LIFE SCIENCES

Targeted Therapeutics for:NASH & Crohn's Disease

- Liver Cancer (HCC)
- Thymic Carcinoma & Thymoma

Kunwar Shailubhai, PhD, MBA | CEO & CSO May 2019

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INVESTMENT HIGHLIGHTS



- Lead drug candidates, Foralumab and Milciclib, uniquely target the root cause of diseases with large unmet needs in multibillion dollar markets
- TLSA is undervalued at market cap \$ 100M. High upside market potential for our two de-risked clinical drug candidates in NASH and hepatocellular carcinoma (HCC)
- Drugs have been de-risked through prior Phase II studies proving both safety and efficacy
- Robust and growing IP portfolio covering breakthrough inventions in fully human antibodies & oral and nasal delivery of drugs
- Drugs target the root cause of disease, thereby offering efficacy for all patients in the disease population, as compared to current standard of care which is only effective in a small fraction of the patient population
- NASH is \$35 billion global market
- Liver cancer, a \$1.5 billion market, is underserved by FDA approved drugs which only work in small percentage of patients

EQUITY HIGHLIGHTS



- NASDAQ:TLSA* (also listed on LSE AIM: TILS)
- Price Per ADS: \$6.89**
- 52 Week Trading Range: \$5.00 \$12.17
- Market Cap: ~ \$105 M
- ADS Outstanding: 13.6 M
 - Analyst Coverage: Laidlaw & Company: Price Target \$17 as of April 2018 H.C. Wainright & Co.: Buy Rating on AIM Listed Stock as of May 2018 Stockdale: Buy Rating on AIM Listed Stock as of December 2018

*Equity information as of April 19, 2019

**Each ADS traded on NASDAQ represents 10 ordinary shares traded on LSE AIM

MULTIPLE CATALYSTS UPCOMING



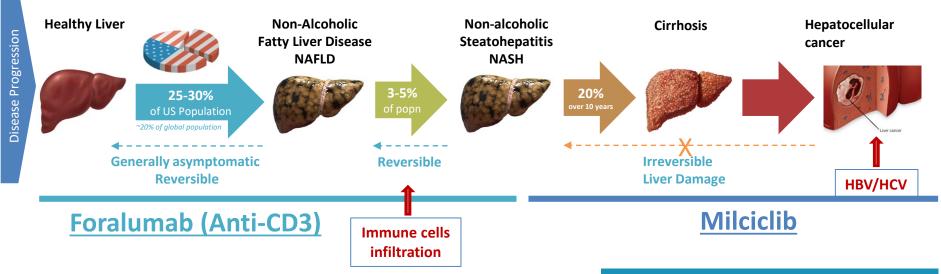
CATALYST	WHEN
Report Phase II Results from Liver Cancer Study with Milciclib	July 2019
Initiate Phase I Oral Dosing of Foralumab in Healthy Volunteers	2H 2019
Report Phase I Oral Dosing of Foralumab in Healthy Volunteers (Safety, Tolerability & Biomarkers of anti-inflammation)	1H 2020
Report Phase I Nasal Dosing of Foralumab in Healthy Volunteers (Safety, Tolerability & Biomarkers neurodegenerative disease)	2H 2019
Initiate Phase IIb Liver Cancer Study of Milciclib in Combination with a TKI	2H 2019
Initiate Phase II in Crohn's disease and NASH with Oral Foralumab	2H 2020

BOTH DRUGS TARGET LIVER DISEASES \$20 B MARKET U.S., \$35 B GLOBAL



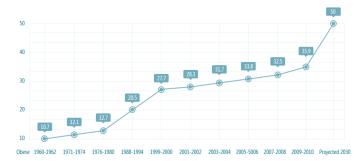
Excessive fat deposit lead to liver inflammation

Inflammatory and fibrotic processes lead to malignancy



- Non-alcoholic fatty liver disease (NAFLD) the most common liver disease, affecting one-third of the Western world, driven by obesity and diabetes epidemic¹
- NASH predicted to become leading cause of liver transplantation in USA by 2020²
- Hepatocellular carcinoma (HCC) is primary cause of obesity-related cancer death in middle-aged men in the USA¹
- No currently approved drugs liver transplant only option for end-stage patients
- Market estimated to reach US \$20.27 bn by 2025 (10.7% CAGR from 2015 to 2025)¹

