

**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**

April 11, 2012
Date of Report (Date of earliest event reported)

GALECTIN THERAPEUTICS INC.

(Exact Name of Registrant as Specified in Charter)

NEVADA
(State or Other Jurisdiction
of Incorporation)

000-32877
(Commission
File Number)

04-3562325
(IRS Employer
Identification No.)

**7 WELLS AVENUE
NEWTON, MASSACHUSETTS
02459**
(Address of Principal Executive Offices) (Zip Code)

(617) 559-0033
(Registrant's telephone number, including area code)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (*see* General Instruction A.2. below):

- 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))

Item 7.01. Regulation FD Disclosure.

Executives of Galectin Therapeutics Inc. are presenting a corporate update in April contained in the slide presentation attached as Exhibit 99.1 to this Current Report on Form 8-K (this "Report").

The information in this Report is being furnished pursuant to this Item 7.01 and shall not be deemed "filed" for purposes of Section 18 of the Securities Exchange Act of 1934 (the "Exchange Act") or otherwise subject to the liabilities of that section, and it shall not be deemed incorporated by reference in any filing under the Securities Act of 1933 or under the Exchange Act, whether made before or after the date hereof, except as expressly set forth by specific reference in such filing to this Report.

Item 9.01. Financial Statements and Exhibits.

(d) Exhibits

99.1 Corporate Update Presentation Slides - dated April 2012.

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.

GALECTIN THERAPEUTICS INC.

By: /s/ Thomas A. McGauley
Thomas A. McGauley
Chief Financial Officer

Date: April 11, 2012

Exhibit Index

**Exhibit
Number**

99.1 Corporate Update Presentation Slides dated April 2012.



Corporate Summary

April 2012

NASDAQ: GALT

Forward Looking Statements

This presentation contains, in addition to historical information, forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. These statements relate to future events or future financial performance, and use words such as “may,” “estimate,” “could,” “expect” and others. They are based on our current expectations and are subject to factors and uncertainties which could cause actual results to differ materially from those described in the statements. Factors that could cause our actual performance to differ materially from those discussed in the forward-looking statements include, among others: incurrence of operating losses since our inception, uncertainty as to adequate financing of our operations, extensive and costly regulatory oversight that could restrict or prevent product commercialization, inability to achieve commercial product acceptance, inability to protect our intellectual property, dependence on strategic partnerships, product competition, and others stated in risk factors contained in our SEC filings. We cannot assure that we have identified all risks or that others may emerge which we do not anticipate. You should not place undue reliance on forward-looking statements. Although subsequent events may cause our views to change, we disclaim any obligation to update forward-looking statements.

Investment Highlights

Proprietary Compounds	<ul style="list-style-type: none">• First in class, proprietary compounds that inhibit galectin proteins• Complex carbohydrate drugs with highly favorable safety profile• GM-CT-01: Phase II: Melanoma; Enhances ability of immune cells to kill cancer cells• GR-MD-02: Preclinical: Non-alcoholic steatohepatitis (NASH, fatty liver disease) and other causes of liver fibrosis
Validated Science	<ul style="list-style-type: none">• Pre-clinical models show galectins are critical targets for intended diseases with mechanisms that would be novel in the market
Large Market Opportunities	<ul style="list-style-type: none">• Enhancing the ability of immune system to kill cancer cells is synergistic with many current and experimental therapies• NASH and liver fibrosis indications would be first therapies for completely unmet medical needs, representing a multi-billion dollar market
Intellectual Property	<ul style="list-style-type: none">• Sole ownership, no licenses granted• GM-CT-01: Matter and methods granted (expire 2023)• GR-MD-02: Matter and methods pending (priorities of 2006-2011)
Experienced Management Team	<ul style="list-style-type: none">• Management team has collective experience in multiple biotech and Pharma companies and relevant scientific areas

