Pioneering personalized medicine in epigenetics

ORYZON

JUNTA GENERAL DE ACCIONISTAS MADX: ORY 29 de Junio de 2022

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An Epigenetic champion determined to bring new therapies to the patients

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for the global economy

Adapting to an increasingly adverse market condition

Securing additional Funds to guarantee operations



Clinical Data

With multiple complementary resources we expect to extend our runway till 1Q2024.

- Focus is now execution and setting an optimal long-run corporate strategy reinforcing the BD angle.
- The company continues its preps to get listed in NASDAQ:
 - $\circ \quad \text{Legal disclosures}$
 - o Account conciliation to US-GAAP
 - Resolutions of GSM to issue ADRs

	Clinical Data								
Milestone		2022			2023				
		Q1'22	Q2'22	Q3'22	Q4'22	Q1'23	Q2'23	Q3'23	Q4'23
in CNS	PORTICO: Phase IIb in Borderline Personality Disorder		Safety A	analysis	Interim	analysis (n=90)		Safety & E	fficacy FINAL DATA
VAFIDEMSTAT	HOPE: Phase I/II in Kabuki Syndrome type 1			IND approv				Safe	ty & Efficacy DATA
VAFIDE	EVOLUTION: Phase IIb in SCZ Neg and Cog Symtoms								
gy	FRIDA: Phase Ib in R/R AML FLT3+								
ncolgy		IND a	pprov		ASH: Saf	ety	EHA: Safety	& Efficacy	ASH: Safety
IADADEMSTAT in On	STELLAR: Phase I/II in 1L ED-SCLC				IND appro	ov.		ESMO: Safe	& Efficacy
	NET: Phase I/II Basket trial in NETs in combo			IND approv				ESMO: Safety & E	fficacy
	ALICE:Phase IIa in Elder/Unfit 1L AML				ASH FINAL	DATA			



ORYZON has an ambitious epigenetic program in Oncology

IADADEMSTAT A Phase II LSD1 inhibitor in Oncology



Orphan Drug Designation granted for AML and SCLC

Iadademstat: first and potentially best-in-class LSD1 inhibitor in AML

The asset

• The most potent (nM) oral inhibitor of the lysine histone demethylase LSD1 in clinical development



<u>2</u>0080

Comprehensive in Vitro Characterization of the LSD1 Small Molecule Inhibitor Class in Oncology

Published as part of the ACS Pharmacology & Translational Science special issue "Epigenetics 2022".

Natalia Sacilotto, $^{\perp}$ Paola Dessanti, $^{\perp}$ Michele M. P. Lufino, Alberto Ortega, Alejandra Rodríguez-Gimeno, Jordi Salas, Tamara Maes, Carlos Buesa, Cristina Mascaró, * and Robert Soliva*

Cite This: ACS Pharmacol. Transl. Sci. 2021, 4, 1818–1834 Read Onl

, 4, 1818–1834 🐼 Read Online

Mechanism of Action

- LSD1 is required for leukemic stem cell survival and blocking leukemic cell differentiation
- ladademstat prevents leukemic stem cell survival and promotes rapid differentiation/death of leukemia cells





ALICE, an AML Phase II trial with LSD1i in combination with azacitidine in unfit patients

- Multicenter, single arm & open label study
- 36 patients enrolled (LPI 10/2021)
- Primary endpoint: Safety and tolerability of the combo
- Secondary endpoints: Response; time to response; duration of response; overall survival

6

Corporate Strategy: a Phase Ib trial in R/R AML as a foundation stone for an accelerated development



FRIDA: A Phase Ib in FLT3 mut+ R/R AML patients combining iadademstat and gilteritinib (Xospata®)

(B-E) In vitro synergistic effects combining iadademstat with gilteritinib in AML cell lines (Company internal data)



- R/R AML is an underserved population: Majority of AML patients relapse after 1L treatment and require further treatment. FLT3 is the most common mutation in AML (30-40%)
- 2L R/R FLT3mut+ patients are now treated with gilteritinib, yet it remains a subpopulation with high medical need (mEFS 2.8 months & CR+CRi 34%)
- FRIDA, a strong rationale: High preclinical synergy observed in vitro between iadademstat and gilteritinib
 - Primary objectives: evaluate safety/tolerability, and determine the RP2D of the combination
 - Secondary objective: evaluate efficacy of the combination (CR rate, DoR, MRD)
 - Up to 50 patients
 - IND approved March 2022 / FPI 2H2022
 - Agreement with FDA to discuss next steps for pivotal trial development after this Phase Ib

