



Nexus BioPharma, Inc

Opportunity Overview



Forward Looking Statements

This presentation contains “forward-looking statements” within the meaning of the Securities Act of 1933, as amended, the Securities Exchange Act of 1934, as amended, and the Private Securities Litigation Reform Act of 1995, which are intended to be covered by the safe harbor created thereby. You can identify forward-looking statements by words such as “anticipates,” “expects,” “intends,” “plans,” “projects,” “believes,” “estimates,” and similar expressions. Specifically, statements regarding MetaStat’s future business, including any revenue projections, costs, earnings or other financial items, as well as statements relating to the objectives of management and other business plans, including anticipated new products and investments, are forward looking statements. These forward-looking statements are not guarantees of future performance but are rather based upon management’s current expectations and assumptions as to future events that may not prove to be accurate. Actual results may differ materially from those projected as a result of certain risks and uncertainties, including but not limited to: the demand for cancer diagnostics and therapeutics; the growth of the markets addressed by our products; the demand for and market acceptance of our products; our ability to successfully compete in the markets in which we do business; our ability to successfully address the cost structure of our products; the ability to develop and implement new technologies and to obtain protection for the related intellectual property; and our ability to realize financial and strategic benefits of past and future transactions. Other factors that could cause actual results to differ materially from those described in the forward-looking statements include other economic, business, competitive and/or regulatory factors affecting MetaStat’s business generally. These risks and uncertainties, and others, that relate to MetaStat’s business and financial condition are detailed from time to time in MetaStat’s Securities and Exchange Commission filings. These forward-looking statements are made only as of the date indicated, and MetaStat disclaims any obligation to update or revise the information contained in any forward-looking statements, whether as a result of new information, future events or otherwise.

OUR STORY

At the nexus of obesity and diabetes treatment innovation

We are developing a revolutionary approach to address the biggest unmet medical need of our time: **obesity**.

The target drug will have **weight loss** as its primary indication, with blood chemistry improvements for **Type 2 diabetes** as a secondary indication.



THE OBESITY PROBLEM

68% of adults in the US are categorized as overweight or obese¹



Facts About Obesity



1 billion people in the world are classified as obese²



\$150 billion is spent annually in US healthcare costs for obese patients³



Obesity is the leading cause of type 2 diabetes, disability, heart disease, morbidity, and mortality⁴

Yet the entire market for FDA prescription treatments for obesity is only \$455 million⁵

1. <http://www.cdc.gov/nchs/fastats/obesity-overweight.htm>

2. <http://www.healthdata.org/news-release/nearly-one-third-world%E2%80%99s-population-obese-or-overweight-new-data-show>

3. <http://stateofobesity.org/healthcare-costs-obesity/>

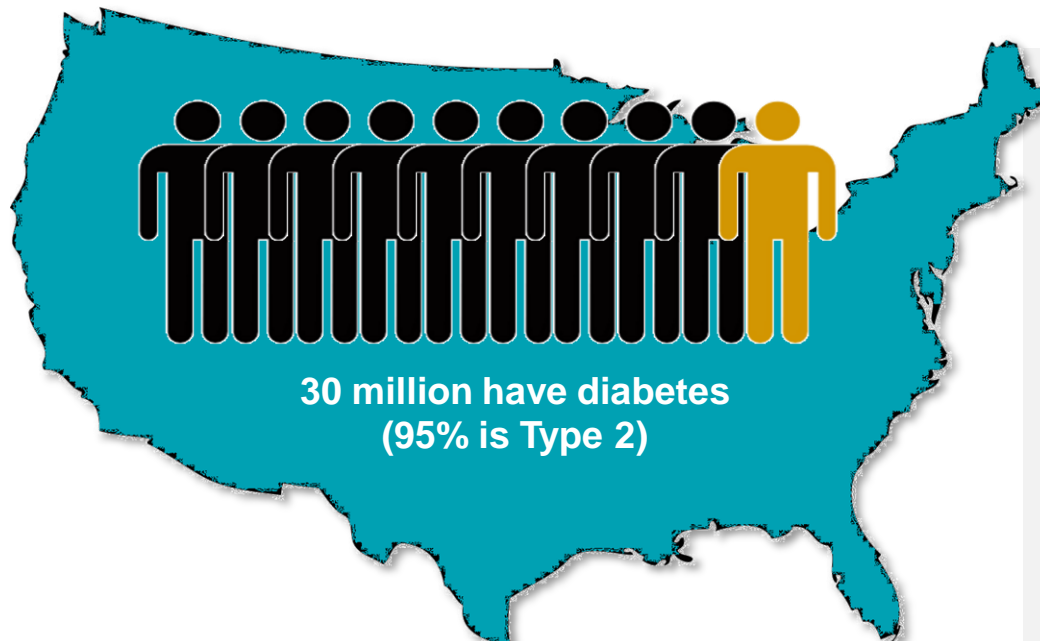
4. <http://www.cdc.gov/obesity/adult/causes.html>

