UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 8-K

CURRENT REPORT Pursuant to Section 13 or 15(d) of The Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): September 29, 2021

Rani Therapeutics Holdings, Inc. (Exact name of registrant as specified in its charter)

	(Exact nai		ter)					
	Delaware (State or other jurisdiction of incorporation)	001-40672 (Commission File Number)	86-3114789 (IRS Employer Identification No.)					
	2051 Ringwood Ave San Jose, Californ (Address of principal executiv	ia	95131 (Zip Code)					
	Registrant's telephone number, including area code: (408) 457-3700							
	N/A (Former name or former address, if changed since last report.)							
	(romer m	me or former address, it changes since his repo	,					
	appropriate box below if the Form 8-K filing is in provisions:	ntended to simultaneously satisfy the fili	ng obligation of the registrant under any of the					
	Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)							
	Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)							
	Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))							
	Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))							
ecurities	registered pursuant to Section 12(b) of the Act:							
	Title of each class	Trading Symbol(s)	Name of each exchange on which registered					
Class A	common stock, par value \$0.0001 per share	RANI	The Nasdaq Stock Market LLC					

Indicate by check mark whether the registrant is an emerging growth company as defined in as defined in Rule 405 of the Securities Act of 1933 (§ 230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§ 240.12b-2 of this chapter).

Emerging growth company \boxtimes

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act. \Box

Item 7.01 Regulation FD Disclosure.

Rani Therapeutics Holdings, Inc. (the "Company") is furnishing a copy of an investor presentation (the "Presentation") that the Company intends to use, in whole or in part, during the Company's presentation at the 2021 Cantor Fitzgerald Virtual Global Healthcare Conference on September 30, 2021. The Presentation, including the video content contained therein, can be accessed through the "Investors" section of the Company's website. A copy of the Presentation is furnished as Exhibit 99.1 to this Current Report on Form 8-K and is incorporated by reference herein.

All of the information furnished in this Item 7.01 and Item 9.01 (including Exhibit 99.1) shall not be deemed to be "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, as amended ("Exchange Act"), and shall not be incorporated by reference in any filing under the Securities Act of 1933, as amended, or the Exchange Act, except as shall be expressly set forth by specific reference in such a filing.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits

Exhibit Number Exhibit Description

99.1 Rani Therapeutics Holdings, Inc. Corporate Presentation dated September 2021.

104 Cover Page Interactive Data File (embedded within the Inline XBRL document)

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

Rani Therapeutics Holdings, Inc.

Date: September 29, 2021

By: /s/ Svai Sanford
Svai Sanford
Chief Financial Officer



Forward-Looking Statements

This presentation and the accompanying oral statements contain forward-looking statements. Forward-looking statements are based on information available at the time those statements are made or on management's good faith beliefs and assumptions as of that time with respect to future events, and are subject to risks and uncertainties that could cause actual performance or results to differ materially from those expressed in, or suggested by, the forward-looking statements. In light of these risks and uncertainties, the forward-looking events and circumstances discussed in this presentation and the accompanying oral statements may not occur and actual results could differ materially from those anticipated or implied in the forward-looking statements. These risks and uncertainties include Rani Therapeutics Holdings, Inc.'s ("Rani," "we," "us," or "our") future financial performance, including our expectations regarding our revenues, cost of revenues, operating expenses, and our ability to achieve and maintain future profitability, those risks inherent in the preclinical and clinical development process and the regulatory approval process, the risks and uncertainties in commercialization and gaining market acceptance, the risks associated with protecting and defending our patents or other proprietary rights, the risk that our proprietary rights may be insufficient to protect our product candidates, the risk that we will be unable to obtain necessary capital when needed on acceptable terms or at all, competition from other products or procedures, our reliance on third-parties to conduct our clinical and non-clinical trials, our reliance on single-source third-party suppliers to manufacture clinical, non-clinical and any future commercial supplies of our product candidates, our ability to continue to scale and optimize our manufacturing processes by expanding our use of automation, our expectations regarding the period during which we qualify as an emerging growth company under the JOBS Act, the extent and duration o

Trade names, trademarks and service marks of other companies appearing in this presentation are the property of their respective owners. Solely for convenience, the trademarks and trade names referred to in this presentation appear without the ® and ™ symbols, but those references are not intended to indicate, in any way, that we will not assert, to the fullest extent under applicable law, our rights, or the right of the applicable licensor to these trademarks and tradenames.

