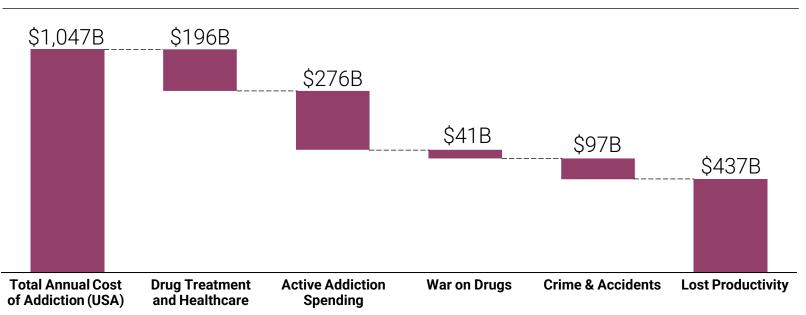


Deploying cutting edge genetic treatments to address addiction

Scope of Addiction

Addiction costs the USA **over \$1 trillion** every year

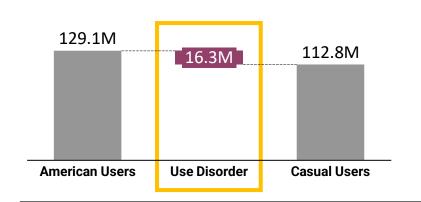
ANNUAL ADDICTION RELATED COST IN THE USA



Costs of addiction are equivalent to ~6% of US GDP or ~17% of all US government spending



The Alcohol Problem



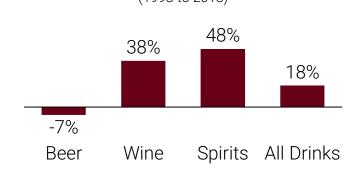
\$224B

Total Cost USA
(Annually)

88k+

American Lives Lost
(Annually)

USA Per Capita Consumption Change

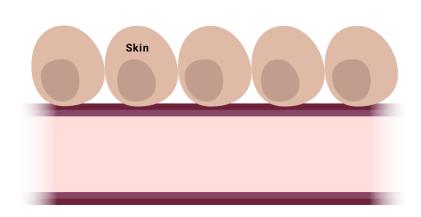


Alcohol abuse disorder (AUD) currently see's 3 in 4 patients treated failing to preserve their sobriety within the first year of treatment



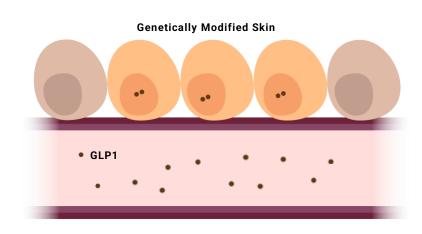
AddGraft Therapeutics' unique treatment for AUD deploys directly in the bloodstream

BEFORE TREATMENT



YOUR BLOODSTREAM

AFTER TREATMENT

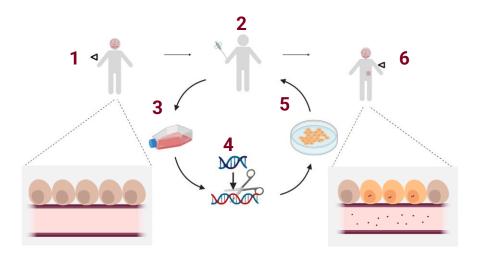


GLP1 MOLECULES INTRODUCED INTO BLOODSTREAM

AddGraft Therapeutics' unique treatment utilizes a skin bioengine to deploy natural occurring molecules to treat addiction



NOVEL AUD TREATMENT



PROCEDURE

- 1. Individual with AUD
- 2. AUD patient has sample of skin taken (fingernail size)
- 3. Skin is quickly relocated to laboratory partner
- 4. Skin is edited using stem cell and CRISPR technologies
- 5. Skin sample is cultured and grown for 3-week period
- 6. Modified skin is implanted back into original patient as a skin graft

FOLLOW ON

- Patient has limited cravings for alcohol and limited desire to drink in case of relapse
- Patient utilizes common antibiotics to "activate" skin graft in future case of cravings
- Patient utilizes cognitive behavioral treatment for 12 weeks with behavioral experts

AddGraft Therapeutics' unique treatment is implemented through a one time, minimally invasive surgery



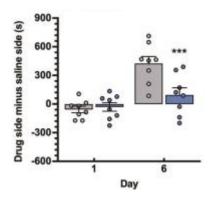
Our treatment has shown highly encouraging preclinical results and successfully prevents alcohol addiction, relapse and reducing active drinking

PREVENTING ADDICTION

PREVENTING RELAPSE

REDUCING ACTIVE DRINKING

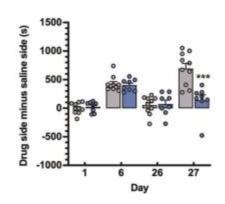
Experiment: Testing addiction rates in grafted and non grafted mice



- Not Grafted Mice
- Grafted Mice

Results: Addictive behavior not developed in grafted mice

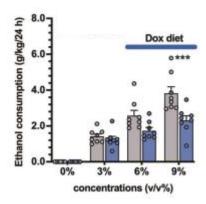
Experiment: Testing relapse rates in grafted versus non grafted mice