Prevalence of obesity, US adults aged 20-74



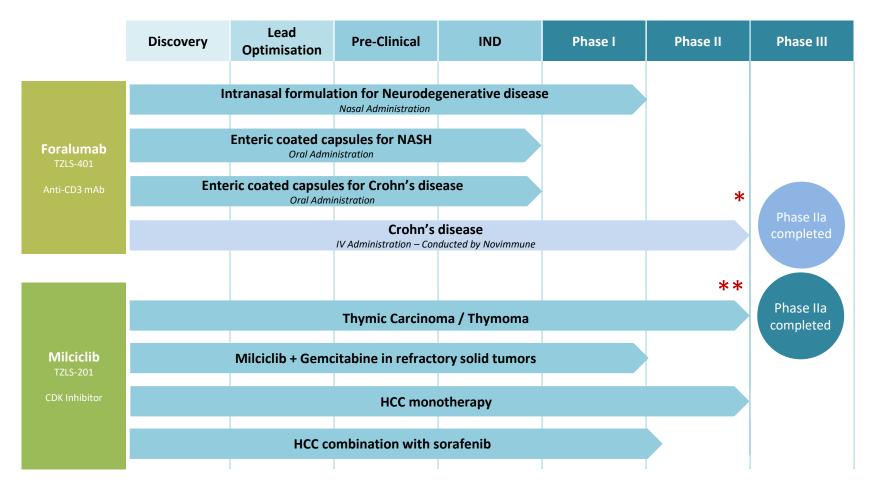
2 Y Ilan. Aliment Pharmacol Ther 44 (11-12), 1168-1182. 2016

3 Wree A, Broderick L, Canbay A, Hoffman HM, Feldstein AE. From NAFLD to NASH to cirrhosis-new insights into disease mechanisms. Nat Rev Gastroenterol Hepatol 2013; 10: 627–36.

¹ Transparency Market Research "Nonalcoholic Steatohepatitis Therapeutics Market - Global Industry Analysis, Size, Share, Growth, Trends, and Forecast 2015 – 2025

CLINICAL DEVELOPMENT PIPELINE



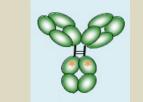


- * The trial in Crohn's Disease (IV administration) conducted by Novimmune produced encouraging clinical response. TILS strategy is to pursue oral administration with foralumab in NASH and CD.
- ** We will seek guidance from regulatory authorities for next steps

TZLS-401: FORALUMAB IS A FULLY HUMAN ANTIBODY USED TO MODULATE IMMUNE RESPONSE VIA MUCOSAL IMMUNE SYSTEM



TZLS-401



Fully human, anti-CD3 monoclonal antibody (mAb) acting locally on mucosal immune cells lining gut and nasal passages to induce tolerance and reduce inflammation systemically

Mechanism	Indications	Opportunity	Competitive Edge	IP/Ownership
 Interacts with immune cells lining the gut and nasal mucosal surfaces to suppress immune response locally and systemically Binds to T cell receptors (TCR complex) inducing immunomodulation and tolerance Non-parenteral administration 	 NASH (oral) Crohn's Disease (oral) Diabetes, Type 1 (oral) Multiple Sclerosis (progressive) (nasal) Autoimmune diseases, e.g. Lupus, arthritis etc. Recent article (Boden et al., In Press) demonstrated that orally administered OKT3, a murine anti- CD3 mAb, reduced gut inflammation in moderate to sever UC patients 	 Novel mode of action (oral and nasal administration) Improved safety compared to parenteral administration Extensive POC in human and animals studies and pre-clinical May be used in combination with anti- IL6-R (TZLS-501) >\$35 billion market 	 First-in-class mode of action. Foralumab acts locally on immune cells lining gut and nasal mucosa Large molecule drugs and mAbs are usually administered by IV or Sub Q (parenteral) Only fully human anti-CDA mAb unlike competitors 	 Exclusive license from Novimmune Compositions and Method of Use patents provide protection to 2025 Combination and formulation patents from TLSA are pending and expected to expire in 2037

TZLS-201: MILCICLIB IS A CELL CYCLE (CYCLIN DEPENDENT KINASE) INHIBITOR FOR TARGETED CANCER THERAPY



TZLS-201

Small molecule, broad spectrum, cell cycle inhibitor targeting aggressive, heterogeneous, solid cancers, especially HCC and thymic cancer

Mechanism	Indications	Opportunity	Competitive Edge	IP/Ownership
 Potent pan-CDK Inhibitor of CDKs 1,2,4,5 and 7 and Src family kinases Arrests cell cycle resulting in tumor cell death and inhibition of tumor growth/spread Targets a root cause of HCC. Reduces levels of miRNAs that control gene expression in HCC and other cancers 	 Hepatocellular carcinoma (HCC) Thymic cancer (orphan) Cholangiocarcinoma Solid cancers 	 Improved safety profile compared to current Standard of Care (SOC) drugs (sorafenib, lenvatinib, regorafenib) Useful as monotherapy or combination therapy (additive/synergistic effect) with SOC drugs Combination with conventional chemotherapy agents >\$1.4 billion global market 	 Reduced toxicity and adverse events compared to SOC drugs Different mechanism of action from SOC drugs (tyrosine protein kinase inhibitors) reducing likelihood of tumor "escape" when used in combination therapy Orally bioavailable 	 Exclusive license from Nerviano Medical Sciences Composition and Method of use in combination patents providing protection to 2030