5. <http://www.bccresearch.com/pressroom/hlc/obesity-epidemic-sends-market-for-fda-approved-drugs-soaring>

THE DIABETES PROBLEM

1 in 10 Americans has Diabetes¹

Diabetes kills one person every second in the world²



Facts About Diabetes



Diabetes is **one of the leading causes of death** in the world³



\$322 billion is spent annually in US for healthcare and lost productivity due to Diabetes and Prediabetes⁴

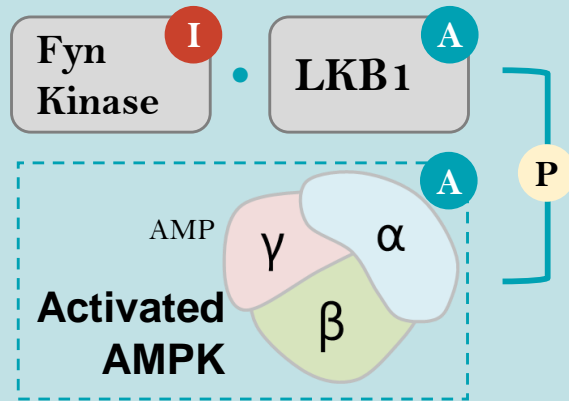


3,835 Americans diagnosed with Diabetes every day⁵

Almost 90% of people living with type 2 diabetes are overweight or have obesity.⁶

THE SOLUTION

Targeting An **Established Metabolic Pathway** for Globally Underserved Market



Inhibition of Fyn Kinase activates LKB1 which increases AMPK phosphorylation and activation*

Activated AMPK results in:

- Increased energy expenditure
- Increased insulin sensitivity
- Increased fatty acid oxidation
- Decreased triglycerides
- Decreased tissue lipids
- Decreased fat mass
- Lower cholesterol