- O Not Grafted Mice
- Grafted Mice

Results: Formerly addicted mice when grafted did not relapse

Experiment: Testing alcohol consumption rates in grafted and non grafted mice



- O Not Grafted Mice
- Grafted Mice

Results: Grafted mice showed reduced ongoing drinking levels



Key Features

TREATING CO-ABUSE

Single treatment for alcohol, nicotine, cocaine and co-abuse







Patent filed and pending – USA, China and Europe



3 publications and 2 peer reviews corroborating preclinical results

TECHNOLOGY FEATURES



Long lasting, highly effective and minimally invasive



Autograft minimizes immune response



Treatment is highly successful in mouse models



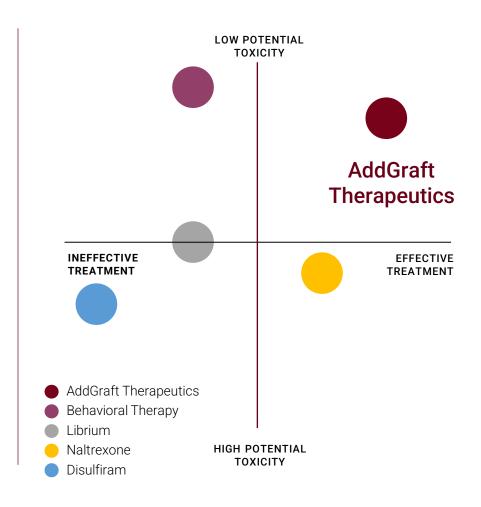
Bioengine stably supplies GLP1 molecule to bloodstream

AddGraft's onetime treatment provides lifelong and diverse benefits to patients along with unique market and technological advantages



Market Assessment

Current AUD
treatments, approved
by the FDA, have
potential for severe
health complications
and efficacy issues





Market Assessment

\$60k cost to treat	PRIMARY/ENTRANCE MARKET Alcohol	secondary market Nicotine	TERTIARY MARKET Cocaine
MARKET ENTRANCE	FDA APPROVAL	SECONDARY FDA APPROVAL	TERTIARY FDA APPROVAL
Total Addressable	\$982B	\$2,012B	\$61B
Market	16.3M with use disorder	33.4M with use disorder	1M with use disorder
Service Addressable	\$90B	\$624B	\$12B
Market	9% use treatment	31% use treatment	20% use treatment
Service Obtainable	\$5B - \$29B	\$12B - \$62B	\$1.5B - \$2.5B 25% employed 50-80% captured
Market	5-20% captured	2-10% captured	

AddGraft's single surgery, with no alteration of chemical or mechanical deployment, treats alcohol, nicotine, cocaine and co-abuse



Market Entrance

AddGraft will initially seek to treat AUD patients in the state of Illinois, through partnerships with hospitals, who are currently routing patients to expensive rehabilitation facilities

CURRENT STATE

- Patients Use: Stays at behavioral rehab facilities with inclusion of MAT
- Cost Per Treatment: \$5k \$50k+ (often requires multiple treatments)
- Acquired Through: Post hospital visit reroute, drug court assignment or personal outreach
- Paid By: Portion of insurance, government funding and out of pocket expense
- **Expectations:** Relapse at ~75%

ADDGRAFT ENTRANCE

- Patients Use: AddGraft's one time treatment
- Cost Per Treatment: \$60k
- Acquired Through: Post hospital visit reroute and behavioral partnerships
- Paid By: Portion of insurance, government funding and out of pocket expense
- **Expectations:** Rate of relapse to be significantly lower (exacts to be determined in human trials phase 2)



Team

Management Team



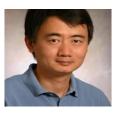
Ryan Meyers
Chief Executive Officer

MBA Candidate at University of Chicago Booth, Venture Capital, Healthcare Management Consulting



Dr. Ming XuChief Science Officer

Professor, University of Chicago – Neurobiology, Addiction Specialist



Dr. Xiaoyang Wu Chief Technology Officer

Associate Professor, University of Chicago – Tissue Engineering, Regenerative Medicine, Platform Inventor

Advisory Board



Michael Darcy Former CEO of Gateway Foundation

Michael spent 30 years as the CEO and President of the Gateway Foundation, Illinois's largest substance abuse treatment provider



Dimitra Georganopoulou, PhD C-Suite Biotech Executive

Dimitra has spent decades in biotech with experiences from Chief Business Officer of myGenomeRx to directing innovation at top level institutions like Northwestern and MIT





C.B.A.N.

Chicago Booth Angel Network



Partners and Programs

Affiliations and Awards





Addiction Medicine. **Saving Lives.**



Current Incubator/Program Participation







Completed Programs



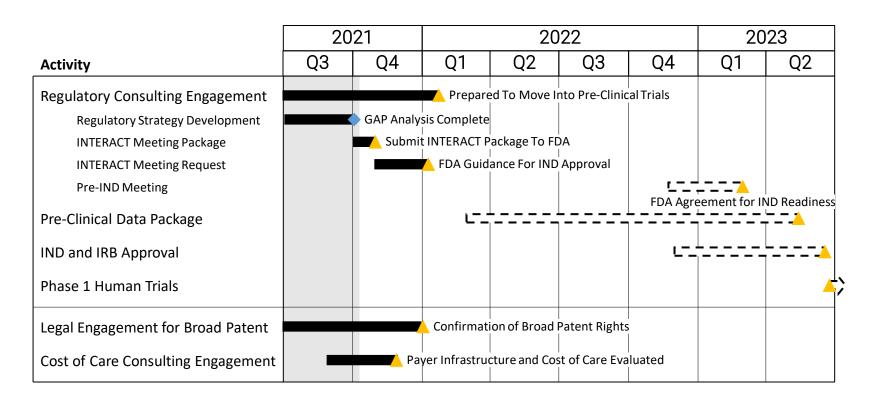






Critical Next Steps

In the immediate future, establishing a clear path to phase 1 IND approval with the FDA for our revolutionary new technology will create significant value