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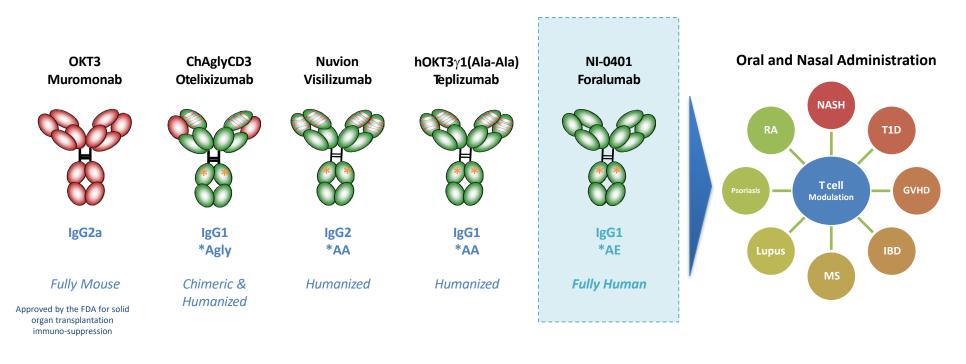
CLINICAL DEVELOPMENT PIPELINE

Foralumab: A fully human anti-CD3 mAb

- Ongoing Phase I trial at Harvard Medical School with healthy volunteers to study safety, tolerability and biomarkers for neurodegenerative disease with an intranasal formulation for nasal delivery (Completing May 29, 2019)
- Upcoming Phase I trial in healthy volunteers to study safety, tolerability and biomarkers for indications in NASH and Crohn's Disease with an enteric coated capsule formulation for oral administration
- Upcoming Phase II trial in Crohn's Disease and NASH with oral administration



CD3-specific monoclonal antibodies in clinical development¹

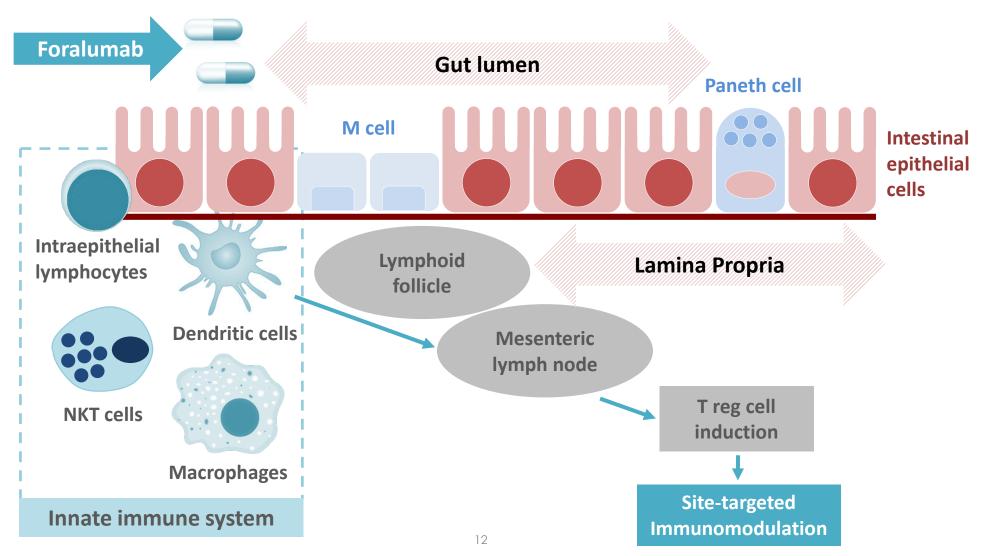


Oral and nasal administration with foralumab could potentially be a <u>game changer</u> to enhance efficacy and reduce toxicity

Source: (1) Therapeutic anti-CD3 monoclonal antibodies: from bench to bedside, Kuhn C, Weiner HL, Immunotherapy, 2016 Jul;8(8):889-906.