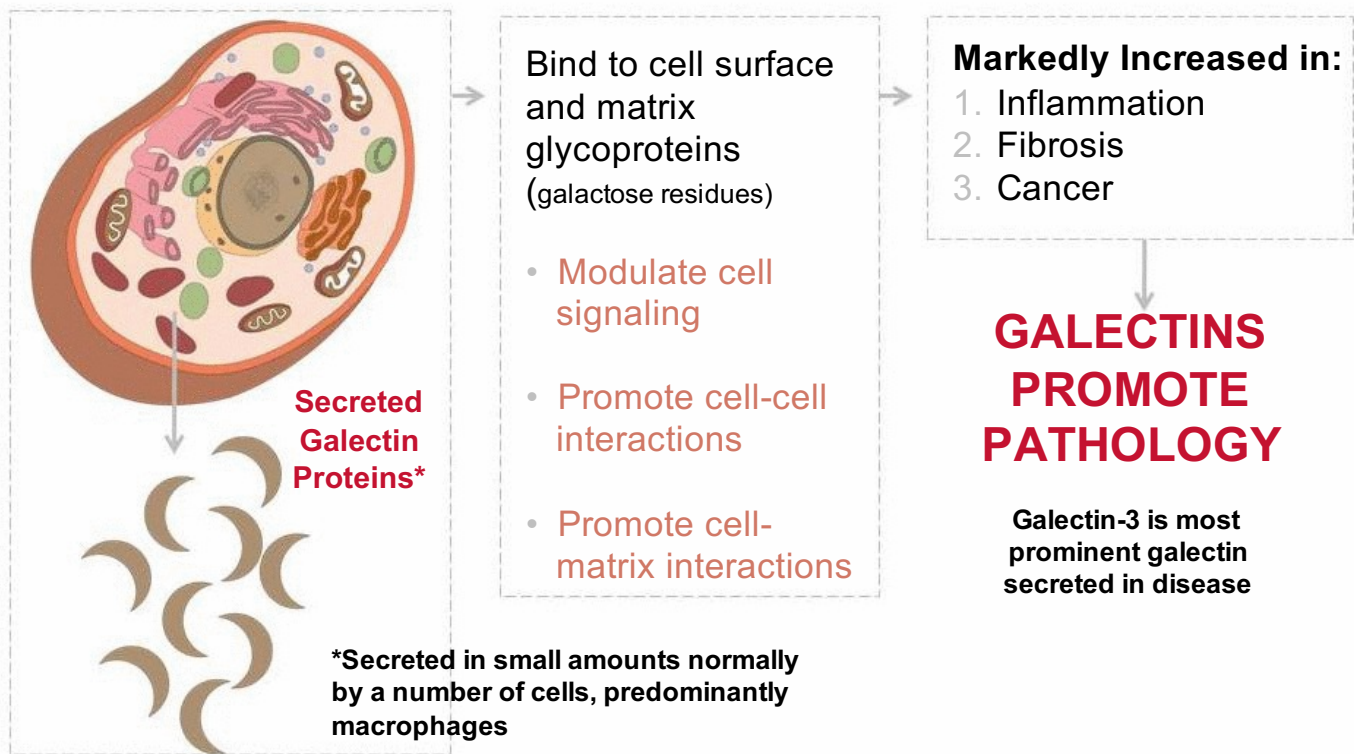
Experienced Management Team



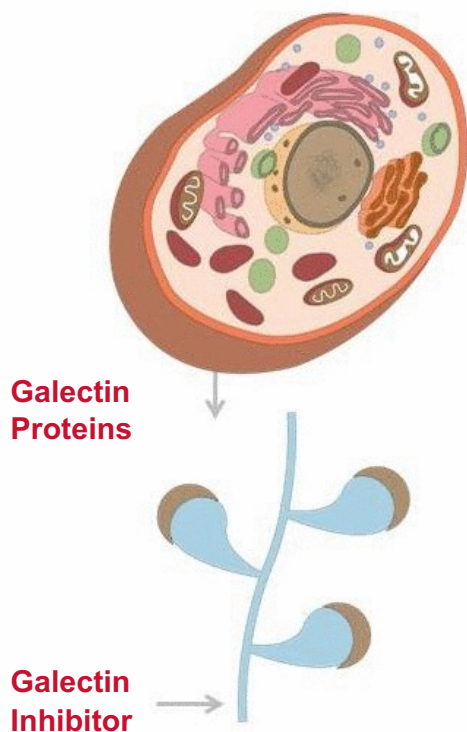
Peter G. Traber, MD President, CEO, CMO	<ul style="list-style-type: none">• Over 25 years experience in biomedicine and pharmaceutical industries in research and development, clinical medicine, management and leadership, and business development. Medical expertise in liver disease• GlaxoSmithKline (CMO), Un of Pennsylvania (CEO), Baylor College of Medicine (CEO)
Anatole Klyosov, PhD Chief Scientist	<ul style="list-style-type: none">• Over 35 years experience in biochemical reactions and their mechanisms, biotechnology, and carbohydrate research• Moscow University, Russian Academy of Sciences, Harvard Medical School
Eliezer Zomer, PhD EVP, Product Development	<ul style="list-style-type: none">• Over 30 years experience in biotechnology engineering and regulatory in pharmaceuticals and diagnostics.• Koor Biotechnologies, Charm Sciences, Glycogenesis, HU Medical School (Jerusalem), Harvard University
Thomas A. McGauley CFO (acting)	<ul style="list-style-type: none">• Over 10 years in accounting and finance with life science and technology companies• PricewaterhouseCoopers, Pro-Pharmaceuticals, deCode Genetics
Maureen Foley COO	<ul style="list-style-type: none">• Over 30 years' experience in business and operations management for public and private scientific, and biotech corporations and startup companies• eHealthDirect, Signatron, ArsDigita and Thermo Fibergen
Elena Chekhova, PhD Program Manager	<ul style="list-style-type: none">• Over 10 years of experience working in the biotech and life sciences industries, project management, manufacturing and business development.• Regis Tech., Decode, Zafgen, Boston College, Tokai Pharma, MIT, University of Dortmund, Harvard University

- **Science of Galectins**
 - **Galectin Function**
 - **Galectin Inhibitors**
 - **Intellectual Property**
- **Immune Enhancement in Cancer Therapy**
 - Mechanism of Action
 - Regulatory and Clinical Plan
 - Competitive Positioning
- **Liver Fibrosis**
 - Mechanism of Action
 - Regulatory and Clinical Plan
 - Competitive Positioning
- **Milestones**

Galectin Proteins Are Critical Participants In Pathogenesis of Many Fibrotic and Neoplastic Diseases