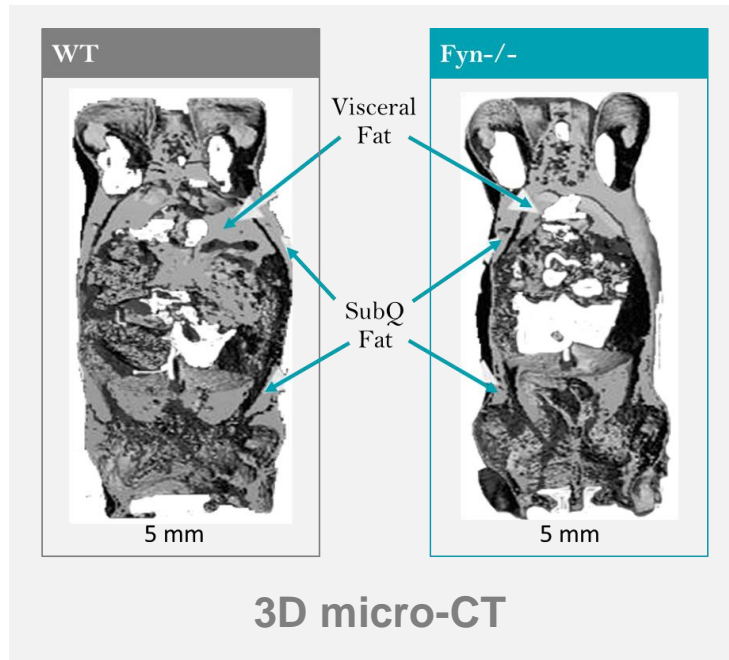
THE SOLUTION



The Only Other Way to **Activate AMPK** is through intense physical exercise

THE GOAL

A More Effective Obesity Treatment Than Any Current FDA Approved Therapy

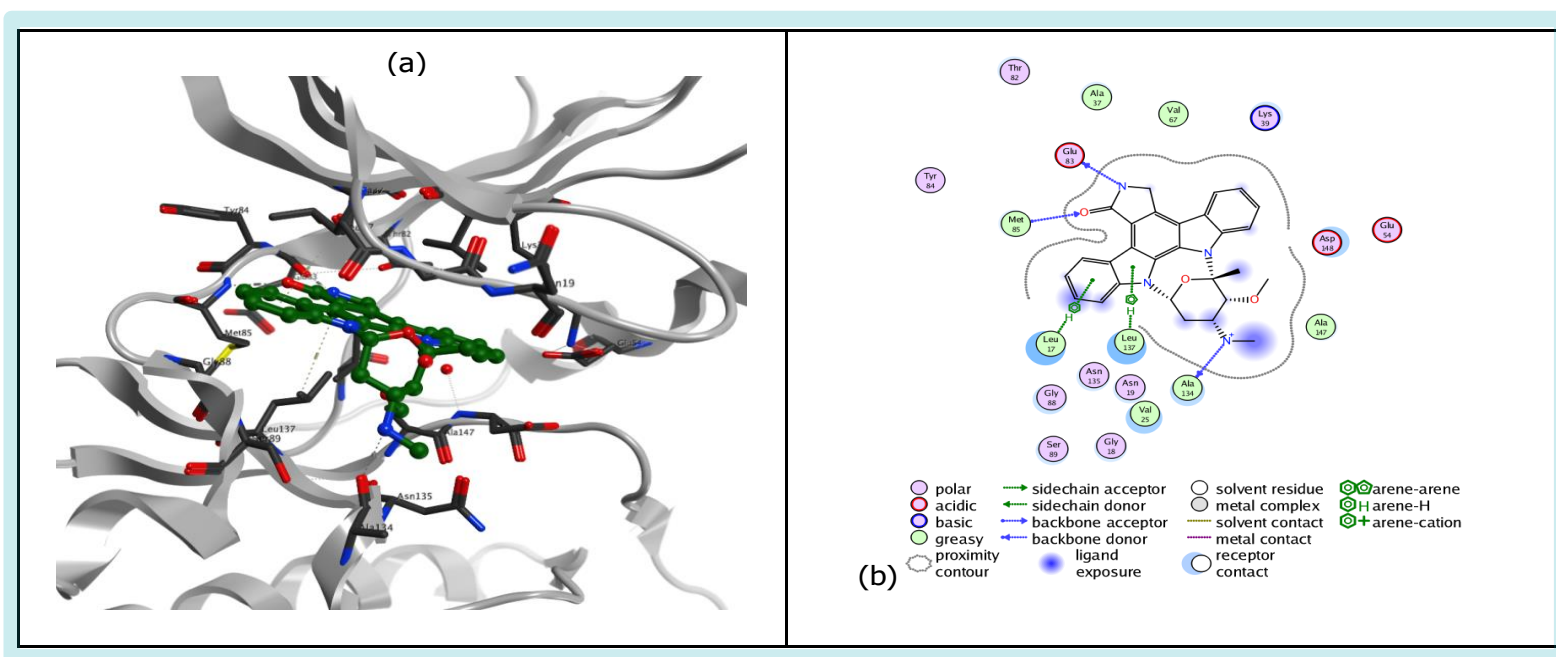


FYN kinase knockout leads to AMPK activation, decreased body fat and improved blood chemistry*

- Reduced percentage of adipose mass
- Reduced adipocyte cell size
- Reduction in fasting plasma glucose, insulin, triglycerides, and free fatty acids
- Improved glucose tolerance
- Increased tissue insulin sensitivity
- Increased fatty acid uptake and oxidation

RESEARCH STRATEGY

Discovering an Effective Fyn Kinase Inhibitor for Humans



- ✓ Structure-based screening complete
- ✓ Cell-based screening for candidate compounds complete
- ✓ Applied for protection of a broad group of solutions to blocking Fyn Kinase

FUTURE PROSPECTS

AMPK Activation Has Potential Impacts on Key Healthcare Challenges...

Metabolism

- ↑ Metabolism
- ↑ Lean muscle
- Targets visceral fat

Diabetes

- Metformin
- UCP-2
- AICAR

Anti-Aging

- Mimics ↓ cal diet
- Increases lifespan
- mTOR signaling

Heart

- Cardiac hypertrophy
- Ischemia-reperfusion

Anti-Cancer

- Akt
- mTOR

Brain

- Vascular remodel
- Apoptosi
- Leptin
- O-GlcNAc

SUMMARY

Creating a Transformative Treatment For **Obesity & Diabetes** Patients

- **Lose Weight** – Selectively targeting visceral adipose (“belly fat”).
- **Prevent or delay** onset of Type 2 Diabetes.
- **Enhance health and longevity** through improved blood chemistry – lower blood glucose, cholesterol, insulin, triglycerides.



GET TO KNOW US

Leadership

Warren C. Lau founded Nexus BioPharma (NEXS) in 2014. He previously served as Founder, President and CEO, and CFO of MetaStat, Inc. (MTST-OTCBB) for six years.

Since 1996, Mr. Lau has been the Founder and President of three additional biopharmaceutical companies. He led two of them to IPOs (OPXA-NASDAQ and MSTX-NYSE MKT) and completed two other acquisitions.



info@nexusbiopharma.com

Ph 973-524-6100

nexus
BioPharma Inc.