A novel method for immune modulation without immune suppression



FIRST PATENT ON ORAL FORMULATION WITH ANTIBODY



Nasal administration of Foralumab

- Successfully developed nasal formulation of foralumab
- Proof-of-concept for nasal administration demonstrated in animal studies
- IND for nasal administration for neurodegenerative diseases with Brigham and Women's Hospital, Harvard University
- In-licensed nasal delivery technology from Brigham and Women's Hospital, Harvard Medical School

Covers foralumab and other mAbs

ANTI-CD3 ANTIBODY FORMULATIONS

Applicant(s): Tiziana Life Sciences PLC

Inventor(s): SHAILUBHAI, Kunwar

US Non-Provisional Patent Application No.:62/380,652, filed August 29, 2017

PCT Application PCT/US2017/049211, filed, Aug 29, 2017

Claims

- Composition of matter of a first oral formulation of the fully human antibody, foralumab comprising an enteric-coated lyophilized capsule with stabilizers and antioxidants to treat autoimmune and inflammatory diseases such as NASH
- General methods for the production of a lyophilized NI-0401/CD3 antibody dosage form for use in oral formulation

PROOF-OF-CONCEPT IN NASH PATIENTS BY ORAL TREATMENT WITH MURINE ANTI-CD3 (OKT3): EFFECTIVE IN A PHASE II TRIAL WITH NASH¹



Study design

- 36 subjects with NASH and type II diabetes
- Randomized, single-blinded
- 9 per group, not powered for statistical significance
- 0.2, 1.0, 5.0 mg or placebo daily for 30 days
- Primary endpoints: safety and trends in immunomodulation
- Secondary endpoint: indication or trend of efficacy through biomarkers
- Follow up: Days 0, 14, 30, 60
- Hadassah Medical Center, Jerusalem Israel

Safety

- No treatmentrelated adverse events
- Safe and well tolerated
- No change in CD3+ lymphocyte count
- Normal blood chemistry and blood cell counts

Immunological

- Increases in Treg markers consistent with induction of Tregs
- Anti-inflammatory markers 个
- CD4+CD25+LAP+ Treg cells ,TGFβ 个

Efficacy biomarkers

- Positive trends, some of which were statistically significant
- AST ↓ liver enzyme indicating reduced liver inflammation
- Glucose ↓ favorable for subjects with type-2 diabetes
- Insulin ↓ favorable for subjects with type-2 diabetes

OKT3 withdrawn from the market due to severe side effects being a murine mAb Foralumab is fully human anti-CD3 mAb

Source: (1) Lalazar, G., Mizrahi, M., Turgeman, I., Adar, T., Ya'Acov, A. B., Shabat, Y., ... Ilan, Y. (2015). Oral Administration of OKT3 MAb to Patients with NASH, Promotes Regulatory T-cell Induction, and Alleviates Insulin Resistance: Results of a Phase IIa Blinded Placebo-Controlled Trial. Journal of Clinical Immunology, 35(4), 399-407.

FORALUMAB IS AS GOOD AS OKT3



Oral Treatment with Foralumab, a fully human anti-CD3 monoclonal antibody, prevents skin xenograft rejection in mice with human immune systems

Mineko Ogura, Songyan Deng, Paula Preston-Hurlburt, Hideki Ogura, Kunwar Shailubhai, Chantal Kuhn, Howard L Weiner, and Kevan C. Herold

Clinical Immunol, 2017. 183: 240-246

Key Findings

- Foralumab is as potent as OKT3
- Oral treatment with foralumab is effective in animal studies
- Mechanism of action is *via* activation of Tregs that systemically circulate to elicit targeted immunomodulation

	Creick Immunity 181 (2017) 248-346
	Contents lists available at ScienceDirect
	Clinical Immunology
12.5	jeurnal homepage: www.elsevier.com/locate/yclim
AntiDody, preton Mineko Ogura ^a , Songyan D Chantal Kuhn ^b , Howard L	ralumab, a fully human anti-CD3 monoclonal (Consume n xenograft rejection in humanized mice ng ² , Paula Preston-Humburt ² , Hideki Ogura ⁴ , Kunwar Shallubhai ⁴ , Weiter ⁴ , Kevan C., Herold ^{4,4,4} Weiter ⁴ , Kurwar C., Herold ^{4,4,4} Weiter ^{4,4,4,4} Weiter ^{4,4,4,4,4} Weiter ^{4,4,4,4,4,4} Weiter ^{4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,}
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A recent article (Boden et al., In Press) demonstrated that orally administered OKT3 showed clinical activity in moderate to severe ulcerative colitis patients

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CLINICAL DEVELOPMENT PIPELINE

Milciclib: A pan-inhibitor of CDKs and Src kinase

- Ongoing Phase IIa trial in liver cancer with milciclib
- Upcoming Phase IIb trial in liver cancer with combination of milciclib and a TKI

Potentially the next-gen Sorafenib/Nexavar with fewer side effects

17

CDK2 CDK4 MILCICLIB CDK5 CDK1

CDK7

Src family kinases

- A novel small molecule with potent anti-tumor activity in a wide range of animal models with remarkably low toxicity
- Inhibitor of a wide range of kinases associated with cancer cell growth including CDK2, CDK1, CDK4 and CDK5 and src-family kinases
- Treatment of cancer cells with milciclib induces reduction in STAT3, MAPK, AKT, YES and S6, effectors of signaling pathways relevant to hepato-carcinogenesis
- Shown to be very well tolerated in over 296 patients, supplied for oral administration – a key issue for patients with underlying liver disease
- Anticipated improved toxicity profile over the current standard of care