A Market opportunity



Nature Reviews Drug Discovery 19, 507-508 (2020)

Nature Reviews | Drug Discovery



A Phase Ib/II study of iadademstat in combination with synergistic agents in platinum R/R SCLC and extrapulmonary high grade neuroendocrine carcinomas

- Label expansion opportunity
- High unmet medical need: Treatment of platinum relapsed (<6 mos)
- Low hanging fruit: NETs has dismal outcomes ranging from ORR 5% (extrapulmonary) to ~20-30% in SCLC; and PFS 3 to 4 months respectively
- Strong rationale for combination of iadademstat with nonTCP-inducing synergistic agents in several tumors
- IND submission 2H2022 / FPI 2H2022



STELLAR: a future Phase Ib/II trial in 1L ED-SCLC with potential for accelerated development





TEMPLE HEALTH

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STELLAR:
A randomized controlled Phase Ib/II study
of iadademstat plus a checkpoint inhibitor
in 1L patients with metastatic SCLC
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 High unmet medical need and a relative low bar for improving efficacy due to the modest efficacy improvements (2 months OS increment with recent approval of ICI in combo with chemotherapy) shown in the IMPower-133, CASPIAN and Keynote-604 trials in 1L SCLC

STELLAR can potentially support an accelerated approval if a significant clinical benefit in the population is demonstrated over the efficacy of SoC treatment



ORYZON, the only company developing epigenetic drugs in CNS

VAFIDEMSTAT A Phase II LSD1 inhibitor for CNS diseases

CNS disorders: a field evolving towards Precision Medicine

LSD1 is key for the function of the CNS and is involved in multifactorial CNS disorders and monogenic syndromes

Large multifactorial indications

- Unknown origins
- Still diagnosed by predominant symptoms
- Confounding comorbidities
- May include genetically better defined subpopulations
- Large market opportunities



Small/rare monogenic indications

- Molecular diagnosis
- Allows smart drug design based on MoA
- Fast Market Approval conceivable
- Small markets but premium price
- May expand label to similar indications

Vafidemstat may be developed in both indications based on different formulations and commercial channels



Vafidemstat: an LSD1 inhibitor to treat large multifactorial CNS indications including borderline personality disorder (BPD) and schizophrenia (SCZ)

The Asset

•

A potent (nM) oral inhibitor of the lysine histone demethylase LSD1 with high BBB penetration, optimized for CNS disorders FiM: 110 volunteers: 87 treated with vafidemstat and 23 with placebo



A Proof of Concept (REIMAGINE)



Overall improvement in BPDCL scale to diagnosis threshold level Supporting general treatment of the disease

28th European Congress of Psychiatry, EPA 2020

Key Clinical Data

- +300 subjects treated with vafidemstat
- Safety and effectiveness demonstrated as a single agent
- REIMAGINE trial (basket trial in BPD, ASD and ADHD).
 - Statistically significant improvements in aggression in each of the three disease groups, as well as in aggregate
 - Improvements also observed in overall patient functioning, particularly in BPD patients

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Borderline personality disorder: a snapshot

A Prevalent & impairing disease

9 million in US & EU



Expected Market Value in 2027

US\$ ~3 billion



Two main types of symptoms Unstable-extreme interpersonal relationships

Aggression & self-aggression



Highest Revenue Drug Category: Anti-psychotics followed by antidepressants

Aggregated sells: ~ 1 Billion

No approved drugs yet Patients in off-label antipsychotics



Vafi improves these symptoms in PC models

Very low competition O Phase III trials 2 Phase II trials



PORTICO:

An adaptative randomized double blind Phase IIb trial with vafidemstat in Borderline Personality Disorder patients



- BPD is a serious psychiatric condition affecting 1.6% in the general population. Prevalence is 9 million people in US and EU
- BPD patients often experience emotional instability, impulsivity, irrational beliefs and distorted perception, and intense but unstable relationships with others
- High unmet need: no drugs specifically approved for BPD. 1.4 million patients in US are being treated with off-label anti-psychotics
- **PORTICO** will enroll approximately 156 patients
- Two primary independent endpoints:
 - Overall clinical BPD improvement, and
 - Improvement in aggression
- Actively enrolling in EU and US