Forward-looking statements are inherently subject to risks and uncertainties, some of which cannot be predicted or quantified. In some cases, you can identify forward-looking statements by terminology such as "anticipate," "believe," "contemplate," "continue," "could," "estimate," "expect," "intend," "may," "plan," "potential," "predict," "project," "should," "target," "will" or "would," or the negative of these terms or other comparable terminology. You should not put undue reliance on any forward-looking statements. Forward-looking statements should not be read as a guarantee of future performance or results, and will not necessarily be accurate indications of the times at, or by, which such performance or results will be achieved, if at all. Except as required by law, Rani does not undertake any obligation to publicly update or revise any forward-looking statement, whether as a result of new information, future developments or otherwise.

The information provided herein is provided to you on the condition that you agree that you will hold it in strict confidence and not reproduce it or disclose it to any third party in whole or in part. This presentation and the accompanying oral presentation also contain statistical data, estimates and forecasts that are based on independent industry publications or other publicly available information, as well as other information based on our internal sources. This information involves many assumptions and limitations, and you are cautioned not to give undue weight to such information. We have not independently verified the accuracy or completeness of the information nor down undertake to update such information after the date of this presentation.



Today's Presenters



Talat Imran CEO



Mir Hashim CSO



Corporate Summary

- · Converting injectable biologics into pills
- \$56BN+ initial market opportunity1 targeting multiple markets across multiple diseases
- 5 internal development programs
 - Initiation of at least two Phase 1 trials expected in 2022; Repeat-dose study expected in 2022
- Octreotide Phase 1 completed supporting platform safety, tolerability and bioavailability
- Established IP portfolio with 270+ patents filed and 160+ issued/allowed as of 3/24/21



 1 Includes all indications for TNF α inhibitors. Estimated cumulative addressable market for key identified pipeline candidates (octreotide, TNF α antibody, insulin, GLP-1, parathyroid hormone and human growth hormone) per third-party market analyses



Patients Prefer Pills

88%

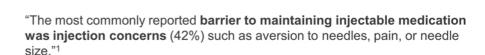
of RA patients would prefer a daily pill to a bi-weekly injection of Humira

38%

of diabetics miss 4+ injections per week

Frost & Sullivan research report commissioned by Rani





"Patients initiating treatment with glucagon-like peptide-1 receptor agonists (GLP-1RAs) had a 71% higher discontinuation rate in the first 6 months

compared with those initiating saxagliptin (oral DPP-4 therapy)"1

"The majority of patients (79%) would prefer a twice-daily oral tablet than an injection or IV infusion (for rheumatoid arthritis)"2

"Optimal adherence differed significantly between oral and injectable (93% vs 76%, p< 0.001)"3

- ² https://www.valueinhealthjournal.com/article/S1098-3015(13)03426-8/pdf

 ³ https://onlinelibrary.ectrims-congress.eu/ectrims/2017/ACTRIMS-ECTRIMS2017/199728/jonathan.roux.adherence.to.oral.versus.injectable.diseasemodifying.therapies.html#:~:text=Mean%20MPR%20was%20higher%20for,%25%2C%20p%3C%200.001),

Rani's Technology





Rani's Development Approach

Designed for Minimal Discomfort

No small intestine pain receptors

· Absorption similar to injections

Upon Deployment

Agnostic to payload

Designed to accommodate peptides, proteins and antibodies

Strong patent position

Covering both the platform and drugs in combination with the platform

· Scalable design

For low cost, high volume manufacturing



The RaniPill capsule is similar in size to a fish oil or calcium pill



Development Pipeline

	INDICATION(S)	FORMULATION	PRE-CLINICAL	PHASE 1	PHASE 2	PHASE 3	NEXT EXPECTED MILESTONE
CORE PROGI	RAMS						
RT-101	NETs / Acromegaly*	Octreotide					Repeat Dose Platform Study in 2022
RT-105	Psoriatic Arthritis	Anti TNF-α Antib	ody				Initiate Phase 1 in 2023***
RT-102	Osteoporosis	РТН-ОР					Initiate Phase 1 in 2022***
RT-109**	GH Deficiency	hGH					Initiate Phase 1 in 2022***
RT-110	Hypo-parathyroidism	РТН-Нуро					Initiate Phase 1 in 2023***
COLLABORATION OPPORTUNITIES							
RT-103	T2 Diabetes	GLP-1 Mimetic					
RT-106	T2 Diabetes	Basal Insulin					



RT-XXX refers to the RaniPill capsule containing a biologic in a proprietary Rani formulation * Each of these indications will require separate trials ** CCHN will have limited opportunity to negotiate for rights within China ***To follow submission and clearance of IND



