. Clarke is a founder and director of Ricanto, and currently serves as CSO of Renown Pharma. Dr. Clarke was CSO of Huxley Pharma, Brabant Pharma, and was VP Clinical Research and Regulatory Affairs of Amarin Corp.

Cindy Jacobs, PhD, MD; EVP, Chief Medical Officer



With over 30 years of experience in the biotechnology/pharmaceutical industry, Dr. Jacobs is an experienced executive in drug development. She served as EVP & CMO of OncoGenex, CMO & SVP of Corixa Corporation, and held VP Clinical Research positions at two other biopharmaceutical companies.

Jaime Xinos, EVP, Commercial



Two decades of commercial experience, including VP, Marketing and Corporate Communications at OncoGenex, and previous marketing, commercial development, sales and marketing leadership roles at Pfizer, Novartis and Abbott Labs.

Achieve Board of Directors



Rick Stewart, Chairman & Chief Executive Officer

Anthony Clarke, PhD; Chief Scientific Officer

Donald Joseph, Lead Independent Director	Jay Moyes, Audit Chair	Dr. Martin Mattingly, Compensation Committee Chair	Stewart Parker, Nominating & Corporate Governance Chair	Scott Cormack
<p>Over 20 years of biopharmaceutical industry experience with senior management positions in global health non-profit organizations. Currently serves as consultant, legal advisor, and general counsel to many biopharma and global health organizations including KaloBios, Abgenix, and Renovis. Former partner at Baker and McKenzie.</p>	<p>Considerable board experience in the life sciences industry – Osiris, BioCardia and Puma Biotechnology – and a number of CFO and accounting roles throughout his career.</p>	<p>Executive leadership experience in late-stage clinical development, public company expertise, and commercialization and business development experience with pharmaceuticals and biologics including director of OncoGenex and TRACON Pharmaceuticals, CEO of Trimeris and Ambrx, Inc.</p>	<p>Extensive biopharmaceutical and biologics experience. Senior executive leadership roles spanning financial, operational, business and clinical development.</p>	<p>Former CEO of OncoGenex with comprehensive experience leading public life science companies and deep industry knowledge.</p>