Galectin Inhibitors: A New Class of Pathology Modulators

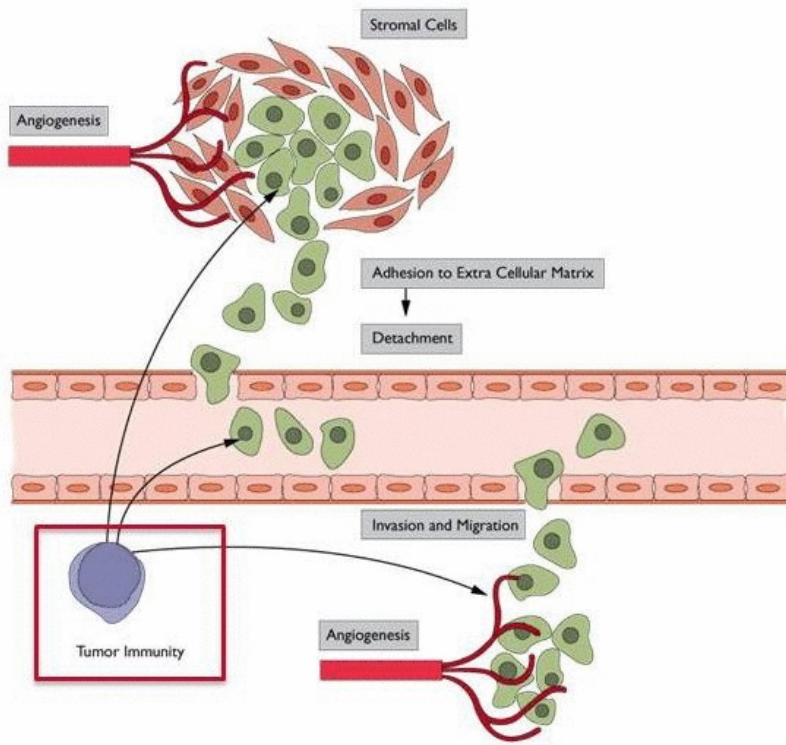


- Novel complex carbohydrate drugs that target secreted and membrane-associated galectins by virtue of high molecular weight
- Strongest binding to galectin-3, most prominent galectin in disease processes
- Binding to galectins disrupts function and modulates multiple cellular pathways in pathology representing a potential new class of therapeutic agents
- Low toxicity potential as a carbohydrate with no toxic metabolites
- Two classes of compounds under development
 - GM-CT
 - GR-MD
- Low manufacturing costs; abundant natural plant product starting materials

- **GM-CT Class (current NCE is GM-CT-01)**
 - US Composition of matter patent Issued 2011 (priority 2003)
 - Five US issued method of use patents in combination with cancer therapy for increased efficacy and reduced side effects
 - International Patents: 13 granted and 5 pending
 - Method of use in liver fibrosis patent pending (priority 2006)
 - Method of use in NASH patent pending (priority 2011)
- **GR-MD Class (current NCE is GR-MD-02)**
 - Composition of matter patent pending (priority 2011)
 - Method of use in liver fibrosis patent pending (priority 2006)
 - Method of use in NASH patent pending (priority 2011)
- **All intellectual property generated in house with no encumbrances**
- **No established generic pathway for such complex carbohydrate drugs**

- **Science of Galectins**
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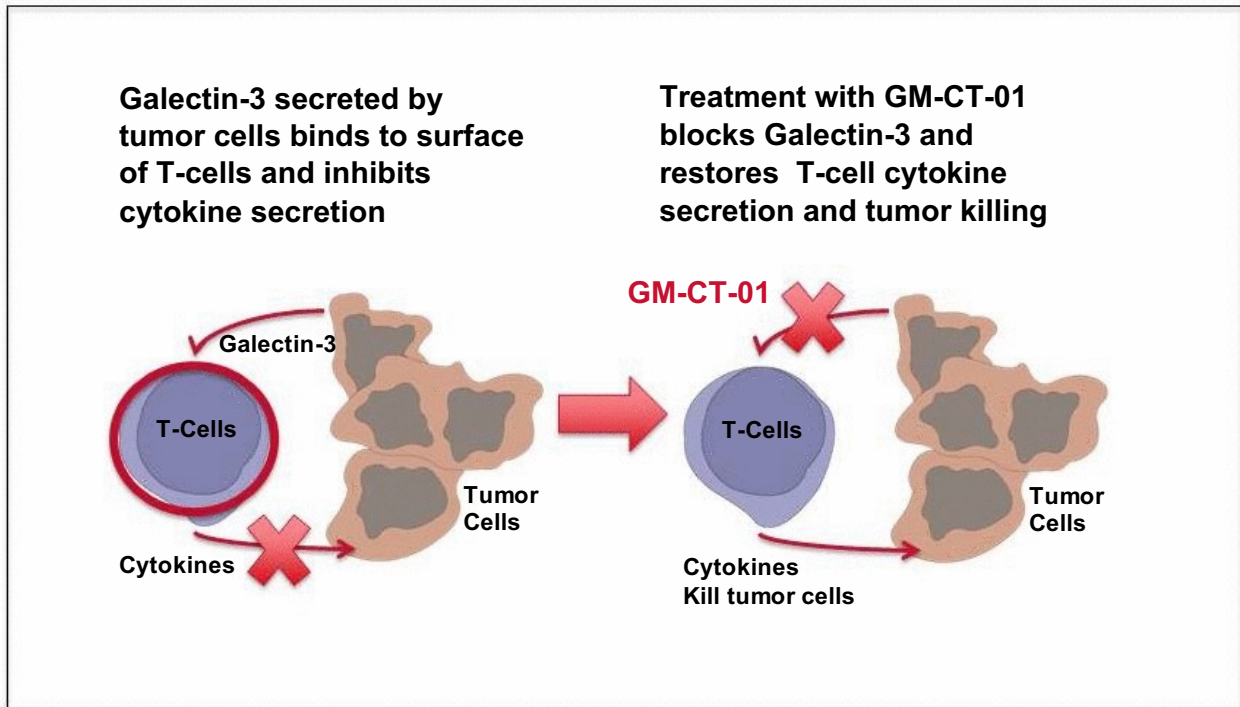
The Vast Majority of Cancers Secrete Large Amounts of Galectins Which Have Multiple Roles in Tumor Pathogenesis