MILCICLIB, A SMALL MOLECULAR PAN-INHIBITOR OF CDKS

MILCICLIB INHIBITS MIR221/222 TO SUPPRESS HCC TUMOR GROWTH IN MICE



MR images, control vs. milciclib treated mice, pre-/post-treatment

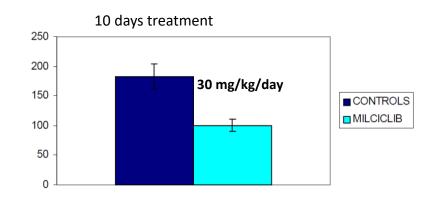
CONTROL MILCICLIB (40mg/kg/day)

PRE

POST

(Day 8)

% tumour growth, pre-/post- treatment



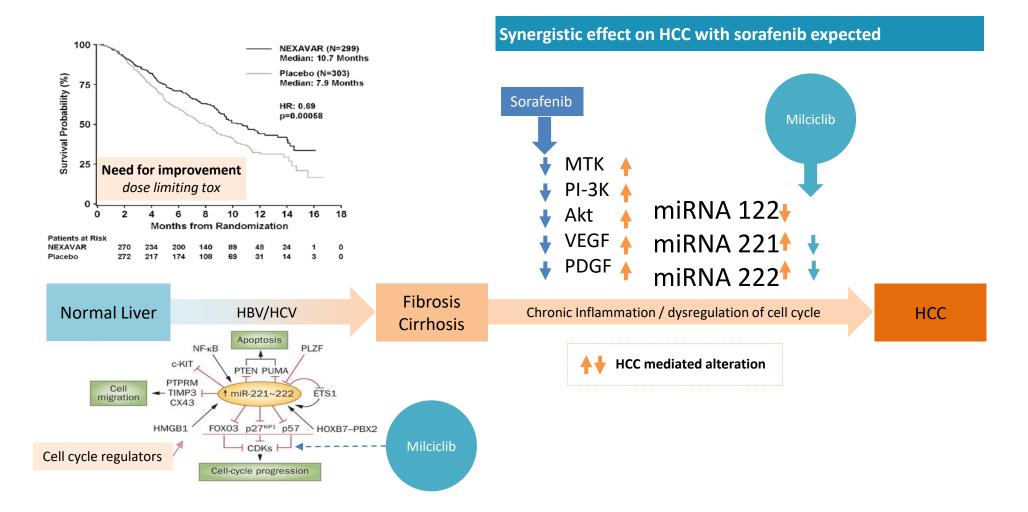
TG 221/DENA mice

- Short and robust MOA based transgenic mouse model for HCC development, dependent on mir221 expression
- Tumor development is induced by DENA

Impressive milciclib effect, with clear reduction in the number and volume of lesions observed after treatment

MILCICLIB AND SORAFENIB MAY HAVE SYNERGISTIC EFFECT

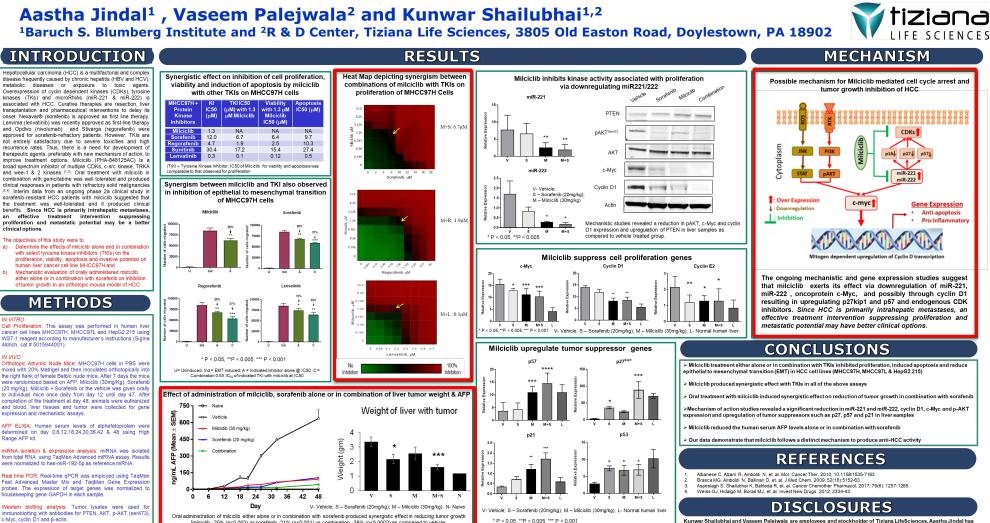




OVEREXPRESSION OF miR-221/222 is often associated with development of sorafenib resistance in HCC patients