Represents Value Creation Point

Represents Completed Value Creation Point



Fundraising

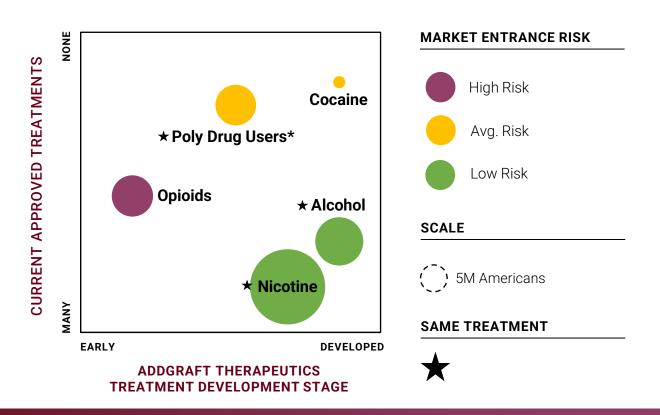
	VALUE	TIMING	SIGNIFICANT MILESTONES
Previous Funding	\$3.1M in NIH Grants	2016 – January 2021	Technology successfully developed and tested in mouse models
Pre-Seed	\$110k	July 2021 – January 2022	 FDA confirmation of preclinical and clinical approach Legal confirmation of Broad patent rights Payer infrastructure confirmed
Seed	\$5.8M (Projected)	January 2022	 Conduct preclinical trials scoped and confirmed by the FDA (Tox, CMC, PK, Etc.) Receive IND approval

AddGraft has successfully raised \$110k in our pre-seed round to fund final aspect of our FDA approved planning



Opportunity Summary

MARKET ENTRANCE ANALYSIS

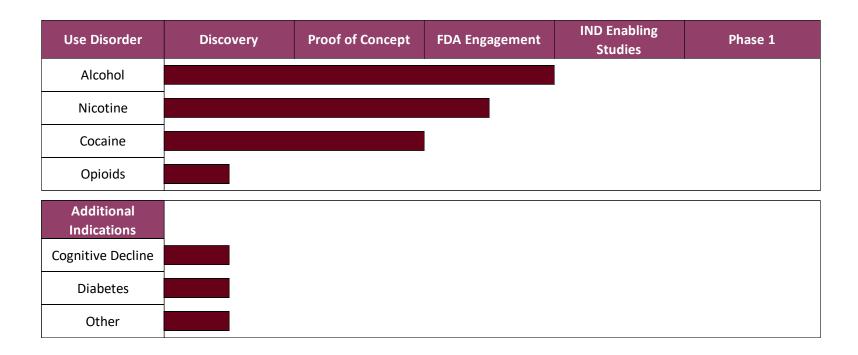


Our beachhead market will be for AUD patients, but this platform technology can service many other addictions/disorders



Opportunity Summary

MARKET ENTRANCE ANALYSIS



Our beachhead market will be for AUD patients, but this platform technology can service many other addictions/disorders





Let's continue the conversation!

Ryan Meyers

CEO

Ryan@addgrafttherapeutics.com (248) 770 - 8438

Appendix

Market Assessment – Alcohol Abuse Treatment

Within the alcohol abuse treatment market, there are 3 FDA approved treatments which are expensive over a patient's lifetime, produce significant negative side effects and have high rates of relapse

	\$ 21				AddGraft THERAPEUTICS
	Behavioral Therapy	Chlordiazepoxide	Acamprosate	Disulfiram	Skin Graft Gene Therapy
Frequency	30-90 days	Multiple Times Daily	Multiple Times Daily	Daily	Daily
Stage	Available (50-80% relapse rate year one)	FDA Approved	FDA Approved (40% - 60% relapse rate)	FDA Approved (80% relapse rate)	Multiple years from FDA approval
Ease for Patient		_	_	•••	+
Complication / Toxicity	+		_		+
Cost	\$30k/visit	50 - 60k/year	1.5k/year	<1k per year	\$60k, one-time



Technology Advantages Between Substances

	Cocaine	Alcohol	Nicotine	Opioids	Co-abuse
Reducing Use	+	+	+	?	•••
Preventing Addiction	+	+	+	+	+
Preventing Relapse	+	+	+	+	+
Technology Developed	+	+	+		+
Preventing Overdose Death	+			?	•••

AddGraft's treatment is extremely effective at treating various aspects of addictive behavior



Team Details

Name	Employment Type	Position	Qualifications	Responsibilities
Ryan Meyers	Full Time	CEO	 Venture Experience – Evaluated deal flow, assisted portfolio companies, sourced deals Management Healthcare Consultant – Led clients through mergers, acquisitions and org change MBA Candidate Chicago Booth 	 Lead AddGraft's strategy and general direction to commercialization Lead fundraising efforts and associated relations Maintain and manage business operations Execute financial plan and management Manage AddGraft's team including hiring and external contractor decisions Complete additional tasks as required
TBD	Full Time	CRO	 Experience PMO in regulatory processes and preclinical trials PHD or associated scientific degree from top university 	 Oversee preclinical and clinical study development, execution and regulatory strategy Supervise and manage associated regulatory contractors Own FDA relationship for AddGraft Act as PI when necessary/appropriate
Dr. Ming Xu	Part Time	CSO	 Professor, University of Chicago – Neurobiology, 25 years of studying addiction and considered addiction specialist PHD Over 100 career publications 	 Lead ownership of the scientific platform and deployment of technology Develop and collaborate to produce preclinical and clinical trial materials, procedures and required data
Dr. Xiaoyang Wu	Part Time	СТО	 Associate Professor, University of Chicago – Tissue Engineering, Regenerative Medicine Skin based platform inventor PHD 	 Develop and collaborate to produce preclinical and clinical trial materials, procedures and required data Own skin graft development and technology expansion