An interim analysis (90 patients) is anticipated by the 4Q2022-1Q2023. Assuming current accrual expects:

Final read out 4Q 2023



EVOLUTION: An adaptative randomized double blind Phase IIb trial with vafidemstat in schizophrenia patients

- Prevalence SCZ and related psychotic disorders in the US range between 0.25% and 0.64%. Prevalence is around 5 million people in US and EU
- SCZ patients experience: *Psychotic symptoms* including hallucinations, delusions, abnormal thinking and disorganized speech; *Negative symptoms* include loss of motivation, disinterest or lack of enjoyment in daily activities, social withdrawal and difficulty showing emotions. Cognitive symptoms include problems in attention, concentration, and memory
- No current approved treatments for the cognitive impairment or the negative symptoms of SCZ
- LSD1i restores phenotypes in various SCZ mice models



- Vafidemstat as add-on to SoC. 6 months of treatment
- Primary endpoints: efficacy to address SCZ Negative and cognitive symptoms
- Actively recruiting patients in EU



20 millio ww.

Market Value in 2021

US\$ ~8 billion

Highest Revenue Drug Category: long-acting injectable (LAI) antipsychotics

Single Best seller:

+ \$ 3 Billion



No approved drugs yet for Negative symptoms (60%) **Cognitive Impairment (70%)**



Vafi improves these ptoms in PC models

Moderate competition **14 Phase III trials 12 Phase II trials**





ORYZON is pioneering personalized medicine in CNS

VAFIDEMSTAT A Phase II LSD1 inhibitor for CNS diseases KABUKI syndrome a possible fast Route to Market

- Initial clinical development program focused on new study HOPE for patients with Kabuki syndrome (KS) type1 with possible registration merits
- Approx. 6,000+ pts with KS type 1 will be eligible for HOPE, with a significant market potential. Application to larger pediatric population to follow rapidly as safety and efficacy are demonstrated.
- Additional well-established genetically-defined diseases emerging as possible label extensions

LSD1i rescued neurogenesis defects in hippocampus of Kmt2d^{+/βGeo} mice +/+ +/βGeo



•Modified from Zhang et al, Molecular Therapy: Methods & Clinical Development, Vol. 20, 779-791 (March 2021)

A Proof of Concept





In pre-IND discussions with the FDA



HOPE: An adaptative randomized double blind Phase I/II trial with vafidemstat in KS Type 1 patients

- KS is a congenital, rare, multisystem disorder characterized by multiple multiorganic abnormalities including intellectual disability
- Strong preclinical rationale exist for inhibiting LSD1 in KS
- Phase Ib objectives: evaluate safety/tolerability, and determine the RP2D
- Phase II objective: evaluate efficacy of vafidemstat at the RP2D in KS Type1 patients
- ~50 patients
- IND 2H2022 /FPI 2H2022
- Recruitment expected in 12-15 months



Trans-Atlantic management team with proven drug development and operational capabilities



Molecular Biologist, entrepreneur and founder of Oryzon and Board Former Director of 6 biotech companies. Former Director of INVEREADY SEED CAPITAL and of INVEREADY BIOTECH MD from Harvard. PhD fromDr. IMIT. Professor HarvardClinMed, Brigham&Womens,at NBoston Children's, Dana-PreventionFarber. Founder andGMDirector of BostonStageUniversity Cancer Center.AlzhGrunebaum Professor forClinCancer Research. FounderNeutand CMO of several publicBiotech Companies. Exec.Medical Director atStage

Takeda Pharmaceuticals.

 Dr. Ropacki held a SVP of Clinical Development role at MedAvante-ProPhase.
 Previously he served as GMA Leader, Head of Late-Stage Development for Alzheimer's, and as a Dir of Clinical Development in Neurosciences, at Janssen

PhD from Oxford, UK. Visiting Scientist at CSHL, NY. Investment executive with 15+ years of buyand sell-side experience in healthcare & finance industries. Managed public & private investments totaling more than \$1B. Portfolio Manager at AIG. Immunologist. Postdocs at Burnham Institute and Genentech. 20 years industry experience at Puleva Biotech SA as Head of the Immunology Department and at Palau Pharma SA as CSO. Since 2021 he serves as CSO at Oryzon