ANIMAL STUDIES DEMONSTRATING SYNERGISM BETWEEN MILCICLIB AND TK INHIBITORS TO TREAT HCC PRESENTED AT AASLD (NOV 9-13, SAN FRANCISCO)

Oral Treatment with Milciclib either alone or in Combination with Sorafenib Inhibited Tumor Growth in an Orthotopic Model of Hepatocellular Carcinoma



[milciclib -20% (p<0.002) or sorafenib -21% (p<0.001) vs combination -38% (p<0.0002) as compared to vehicle

Kunwar Shailubhai and Vaseem Palejwala are employees and stockholder of Tiziana LifeSciences. Aastha Jindal has no conflicts of interests to declare

INTERIM ANALYSIS DATA FROM MILCICLIB PHASE 2A TRIAL



- Why interim analysis: Since this was the first exposure of milciclib in HCC patients with, it was important to ensure safety of patient with underlying cirrhosis
- Trial design: Oral administration with milciclib (100 mg/day). Total patients 30 to be enrolled. Duration 6 months Primary end point: safety Secondary end points: PFS, ORR & TTP Exploratory: AFP and miRNA profiling
- Compassionate use: On request of patients with EC approval

• Data from 27 evaluable sorafenib-resistant HCC patients:

- Ten patients completed treatment as per protocol. Seven approved for compassionate use. Three patients completed 9, 13 and 16 months, respectively. No sign of severe toxicity or deaths.
- Milciclib treatment was well-tolerated
- IDMC recommended to continue enrolling patients
- Toxicities were manageable
- Enrollment Complete
- Anticipated Topline data: July 2019

MILCICLIB OVERCOMES DRUG RESISTANCE



Key Findings

- Milciclib was well-tolerated with manageable side effects in patients with refractory solid tumors
- Oral treatment with milciclib in combination with gemcitabine demonstrated clinical activity in patients who were non-responder to existing chemotherapeutic drugs
- Recommended phase 2 dose (RPD) was found to be 150 mg/day (7 day off/7day on cycle)
- Overall response rate was 36%
- Results suggest further evaluation of milciclib in other solid cancers either as monotherapy or combo-therapy

Cancer Chemother Pharmacol (2017) 79:1257–1265 DOI 10.1007/s00280-017-3303-z

CLINICAL TRIAL REPORT

Phase I dose-escalation study of milciclib in combination with gemcitabine in patients with refractory solid tumors

Sandrine Aspeslagh¹^O · Kunwar Shailubhai² · Rastilav Bahleda¹ · Anas Gazzah¹ · Andréa Varga¹ · Antoine Hollebecque¹ · Christophe Massard¹ · Anna Spreafico³ · Michele Reni³ · Jean-Charles Soria¹

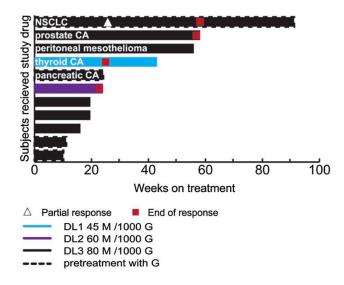


Fig. 1 Swimmerplot showing treatment duration. Tumor type was indicated for patients having a prolonged stable disease or a partial response. M milciclib; G gencitabine