Pre-Seed and Seed Budget

	(\$ in 1			
Item	Pre	-Seed	Seed	
R&D Costs				
Phase 1 Pre Clinical Trials				5,000
R&D Subtotal	\$	-	\$	5,000
Regulatory Consulting Subtotal				
Regulatory Strategic Development	\$	15		
INTERACT Meeting Services		42		
Pre-IND Meeting				140
IND Submission				200
Regulatory Consulting Subtotal	\$	57	\$	340
Business Needs				
AddGraft Team and Infastructure	\$	10	\$	240
Additional Legal and Consulting Needs		18		100
PHI Utilizing Cost Of Care Engagement		15		
IP		10		200
Business Needs Subtotal	\$	53	\$	540
Total Seed in SAFE's	\$	110	\$	5,880



Phase 1 Budget

Executing 10 surgeries in our phase 1 clinical trials is projected to cost \$617k

Phase 1 Trial Cost Input	2021 Cost					
Surgeries (Per Patient)	\$	37,000				
Graft Manufacturing (Per Graft)		14,000				
Administrative Costs (Per Patient)		6,000				
Treatment Total Per Patient		57,000				
Treatment for 10 Patients	\$	570,000				
Treatment Staff Compensation	\$	47,000				
Total for 10 Patient Study	\$	617,000				

Treatment	Per I	Per Patient Cost			
Surgery 1: Skin Removal					
Operation	\$	10,000			
Wound Closure		500			
Dressings		500			
Inpatient Dressings		1,000			
Surgery 1: Skin Removal	\$	12,000			
Sugery 2: Graft Installment					
Operation	\$	15,000			
Wound Closure		500			
Dressings		500			
Inpatient Dressings		1,000			
Surgery 2: Graft Installment	\$	17,000			
Post Patient Follow Up (12 total)	\$	6,000			
Wound Care		2,000			
Treatment total	\$	37,000			
Graft Manufacturing		Cost			
Personnel	\$	60,000			
Supplies (per graft 6k across 10 patients)		60,000			
Lab Use Hours (Projected 130 hours at 150/hour)		20,000			
Graft total for 10 patients	\$	140,000			
Per Patient Graft Cost	\$	14,000			



Projected Cost Scaling

Executing 10 surgeries in our phase 1 clinical trials is projected to cost \$617k

Surgeries	1	Phase 1	F	Phase 2	Phase 3 / Commercial		
Surgery 1: Skin Removal							
Operation	\$	10,000	\$	9,000	\$	7,000	
Wound Closure		500		500		400	
Dressings		500		500		400	
Inpatient Dressings		1,000		1,000		800	
Surgery 1: Skin Removal	\$	12,000	\$	11,000	\$	8,600	
Sugery 2: Graft Installment							
Operation	\$	15,000	\$	14,000	\$	12,000	
Wound Closure		500		500		400	
Dressings		500		500		400	
Inpatient Dressings		1,000		1,000		800	
Surgery 2: Graft Installment	\$	17,000	\$	16,000	\$	13,600	
Post Patient Follow Up (12 total)	\$	6,000	\$	6,000	\$	3,000	
Wound Care		2,000		2,000		1,500	
Surgeries Total	\$	37,000	\$	35,000	\$	26,700	
Graft Manufacturing	•						
Personnel (60k total \$10/patient)	\$	6,000	\$	-	\$	-	
Supplies (per graft \$6k across 10 patients)		6,000		6,000		5000	
Lab Use Hours (Projected 130 hours at \$150/hour)		2,000		3,250		3000	
Per Patient Graft Cost	\$	14,000	, \$	9,250	' \$	8,000	
Treatment Total Per Patient	\$	51,000	\$	44,250	\$	34,700	
Estimated Price For Patients					\$	60,000	
Gross Margin					\$	25,300	
Gross Margin %						42%	



Financial Projections

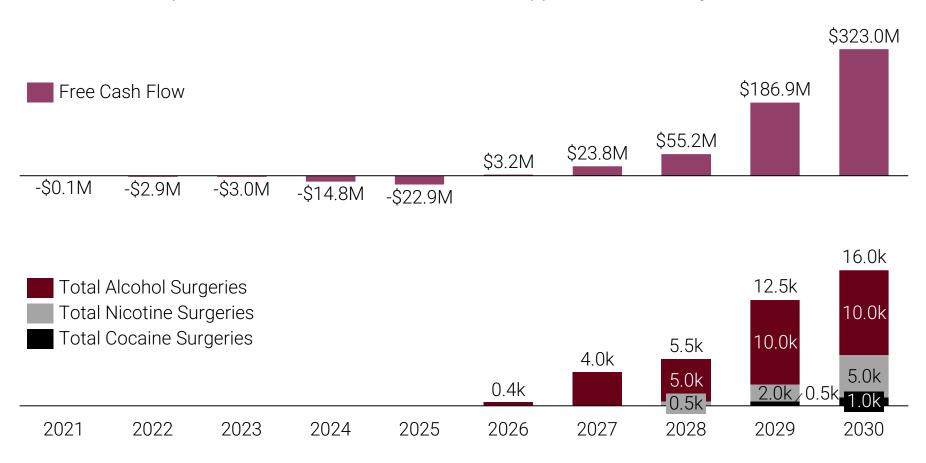
Current projections put AddGraft prepared to begin generating revenue and attaining positive cash flows in 2026 with FDA approval for treating AUD