- Tumor cell invasion: extracellular matrix adhesion & detachment
- Metastasis: cell invasion and migration
- Angiogenesis
- **Tumor immunity** has recently been shown to be critically affected by galectins

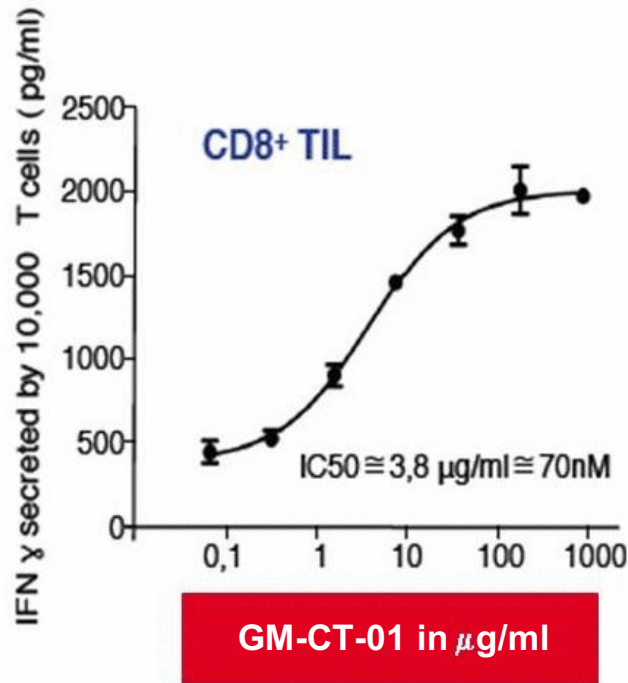
The “Galectin Effect” protects tumors from immune system

Tumors Evade the Immune System Using the “Galectin Effect” and GM-CT-01 Reverses This Effect