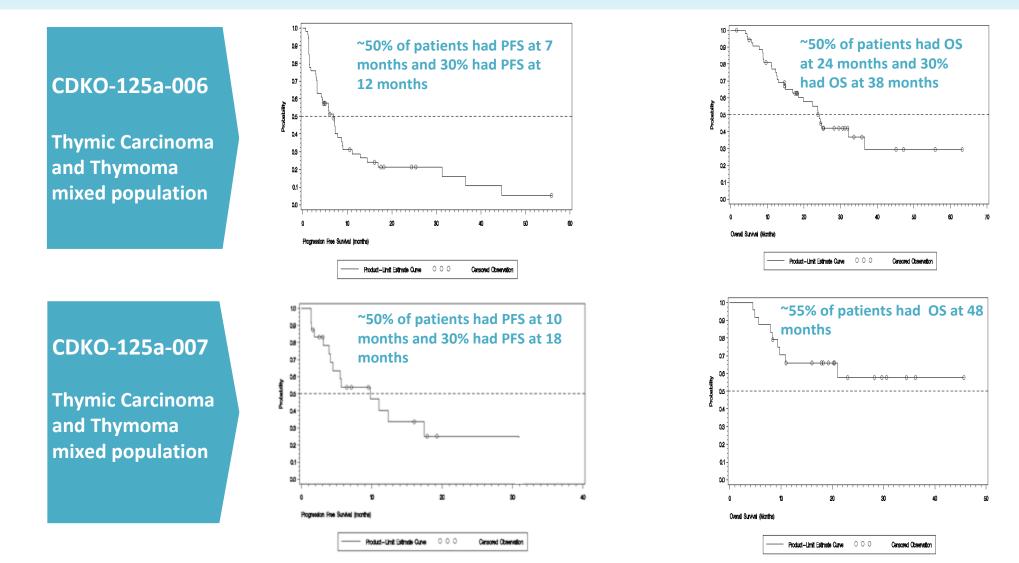
THYMIC CARCINOMA AND THYMOMA UPDATES



- Two Phase 2 trials with Milciclib in US, Italy and France
 - Trial 006: Thymic carcinoma and Thymoma mixed population (72 patients)
 - Trial 007: Thymic carcinoma and Thymoma mixed population (30 patients)
- Rare cancers with very few cases: Orphan Disease Indications
- Positive clinical data
- Primary endpoint (PFS) and secondary endpoint (OS) met in both trials
- Thymic carcinoma is an aggressive metastatic cancer and it has no approved therapy
- Milciclib as a single agent met primary as well as secondary endpoints in thymic carcinoma in both trials
- Seeking guidance from FDA/EMA regarding conditional marketing approval

TWO PHASE 2 TRIALS DEMONSTRATED CLINICAL ACTIVITY AND SAFETY OF MILCICLIB IN THYMIC CARCINOMA AND THYMOMA PATIENTS





Source: (1) TILS press release - Tiziana Life Sciences Announces Safety of Milciclib in a Phase 2a Trial in Unresectable or Metastatic Hepatocellular Carcinoma (HCC) Patients, Dec 8, 2017



PRECLINICAL PIPELINE

TZLS-501, a fully human anti-IL6 receptor mAb, a preclinical candidate

- Multiple Myeloma
- Rheumatoid Arthritis

TZLS-501: ANTI IL-6 RECEPTOR IS A FULLY HUMAN ANTIBODY

TZLS-501

Fully human anti-interleukin-6 receptor (IL-6R) monoclonal antibody (mAb) to treat inflammatory disease

Mechanism	Indications	Opportunity	Competitive Edge	IP/Ownership
 Interleukin-6 (IL-6) is a potent cytokine regulating cell growth and differentiation as well as immune responses. Excessive production of IL-6 and its receptor IL-6R are key drivers of chronic inflammation and inflammatory disease 	 Multiple Myeloma Could potentially be used in combination with foralumab for NASH and other inflammatory diseases such rheumatoid arthritis 	 Anticipated to exert synergistic effect with foralumab for inflammatory diseases >\$35 billion market 	 Differs from other anti-IL-6R mAb's (e.g. tocilizumab), by acting not only on membrane-bound IL- 6R, but also on soluble IL-6R, and is also able to deplete circulating levels of IL-6 in blood 	 Exclusive license from Novimmune (NI-1201) Method of use in combination with anti-CD3 patent pending