(\$ in 000s)	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Total Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 40,000	\$ 240,000	\$ 350,000	\$ 770,000	\$ 1,090,000
COGS - Direct Material	-	-	-	-	-	13,880	138,800	190,850	433,750	607,250
COGS - Direct Labor	-	-	-	-	-	1,000	1,350	3,375	7,088	8,505
Cost of Goods Sold	-	-	-	-	-	14,880	140,150	194,225	440,838	615,755
Gross Profit	-	-	-	-	-	25,120	99,850	155,775	329,163	474,245
% of Revenue	0%	0%	0%	0%	0%	63%	42%	45%	43%	44%
Pre-Clinical Direct Materials	-	2,567	2,550	-	500	1,033	5,117	-	-	-
Pre-Clinical Direct Labor	-	140	230	-	100	125	140	-	-	-
Clinical Direct Material	-	-	-	1,029	2,983	1,029	4,012	4,012	2,983	-
Clinical Direct Labor	-	-	-	230	409	230	639	639	409	315
Clinical Trial Study Expense	-	-	-	2,978	10,450	2,978	13,428	13,428	10,450	-
Total R&D Expense	-	2,707	2,780	4,237	14,442	5,395	23,336	18,079	13,842	315
Total SG&A	90	248	250	2,523	4,415	15,453	46,360	60,268	72,322	65,090
EBITDA	(90)	(2,955)	(3,030)	(6,760)	(18,858)	4,271	30,154	77,427	242,998	408,840
% of Revenue	0%	0%	0%	0%	0%	11%	13%	22%	32%	38%
Depreciation	-	2	6	8	8	248	220	56	91	295
Operating Profit	(90)	(2,957)	(3,036)	(6,768)	(18,866)	4,023	29,934	77,372	242,907	408,545
% Margin	0%	0%	0%	0%	0%	10%	12%	22%	32%	37%
Taxes	-	-	-	-	-	845	6,286	16,248	51,011	85,794
Net Income	(90)	(2,957)	(3,036)	(6,768)	(18,866)	3,178	23,648	61,124	191,897	322,751
(+) Depreciation	-	2	6	8	8	248	220	56	91	295
(-) Capex	10	20	10	8,080	4,055	100	25	6,021	5,052	25
Free Cash Flow	\$ (100)	\$ (2,975)	\$ (3,040)	\$ (14,840)	\$ (22,913)	\$ 3,326	\$ 23,843	\$ 55,158	\$ 186,936	\$ 323,021
% Margin	0%	0%	0%	0%	0%	8%	10%	16%	24%	30%



Financial Projections – FCF

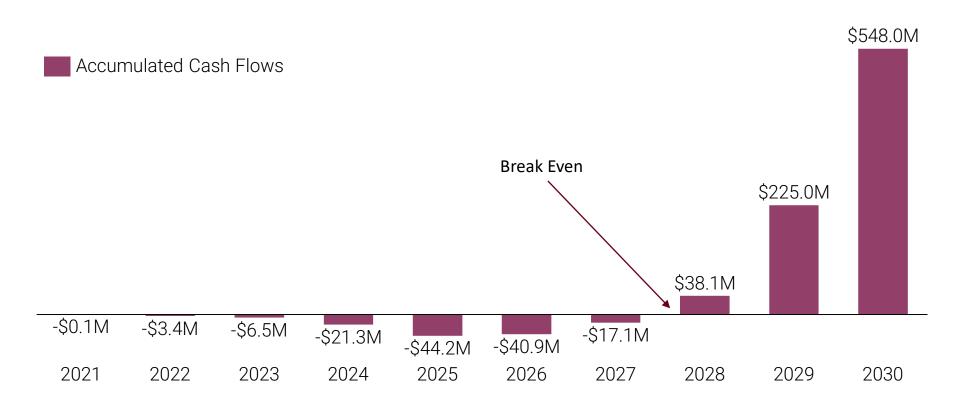
Current projections put AddGraft prepared to begin generating revenue and attaining positive cash flows in 2026 with FDA approval for treating AUD





Financial Projections - Break Even

Current projections puts AddGraft prepared to reach a break even point conservatively in 2028 (roughly 7k total surgeries completed)



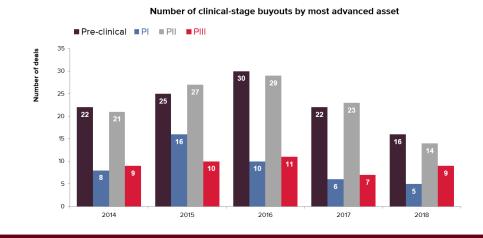


Opportunity Summary

Our venture has multiple potential endpoints from an early exit to full scaling and development of our platform

Pre FDA-Approval Exit

Exit opportunities range based on development stage and results of trials



Post FDA Scaling

Opportunity, after FDA
approval, to develop business
offerings and multiple
addiction markets

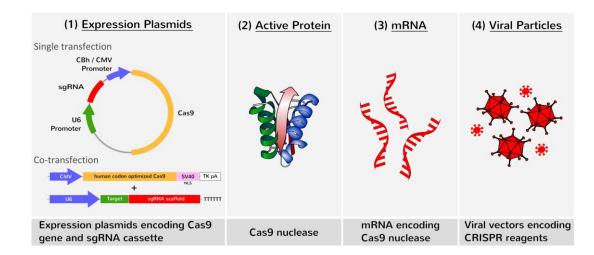
- Opioids
- Cocaine
- Nicotine
- Poly Drug Use



CRISPR Summary

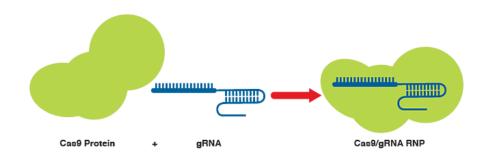
Current State

Utilizing a DNA based
approach to deliver Cas9
protein, gRNA and a targeting
vector for genome editing



Future State

Directly utilize Cas9 RNP complex (commercially available) to perform genome editing



AddGraft's future process for applying CRISPR will be simplified through the use of commercially available Cas9 RNP



Clinical Success Rate

AddGraft's unique gene therapy and CAR T similar treatment has a higher likelihood of approval then other therapies in development

Success rates by modality

Likelihood of Approval: Novel Modalities

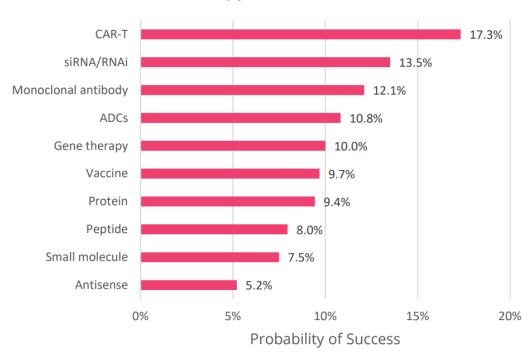


Figure 10a: LOA from Phase I for drugs based on modality. Chart of LOA from Phase I, displayed highest to lowest by drug modality.