Preclinical & Clinical Experience

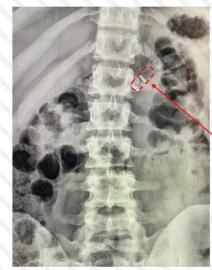
- Preclinical 10 molecules assessed
 - 4 antibodies, 5 peptides, 1 large protein
 - Awake dogs, anesthetized juvenile pigs
 - Single and repeat-dose studies
 - · No serious adverse events observed to date
 - High bioavailability, comparable to parenteral injections
- Clinical 3 molecules assessed, 5 human clinical studies in healthy volunteers
 - RaniPill™ platform-only study
 - Phase I study with RaniPill and biologic (octreotide)
 - 3 studies simulating Rani delivery via Endoscopic intrajejunal injections
 - 2 peptides,1 antibody
 - · No serious adverse events observed to date
 - · High bioavailability, comparable to injections



Safety and Tolerability Study of RaniPill Platform in Humans

- Study conducted in 2018
- · RaniPill device tracked by X-ray imaging
- · RaniPill device without a needle in fasted and fed groups
 - N=10 per group
- No food effect observed on device functionality
- · RaniPill was well-tolerated by all subjects
- · No serious adverse events were reported
- · Met all safety endpoints
 - Ability to swallow
 - No sensation upon deployment
 - Ability to pass capsule remnants

X-Ray Image of Intact RaniPill



Radiopaque Marker within Device



RaniPill Repeat Administration Canine Study

Study Overview

Objective:

Evaluate safety and tolerability of once-daily 7 day repeat oral administration of the RaniPill capsule

Animal Model:

Male and female beagles naïve to all drugs

Study Groups:

Test Group:

Orally administered RaniPill capsule, containing octreotide, once a day for 7 days, followed by a 7 day wash-out period; n = 8 (4 males, 4 females)

Control Group:

Orally administered enteric coated size 000 capsule, containing sugar once a day for 7 days, followed by a 7 day wash-out period; n = 4 (2 males, 2 females)

Histopathology

Animals necropsied at end of the study:

Postmortem examination (excluding brain) was performed in 12 dogs (Test = 8, Control = 4) on Day 14 ± 1

Samples of small intestine from each animal (duodenum n = 1, jejunum n = 3, ileum n = 1) were collected for histopathological evaluation

Histological evaluation included an assessment and semi-quantitative scoring of lesions such as inflammation, hemorrhage, necrosis and fibrosis/fibroplasia

Summary

The RaniPill capsules were well-tolerated in all animals

No significant gastrointestinal abnormalities were associated with oral administration of the RaniPill capsule

No clinically adverse observations were noted



Phase I Study with the RaniPill Containing Octreotide

COMPLETED	Q4 2019	
Subjects	Healthy men and women, aged 18-55 years	
Design	Open label, single center (Australia)	
Test Articles	RaniPill Devices: 3 versions with incremental balloon sizes, each containing 100 μg of octreotide	
1 Control Arm (N=6)	IV Injection of 100 μg of octreotide (Sandostatin®)	
3 Treatment Arms (N=52)	3 cohorts of RaniPill devices with incrementally sized balloons	
Primary Endpoints	Safety and Tolerability of the RaniPill capsule	
Secondary Endpoint	Bioavailability of octreotide delivered via the RaniPill capsule	

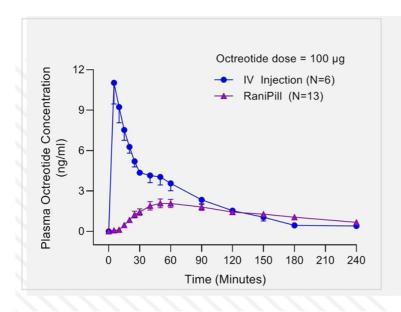


Phase I Primary Endpoints: Safety and Tolerability

- Octreotide-RP capsule was well-tolerated by all subjects
- No subject had difficulty swallowing the capsule
- · Capsule remnants passed out in all subjects
- · No serious adverse events noted in the study