Molecular Biologist. Scientist at DFCI. 16 years biotech/pharma experience in drug development with GMA and leadership management positions in Oncology at Amgen, Millennium, Takeda and Deciphera Pharmacist with 20+ years of experience in the clinical research and operations area at international pharma and biotech companies (Synthelabo, Pharmacia-Upjohn, Sanofi, Lundbeck and Regeneron), on the fields of psychiatry, neurology, pain and oncology



ORYZON Research and Clinical Deveelopment leverages on collaborations with prestigious international Institutions



Unprecedented systemic crisis

- Covid-19 Pandemics and Omicron waves
- Supply chains disruptions
- Energy Price
- \circ Inflation rates
- \circ Slower growth
- **o** ECB/FED rate hikes
- \circ War in Ukraine
- $\circ~$ Food / Cereal Crisis





Biotech Traded Up Last Week

The XBI closed at 71.2 on Friday (unchanged from a week ago). In contrast, Torreya's comprehensive measure of the aggregate value of biotech was up 4.1% - impacted by change in Turning Point's value.



was +2.5% for the week (higher than the XBI).

** Drop by enterprise value. The market cap equivalent is -40% for the year.

Source: S&P Capital IQ, Google and Torreya analysis 11



BTIG Healthcare ECM Dashboard: June 17, 2022



In a very adverse market, Oryzon has performed better than its US peers in Nasdaq





BBC US Equity - The Bioshares Biotechnology Clinical Trials Index (Nasdaq: BBC) comprised solely of pure-play biotechnology companies with an asset in Phase 1 to Phase 3 clinical trials and is therefore representative of the performance of the biotechnology companies with no approved products. Most biotechnology indexes include non-biotech companies and are dominated by large companies with approved products. The BBC should also reflect the volatility of clinical-stage companies, which is typically greater than those with approved products.

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- Good progress of the clinical programs with positive results
- Good regulatory news with
 FDA approvals of ODD and
 INDs
- Intense communication
 campaign in the media in Spain
- Intense Relation with
 International investors
- A careful cash consumption



(Oryzon) fármaco huérfano para la FDA Ya había sido designado como tal por parte de la Agencia Europea del Medicamento Los últimos avances de Oryzon Genomics

El CEO y fundador de la compañía, Carlos Buesa, nos cuenta las investigaciones que tiene en marcha sobre una molécula que está dando unos resultados esperanzadores para diferentes patologías. También repasamos la marcha de la biotec en los mercados.



As a consequence of an intense international IR campaign, a relevant part of the daily trading is originated internationally



	Last 12 Months*					
1	MSCO	7,055,316	39.3%			
2	MLCO	3,437,559	19.2%			
3	GVC	2,585,623	14.4%			
4	BCAP	1,440,760	8.0%			
5	UBS	929 <mark>,</mark> 816	5.2%			
6	GS	674,414	3.8%			
7	JPMS	361,932	2.0%			
8	FIDE	289,467	1.6%			
9	SANT	243,788	1.4%			
10	INCA	217,810	1.2%			



 \ast Charts only display top 10 brokers; as of 05/02/2022







- The company has invested €1.3 Million in 2021 in
 - Legal Preps for the disclosures needed to list the company in Nasdaq
 - Auditing Preps to reconciliate the Spanish GAAPs with the US-GAAPs (PCOBs)
- Today in this GSM, we propose to authorize the Board to issue
 ADS (American Depositary Shares) securities to list in Nasdaq
- With these preps the company is ready to list in Nasdaq when the appropriate market conditions occur



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A unique dual EPIGENETIC proposition in CNS and ONCOLOGY

- A validated approach with multiple shots on goal
- One and only epigenetic company in CNS
- 2 Phase II programs
- Differentiated pipeline of first- and potentially best-in-class LSD1 therapies
- Derisked: Safety proven in 400+ subjects dosed

Value Creation in 2022-23

Multiple inflection points

- Final data for 1L AML PoC ALICE
- Read-out Phase IIb in BPD
- Kabuki Syndrome Phase I/II trial start in 2022
- 1L ED-SCLC and 2L AML trials start in 2022 with potential to support accelerated development
- Additional trial initiations in Oncology & CNS



PARTE III

INFORME SOBRE LA MARCHA GENERAL DE LA COMPAÑÍA

HITOS FINANCIEROS

Evolución de la solvencia financiera (2012-2021)