2 Peer Reviews

- "the development of an ex vivo platform that can combine both precise genome editing in vitro with effective application of engineered cells in vivo will provide significant benefits for the treatment of many human diseases"
 - Cell Press (8/3/2017)
- "The exciting potential of Xu [and Wu] and colleagues' approach for treating cocaine dependence in afflicted individuals calls for studies that address these questions." - Nature Biomedical Engineering (2/3/2019)



Doxycycline Safety

Doxycycline is commonly prescribed for multiple months to treat various afflictions including 4-month prescriptions to fight acne

Institution / Source	Disease/Affliction	Prescription length
AAD American Academy of Dermatology Association	Acne	3-4 months
MAYO CLINIC	Chronic Obstructive Pulmonary Disease (COPD)	"Long Term"

Key Insight:

Due to the nature of addiction a 90-day period is enough time for extinction of the addiction. AddGraft's treatment can be successful in utilizing Doxycycline in windows shorter than current use for less significant disease.





Cocaine Specifics

Worldwide Problem

Despite a ~64% relapse rate and \$21B lost per year in the USA by cocaine usage, there are no current market approved drugs to treat abuse

Cocaine Statistics	USA	Worldwide
Users	5M	19M
Addicts/Abusers	1M	11.6M*
ER Visits (Annual)	505k	
Primary Treatment	Behavior Intervention	Behavior Intervention
Approved Drugs	0	0
Usage Trends	Stable	Growing

^{*}Represents an assumption that addict percentage worldwide is similar to that of the USA at 60%

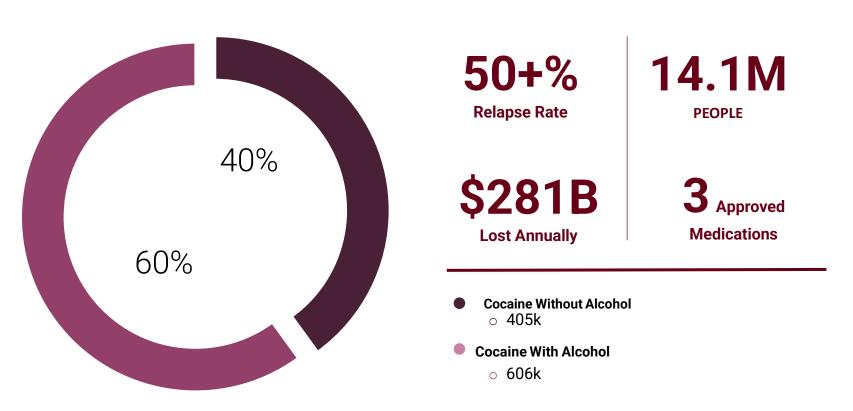


Co-Abuse Problem

60% of cocaine abusers also abuse alcohol, causing the likelihood of death to increase to 20x greater than the use of either individually

1M Cocaine Abusers in the USA

Alcohol Abuse Disorder In The USA

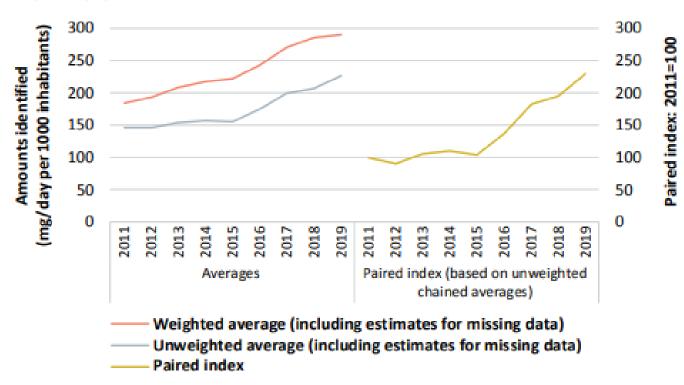




Problem

Europe has seen nearly 50% cocaine usage increase since 2011

FIG. 27 Benzoylecgonine (cocaine metabolite) found in wastewater, 136 cities in Europe, 2011–2019

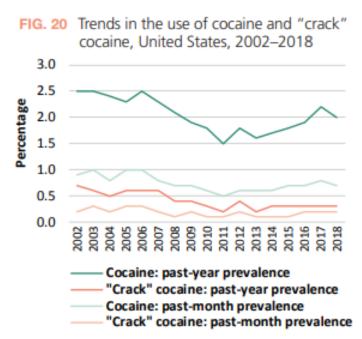


Source: UNODC calculations based on wastewater data provided by Sewage Analysis CORe group Europe (SCORE).