Pharmacokinetic Data: RT-101 Phase I Study

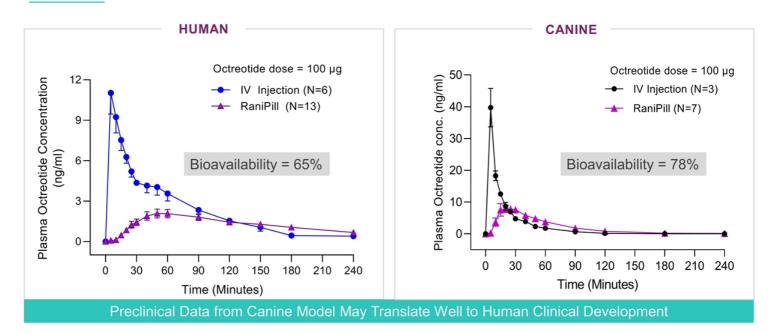


Bioavailability = 65%

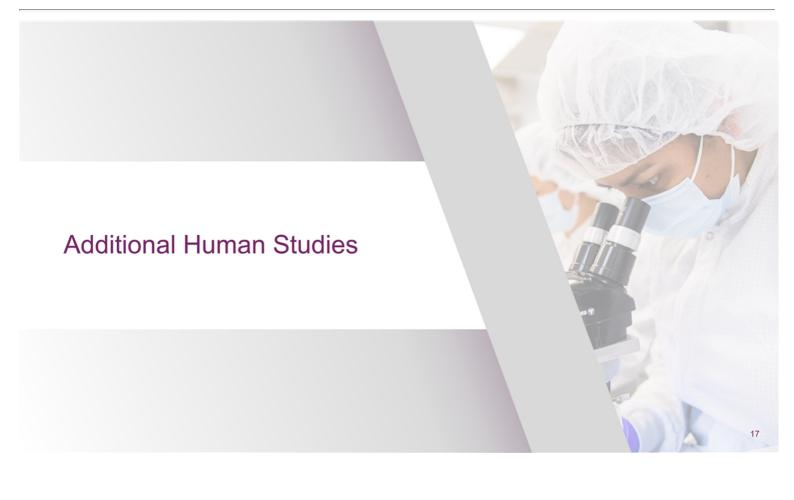
RaniPill delivered Octreotide
with high bioavailability



Canine Model Could Be Predictive of Human PK Data

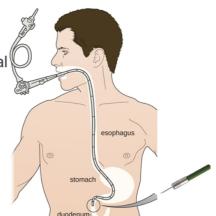






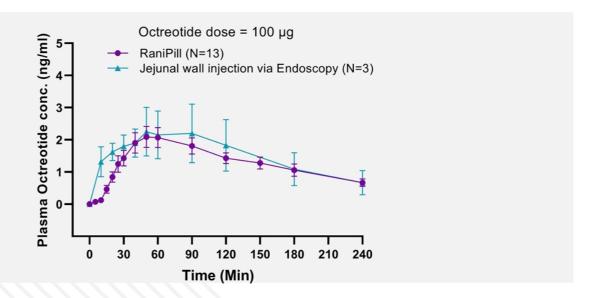
Endoscopic Intrajejunal Administration in Humans

- Objective: to obtain an early read on the PK profile via Rani route in humans
- Methods: Using an endoscopic approach, an approved drug (commercial formulation) is injected into the jejunal wall (IJ route) to mimic the Rani route of administration
- · We have determined PK of three drugs in these type of studies
 - Sandostatin (octreotide)
 - Byetta (exenatide)
 - Humira (adalimumab)





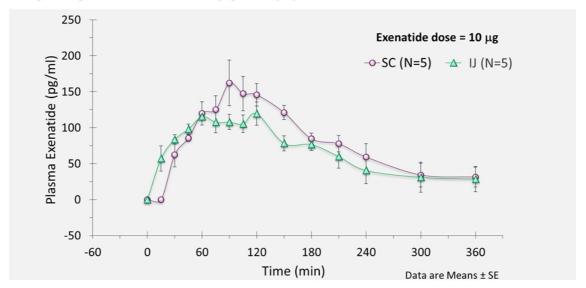
PK Data of Octreotide with Endoscopic Injections vs. Oral RaniPill





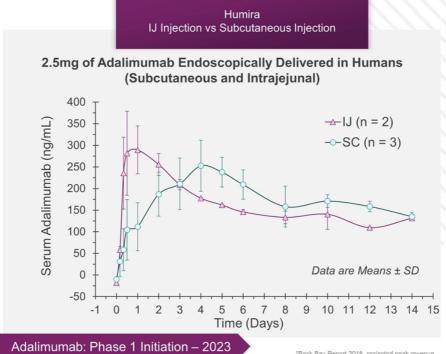
Endoscopic Intrajejunal Administration of Exenatide (GLP-1 Analog) in Humans

PK in Healthy Subjects - SC vs. Intrajejunal (IJ)