IP PORTFOLIO

STRONG INTELLECTUAL PROPERTY PORTFOLIO



	Methods of Use (Autoimmune or Inflammatory diseases and disorders)	2004	lssued/ Pending	2025	Australia, Canada, China, Hong Kong, Israel, Japan, Mexico, Norway, Singapore, South Africa, Ukraine, Armenia, Austria, Azerbaijan, Belgium, Belarus, Switzerland, Germany, Denmark, Spain, France, United Kingdom, Ireland, Italy, Kyrgyzstan, Kazakhstan, Luxembourg, Moldova, Netherlands, Portugal, Russian Federation, Sweden, Tajikistan, Turkmenistan,
Foralumab TZLS-401	Composition and methods of use	2004	lssued/ Pending	2025	US, Armenia, Australia, Austria, Azerbaijan, Belarus, Canada, China, Denmark, France, Germany, Hong Kong, India, Israel, Italy, Japan, Kazakhstan, Kyrgyzstan, Mexico, Moldova, Netherlands, Norway, Republic of Korea, Russian Federation, Singapore, South Africa, Spain, Switzerland, Tajikistan, Turkmenistan, and Ukraine <u>Pending:</u> Brazil, Japan (divisional), Singapore (divisional), US (divisional)
г	Methods of Use (In combination with anti-IL-6/IL-6R antibodies)	2011	Pending	2032	US
	Formulations and dosing regimen	2016	Pending	2037	US, Australia, Canada, China, Europe, Israel, Japan
	Methods of Use (CNS disorders)	2017	Pending	2038	PCT
	Methods of Use (gastrointestinal/autoimmune/inflammatory)	2018	Pending	2039	Provisional
	Composition of matter, methods of use, process of manufacturing	2003	lssued/ Pending	2024	US, Europe, Eurasia, Africa, Algeria, Antigua & Barbuda, Argentina, Australia, Barbados, Bosnia & Herzegovina, Brazil, Canada, Colombia, Costa Rica, Croatia, Cuba, Ecuador, Egypt, Georgia, Iceland, India, Indonesia, Israel, Japan, Korea, Kosovo, Malaysia, Mexico, Mongolia, Montenegro, New Zealand, Nicaragua, Norway, Pakistan, Philippines, Serbia, Singapore, South Africa, Sri Lanka, Taiwan, Thailand, Trinidad & Tobago, Tunisia, Ukraine, Uzbekistan, Venezuela, Vietnam
Milciclib TZLS-201	Methods of use (multiple indications)	2008; 2009	Issued	2029; 2030	US, EU, China, Hong Kong, Japan
	Methods of use (combination therapies with cytotoxics)	2008; 2009	Issued	2029; 2030	US, EU, China, Hong Kong, Japan
	Compositions of related entities, formulations and methods of treatment	2009	Issued	2030	US, EU, China, Hong Kong, Japan
	Methods of use (combination therapies with therapeutic antibodies)	2006	Issued	2027	US, EU, China, Japan
с	Formulations of milciclib and therapeutic combinations of the same for use in the treatment of cancer	2017	Pending	2038	US, PCT
Anti-IL6R antibody TZLS-501	Composition of Matter and Methods of use	2009	Issued	2029	US, Austria, Australia, Belgium, Canada, China, Denmark, France, Germany, Ireland, Italy, Japan Luxembourg, Mexico, Netherland, Spain, Sweden, Switzerland and UK <u>Pending</u> : US (divisional), Japan (divisional), India

New patent applications have been submitted for milciclib and foralumab

LEADERSHIP TEAM & BOARD OF DIRECTORS







Kunwar Shailubhai PhD, MBA CEO & CSO

- Co-founder, EVP & CSO of Synergy Pharmaceuticals, NASDAQ: SGYP
- The pioneer of GC-C agonist technology inventor of TRULANCE approved for Chronic constipation and IBS-C
- VP, Callisto Pharmaceuticals
- Group Leader, Monsanto Co.



- Previously Group Finance Director at Pharmentis –Teva Ratiopharm spin off
- Executive Director at Alliance Boots, Snia, Accenture and FIAT Group
- MBA, Bocconi University, Milan
- Corporate Finance, London Business School. BSc Accounting and Finance

Key Strengths of the Management Team

- Successful credentials in entrepreneurship
- Several biotechnology deals
- Proven 'Bench to market' record
- Strong credentials in Science and Business



Gabriele Cerrone Executive Chairman

- BOARD
- Proven track record & experience in financing biotechnology companies
- Served chairman of 2 biotech companies with market cap over 2 B
- Inhibitex sale \$2.5Bn
- Synergy / Trovagene / Gensignia / Rasna / Contravir / Siga Technologies
- MBA, Stern School of Business, NY, USA



Leopoldo Zambeletti Non-Executive Director

- Former head of Life Sciences M&A for Credit Suisse, EU
- Investment Banking experience at JP
 Morgan and Credit Suisse
- Created biggest deals in biotech.
 CD drug: Nogra to Celgene:
 AAA Accelerator to Novartis: 3.9 B
- Non-exec. director several biotech companies



Willy Simon Non-Executive Director

- Career as a executive in the banking and corporate finance sector and director of publicly listed companies
- Kredietbank N.V., Citibank, Generale Bank NL, CEO of Fortis Investment Management
- Chairman of Bank Oyens & van Eeghen, Partner at Redi & Partners

SCIENTIFIC ADVISORY BOARD





- Professor of Neurology at Harvard Med
- Director and Founder of the Partners MS Center and Co-Director of the Ann Romney Center for Neurologic Diseases
- Pioneered investigation of the mucosal immune system for the treatment of autoimmune and other diseases



Napoleone Ferrara MD

- Inventor of Avastin[®] (\$6.67Bn/yr)*; 2010 Lasker Award
- Senior Deputy Director Basic Sciences, Moores Cancer Center, UC San Diego
- Distinguished Prof of Pathology, School of Medicine, UC San Diego

* Roche Investor Update – February 2018



Kevin Herold, MD

- Professor of Immunobiology and Medicine and Deputy Director, Yale Center for Clinical Investigation
- Director of the Yale Diabetes Center and Director of the TrialNet Center at Yale
- Expert in autoimmune diseases and anti-CD3 monoclonal antibody therapies



Arun Sanyal MD

- Charles Caravati Distinguished Professor and Chair, Division of Gastroenterology, Hepatology and Nutrition at Virginia Commonwealth University School of Medicine
- World leader in the field of liver diseases



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THANK YOU