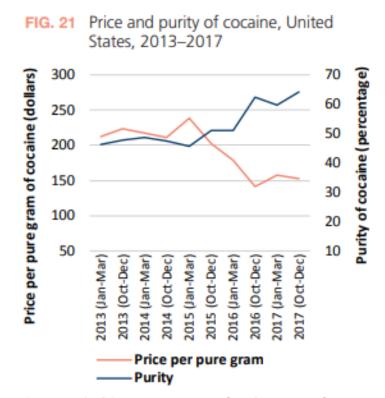


Problem

Usage in the USA has become relatively stable while price has gone down, and purity has gone up



Source: United States, Substance Abuse and Mental Health Services Administration, Key Substance Use and Mental Health Indicators in the United States: Results from the 2018 National Survey on Drug Use and Health: Detailed Tables (Rockville, Maryland, Center for Behavioral Health Statistics and Quality, 2019).



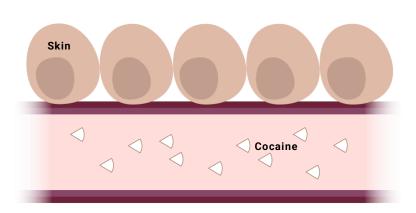
Source: United States, Department of Justice, Drug Enforcement Administration, 2019 National Drug Threat Assessment (December 2019).



Our Technology - Cocaine

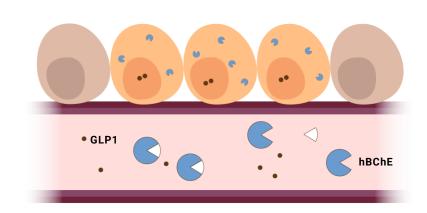
AddGraft Therapeutics' unique treatment for cocaine addiction addresses cocaine in the bloodstream and in the brain

BEFORE TREATMENT



COCAINE IN YOUR BLOODSTREAM

AFTER TREATMENT



HBCHE AND GLP1 MOLECULES INTRODUCED

AddGraft Therapeutics' unique treatment utilizes a skin bioengine to deploy natural occurring molecules to treat addiction



Our Technology – Cocaine

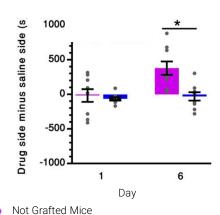
This method for treatment has shown highly encouraging preclinical results and successfully prevents cocaine addiction, relapse and overdose-related death

PREVENTING ADDICTION

PREVENTING RELAPSE

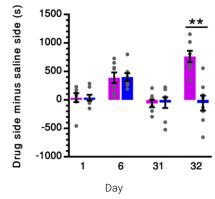
PREVENTING OVERDOSE DEATH

Experiment: Testing addiction rates in grafted and non grafted mice



Results: Addictive behavior not developed in grafted mice

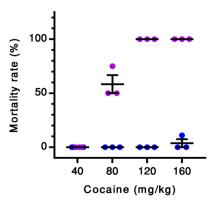
Experiment: Testing relapse rates in grafted versus non grafted mice



- Not Grafted Mice
- Grafted Mice

Results: Formerly addicted mice when grafted did not relapse

Experiment: Testing mortality rates in grafted and non grafted mice



- Not Grafted Mice
- Grafted Mice

Results: Grafted mice, exposed to twice the lethal dose of cocaine, did not die or show other effects of drug use

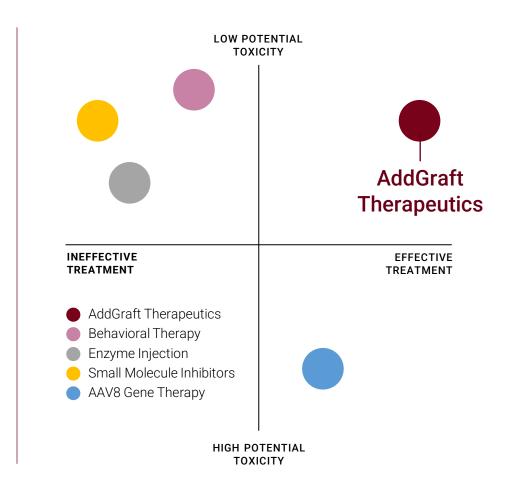


Grafted Mice

Market Assessment – Cocaine

Within the cocaine abuse treatment market, there are no FDA approved treatments

and those that are being considered, outside of AddGraft Therapeutics, have potential for severe health complications and efficacy issues





Potential Patient Testimony

Unfortunately, individuals with cocaine abuse have had little luck with existing treatments and are desperate for new solutions

Quote

(via email reach out)

"Good morning, my son XXX is usualy cocaina, I need help for my son his 29 year and use for 6 year. From the botton of my heart i really would like my son to be included in the human fase the recearch on."

"Hello Dr. Xu,

My name is XXX. Over the last 20 years I've been fighting with alcohol and cocaine. I have tried to take my life a few times, but there's something that keep me going. I've tried different recovery treatments and nothing works. Cocaine has always won this battle. My last relapse was last week and I've spent a few days in the mental disorder unit for drug abuse. I can't go through this situation once more. I am tire of my cocaine problem and I'd like to wear out my last chance. Taking a look through internet, I found an article on your studies and the progress on mice. Is it possible on people?? I don't want to waist your time, but I'm willing to try anything. I want to live, but live well and more or less happy. Thanks a lot for your time, xxx"

"Dear sir, I'm 47 and an active professional with a loving family who would like to kick a 25 year old habit. Please consider me"



Expert Testimony

Industry experts agree that the current cocaine treatment landscape requires new innovation and that AddGraft's treatment could make a large impact and be commercially accepted

Expert	Position	Quote (Slight Paraphrasing)	
Bil Koonar	Director at the John Volken Foundation	Would love to be involved in a clinical trial and believes that their patients would be interested	
John Wang	MD/PhD Professor, Westport Anesthesia / Missouri Endowed Chair for Research Department(s) of Anesthesiology, Biomedical Sciences UMKC School of Medicine	 Preventing relapse and overdose is the primary challenge to treating cocaine overdose Would welcome a new treatment even if it did include a simple surgery 	
Denise Connelly	Co-occurring Disorders Program Facilitator at Sheppard Pratt	Current residential treatment center has a minimum of a 20 day stay at \$50k of out of pocket patient expense	