Ο R Y Z O N

Evolución del Balance

2	021		2020		
ΑCTIVO	PASIVO Y PATRIMONIO NETO		ΑCTIVO	PASIVO Y PATRIMONIO NETO	
Inmoviliado intangible (60.254 miles de euros)	Fondos Propios (65.826 miles de euros)	Δ de 1,3 M€ (1,4%)	Inmoviliado intangible (49.216 miles de euros) (49.216 miles de euros) Activos por impuesto diferido (1.803 miles de euros) Exist. y Ctas. por cobrar (2.773 miles de euros)	Fondos Propios (70.523 miles de euros)	
Activos por impuesto diferido (1.812 miles de euros) Exist. y Ctas. por cobrar (3.881 miles de euros)	Subvenciones, donaciones y legados recibidos				
	(5.436 miles de euros) Provisiones a largo plazo (285 miles de euros)		Efectivo y otros activos líquidos equivalentes	Subvenciones, donaciones y legados recibidos (5.408 miles de euros)	
Efectivo y otros activos líquidos equivalentes	Deudas a largo plazo (13.354 miles de euros)		(39.605 miles de euros)	Deudas a largo plazo (8.680 miles de euros)	
(28.725 miles de euros)	Pasivos por impuesto diferido (1.812 miles de euros)			Pasivos por impuesto diferido (1.803 miles de euros)	
	Deudas a corto plazo (4.306 miles de euros)			Deudas a corto plazo (4.854 miles de euros)	
	Cuentas por pagar (3.518 miles de euros) Periodificaciones a corto plazo (847 miles de euros)		Nota: estructura basada en valores absolutos	Cuentas por pagar (2.839 miles de euros)	



JGA – 29 de junio de 2022

INGRESOS	Resultado 2021	Resultado Actividades No Recurrentes 2021	Resultado Actividades Ordinarias 2021	Resultado 2020	Variación
Ingresos por Subvenciones	168	-	168	100	68
Ingresos por capitalización	10.615	-	10.615	9.521	1.094
GASTOS					
I&D	-9.676	967 -	-8.709	-7.666	-1.043
Personal	-3.782	-	-3.782	-3.540	-242
Gastos Generales	-4.188	1.309	-2.879	-2.558	-321
Amortización	-148	<u> </u>	-148	-150	2
Financieros	-169	-	-169	-485	316
Impuesto Sociedades	2.493	-	2.493	1.379	1.114
RESULTADO NETO	-4.687	2.276	-2.411	-3.399	988

Inversión I+D (capitalizado + No capitalizado) + 3,1 ORY 1001- ladademstat + 4,7 ORY 2001- Vafidemstat + 1,0 ORY 2001- Vafidemstat (ESCAPE) + 0,9 ORY 3001 y Otras act. en fases tempranas

Actividades de desarrollo no capitalizada para contribuir en la lucha contra COVID-19 en el ensayo clínico ESCAPE

Coste preparación salida NASDAQ (actividades jurídicas preparatorias de cumplimiento regulatorio y auditorias bajo normativa PCAOB)

Diferencias de cambio de B^o neto generado por los cambios de cotización del USD sobre los saldos bancarios

Mayor Cash back por deducciones fiscales I+D en el Impuesto sobre sociedades respecto a 2020

Nota: Información expresada en Miles de Euros.



PATRIMONIO NETO A 31.12.2020	75.931
Resultado del ejercicio	-4.687
Subvenciones (Neto de efecto fiscal)	28
Otras variaciones del patrimonio neto	-10

PATRIMONIO NETO A 31.12.2021

Nota: Información expresada en Miles de Euros.



71.262

	TOTAL	ACTIVIDADES DE EXPLOTACIÓN Y TIPOS DE CAMBIO	ACTIVIDADES DE INVERSIÓN	ACTIVIDADES DE FINANCIACIÓN
TESORERÍA A 31.12.2020	39.605			
Cash In				
Grant Kabuki	847			847
Subvenciones	9			9
Préstamos	7.960			7.960
Desinversión Financiera	43			43
Variaciones de tipo de cambio	348	348		
Cash back	1.297	1.297		
Cash Out				
Préstamos	-3.837			-3.837
CAPEX	-11.767		-11.767	
Costes financieros netos	-253	-253		
Gastos Ordinarios	-5.527	-5.527		
TESORERÍA A 31.12.2021	28.725	-4.135	-11.767	5.022

Nota: Información expresada en Miles de Euros.



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