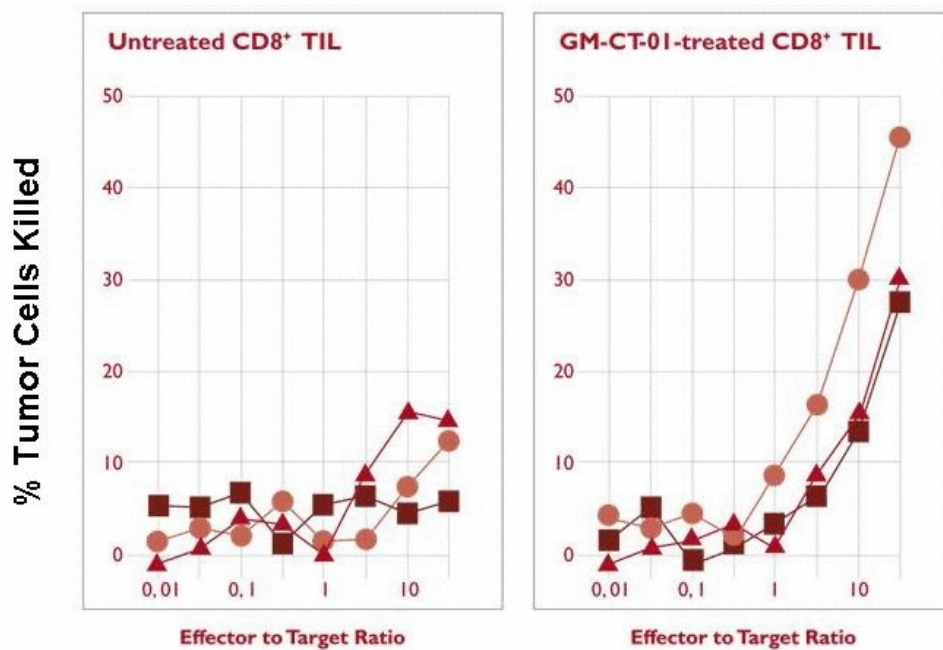


Experiments performed by Dr. Pierre van der Bruggen of the Ludwig Institute in Brussels, Belgium in collaboration with Galectin Therapeutics

GM-CT-01 Activates Secretion of $\text{INF-}\gamma$ in a Dose-Dependent Manner In Tumor Infiltrating CD8^+ T-Cells From Human Patients



GM-CT-01 Restores Ability of Human CD8 T-Cells to Kill Tumor Cells Through Inhibition of “Galectin Effect”



Effectors: CD8+ T Cells
Target: Tumor Cells

GM-CT-01 Has Demonstrated Safety in over 100 Human Subjects in Phase I and Partially Completed Phase II Clinical Trials with Some Evidence of Efficacy



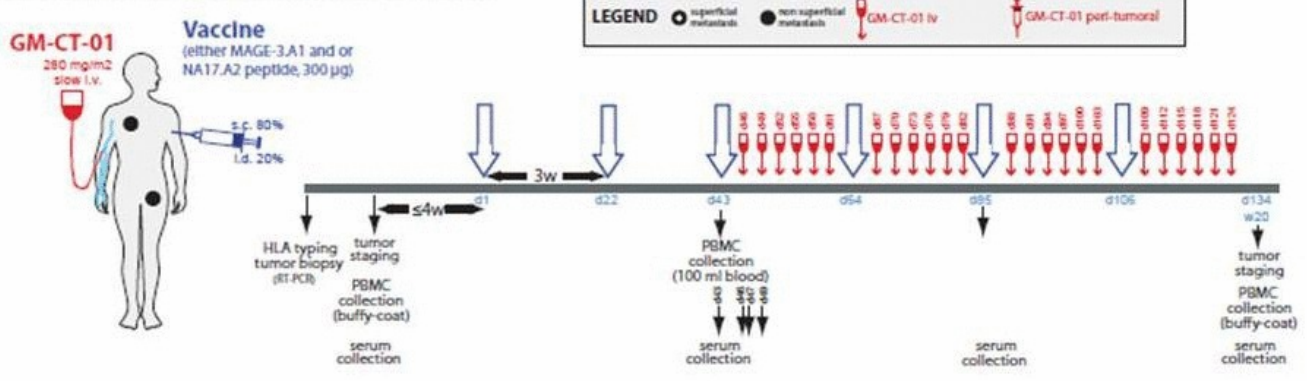
- Phase I trial (DAVFU-001) in 40 subjects with end stage cancer showed GM-CT-01 was safe alone and in combination with the chemotherapy 5-FU
- Three Phase II trials were conducted, but only partially completed
 - One Phase II trial (DAVFU-001) of 5-FU plus GM-CT-01 in line 3/4 therapy of metastatic colorectal cancer showed 6.7 months median survival. In similar patients, Erbitux® had a 6.1 month survival compared to 4.6 months with no therapy
 - When the data from the three partially completed Phase II trials were pooled, the **serious adverse events associated with 5-FU** were reduced when compared to historical controls
- The company is seeking partners with significant chemotherapy business for pursuing an indication for reduction in side effects for 5-FU and leucovorin containing chemotherapy regimens.
- Our preclinical efficacy and clinical safety data were strong enough to obtain an IMPD for Phase I/II trial in metastatic melanoma with a combination of a tumor vaccine and GM-CT-01 to test the efficacy of blocking the “Galectin Effect” [Study not being conducted under FDA IND, but there is open IND for GM-]CT-01

*“Erbitux® is a registered trademark of ImClone LLC, a wholly-owned subsidiary of Eli Lilly and Company.”