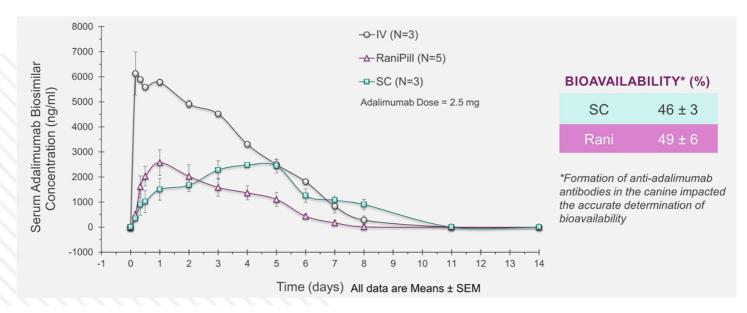
Endoscopic Intrajejunal Administration of Anti TNF-α Antibody in Humans







PK of Oral Adalimumab Biosimilar in Awake Dogs





RT-110/102 - PTH (Teriparatide)

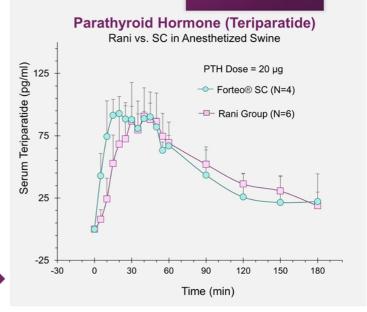
- · Used in two indications:
 - Osteoporosis (OP) and
 - Hypoparathyroidism (Hypo) (rare disease)
- · Must be injected daily
- PTH Market has been stable at ~\$2.0B
 - Affects ~10M adult patients in the United States
 - Prevalence increasing due to aging population
 - An oral Teriparatide could dramatically increase the market
 - Teriparatide-based long-acting product demonstrated to be superior (Ascendis). Rani is working to create an oral form
 - Potential multi-billion global market

PTH-OP: Phase 1 Initiation – 2022

PTH-Hypo: 2023

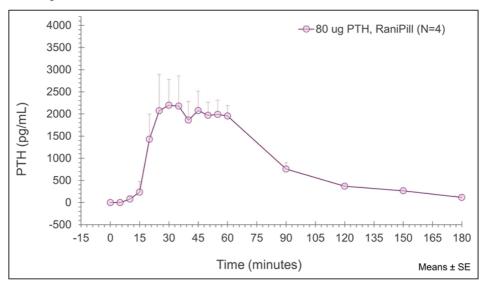


Estimated Combined Peak Sales: ~\$1.4B*



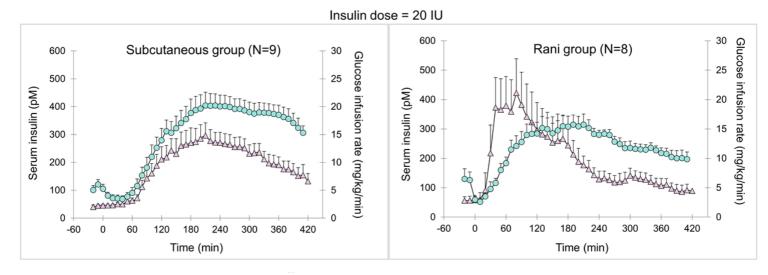
PK of Oral Teriparatide at 80 µg in Awake dogs

Early Preclinical Data





Insulin PK/PD in Juvenile Swine



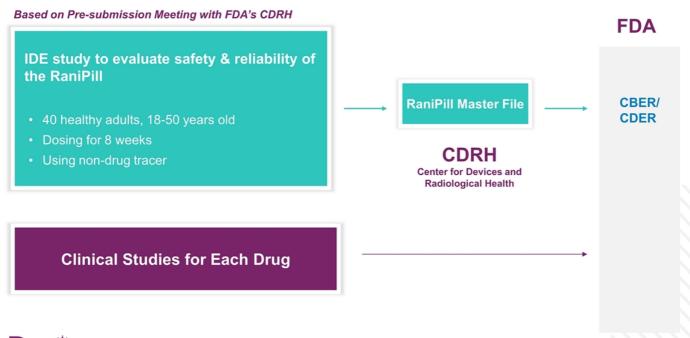


--- Glucose infusion rate





Regulatory Strategy





Key Near Term Milestones

DEVELOPMENT PROGRAM	DEVELOPMENT PROGRAM INDICATION		PLANNED TIMING*
RT-101	NETs / Acromegaly	Repeat Dose Platform Study	2022
RT-102	Osteoporosis	Initiate Phase 1 Clinical Trial	2022
RT-109	GH Deficiency	Initiate Phase 1 Clinical Trial	2022
RT-105	Psoriatic Arthritis	Initiate Phase 1 Clinical Trial	2023
RT-110	Hypo-parathyroidism	Initiate Phase 1 Clinical Trial	2023



*Timelines are subject to regulatory agencies submission and clearance