Market Assessment

Within the cocaine abuse treatment market, there are no FDA approved treatments and those that are being considered, outside of AddGraft Therapeutics, have potential for severe health complications and compliance issues







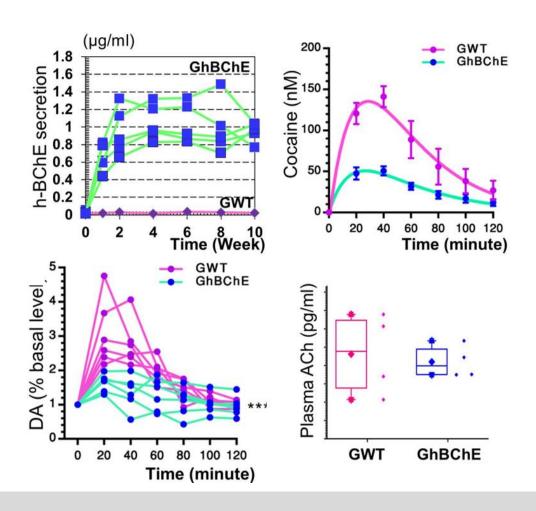




	Behavioral Therapy	Enzyme Injection	Small Molecule Inhibitors	AAV8 Gene Therapy	Skin Graft Gene Therapy
Frequency	30-90 days	Weekly	Every day	One time	One time
Ease for Patient			•••	• • •	•••
Complication / Toxicity	+	• • •	•••		+
Cost	\$50k+/year	\$100k/year	\$4K/year	>\$100k, one-time	\$60K, one-time

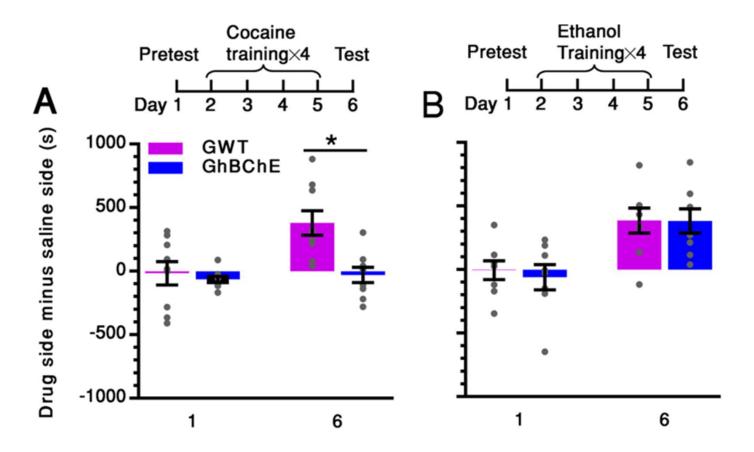


hBChE expression reduces cocaine and DA levels in vivo



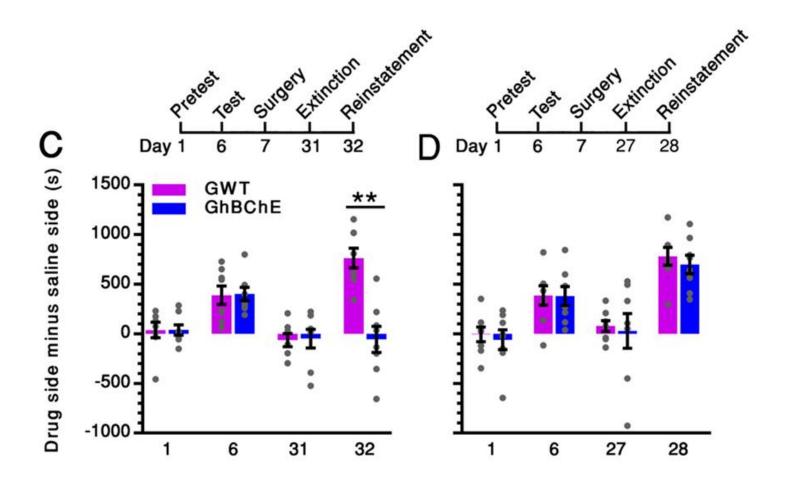


GhBChE mice do not develop cocaine- and do develop normal ethanolinduced reward behavior



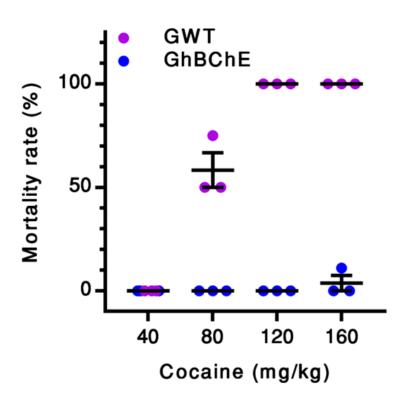


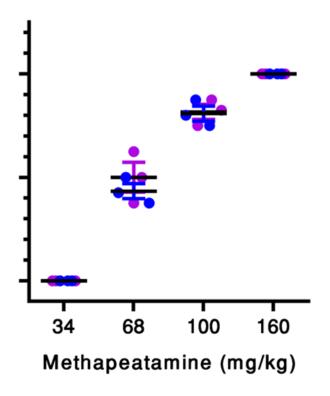
Grafting hBChE cells also attenuates cocaine-induced relapse





GhBChE mice are insensitive to lethal doses of cocaine but not methamphetamine







Alcohol and Cocaine Co-Abuse Data

Epidermal stem cell-derived hBChE and GLP1 protect mice from reward and toxicity induced by co-administration of alcohol and cocaine