Preclinical efficacy and clinical safety data sufficient to obtain an IMPD for treatment of metastatic melanoma to test the efficacy of blocking the “Galectin Effect”

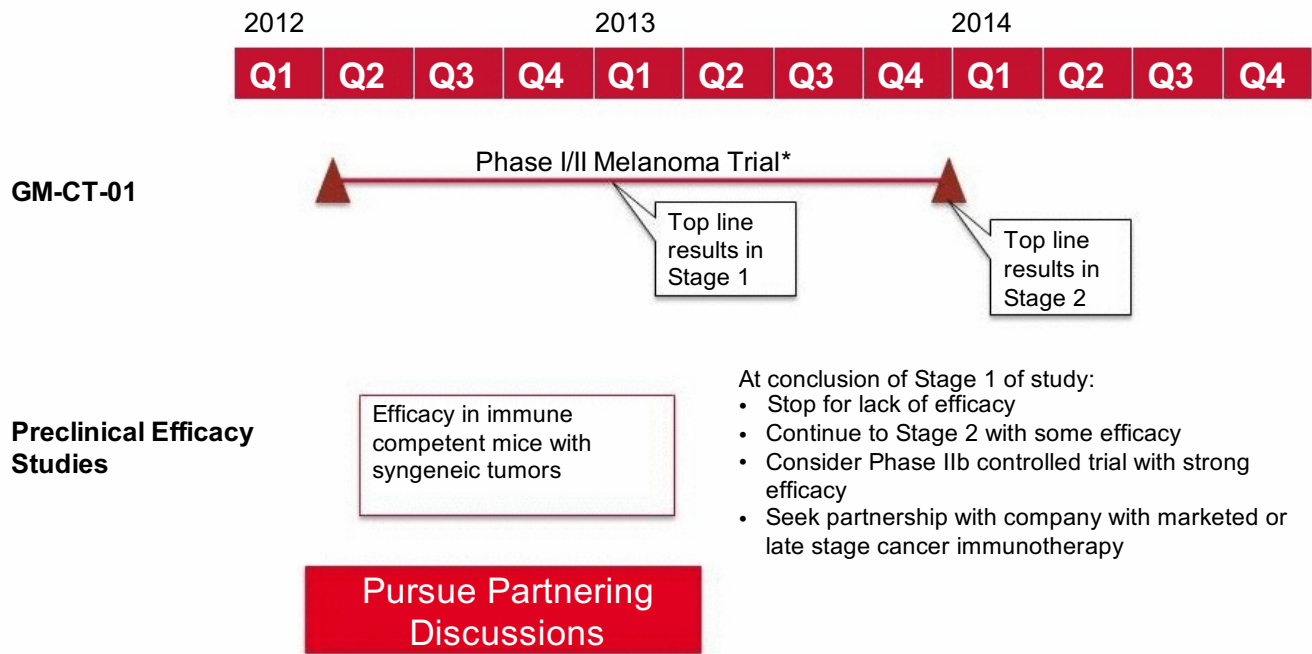
Melanoma “Proof of Concept” Trial:
Patients: Advanced metastatic melanoma
Design: Two Stage (12 in stage 1 and 46 in stage 2)
Regimen: Prime with melanoma specific peptide vaccine
 Treat with GM-CT-01 to block “Galectin Effect”
Endpoint: Partial or complete response by imaging

GROUP 1 (n = 6 patients, expandable to 23)



Group 2 patients have additional injection of GM-CT-01 in cutaneous tumors

Tumor Immune Enhancement Development Program



*Conducted in Belgium under an IMPD. Not conducted under FDA IND, but there is an open IND for GM-CT-01

Immune Enhancement by Blocking “Galectin Effect” is Synergistic With Many Emerging Cancer Immunotherapies

- Enhancing the ability of the immune system to recognize and kill tumor cells is a very active area in the personalized approach to cancer therapy. The “Galectin Effect” inhibits the immune system
- Two agents have been approved for use to date
 - Dendritic cell vaccine: Provenge® (Dendreon)
 - T-cell activator (CTLA4 receptor mAb): Yervoy® (Ipilimumab, BMS)
 - Many more vaccines and activators in development
- Our drugs reverse the “Galectin Effect” by which tumors inhibit the immune system and may be **synergistic** with all tumor immunotherapies. May be effective with unaltered immune system
- While tumor vaccines are patient and tumor specific, reversal of the “Galectin Effect” appears to be universal. Initial Phase I/II clinical trial in Belgium in combination with a vaccine to treat metastatic melanoma
- The tumor vaccine market is forecast to be over \$7 billion by 2015

Best Positioned to Advance Tumor Immunotherapy with Galectin Inhibitor

- Market for tumor vaccines is expected to grow to \$7B by 2015. If ipilimumab (Yervoy ®, BMS) is included, market is even larger
- Blocking the “Galectin Effect” would be synergistic with all types of tumor vaccines or immune stimulatory approaches
- In this regard, competition will come from other galectin-inhibitors
 - Galecto Biotech AG (Sweden): Discovery phase focusing on small molecule inhibitors
 - LaJolla Pharmaceuticals (CA): In Jan. 2012, they purchased GCS-100 from Solana Therapeutics (formally Prospect Therapeutics, formally Glycogenesis). GCS-100 is a natural product compound with claims for binding galectins; focused on blood cancers; significant side effects reported.
 - Mandel Med (Oakland, CA): Truncated galectin-3 protein. Not progressed into human trials and no active program currently.
 - Stelic Institute (Japan): Pre-clinical RNAi approach in inflammatory bowel disease
- Galectin Therapeutics is best positioned with a human trial in cancer immunotherapy; GM-CT-01 has proved safe in Phase I and three partially completed Phase II trials.

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NASH and Liver Fibrosis are Multi-Billion Dollar Markets In US Alone

- The **ONLY** current therapy for advanced fibrosis (cirrhosis) is liver transplantation
- No approved medical therapy for fibrosis
- While there are treatments for some underlying etiologies (Hepatitis C and B), there is no approved therapy for NASH

Transplants	(6,291*)
Wait List	(17,000**)
Death From Cirrhosis	(44,677#)
Cirrhosis	(400,000##)

NASH: 9-15 Million& Hepatitis C, Hepatitis B, Alcohol

* Performed in US in 2010 (UNOS)
 ** Prevalence in US 2010 (UNOS)

#Deaths in 1998 (AASLD Workshop, 2001)
 ##Prevalence in US 1976-1980 (NIDDK)

&Prevalence in US 2011 (NIH)

Galectin-3 Is A Critical Protein Target For Therapy of Liver Fibrosis

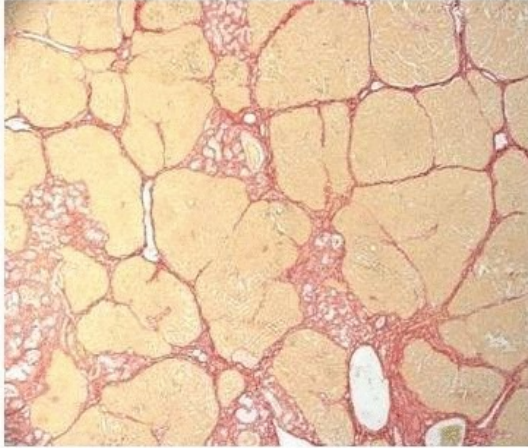
Key Evidence:

- ❖ Galectin-3 is produced in large amounts by fibrotic liver (animal and human)
- ❖ Galectin-3 is essential in mice for the development of liver fibrosis
 - **Fibrosis due to toxin exposure or fatty liver does not occur in mice that lack the galectin-3 gene**
- ❖ Galectin inhibitors block production of fibrogenic markers in the key human cell (stellate cells) responsible for liver fibrosis
- ❖ Galectin inhibitors reverse experimental fibrosis in rats induced by both fibrosis and fatty liver

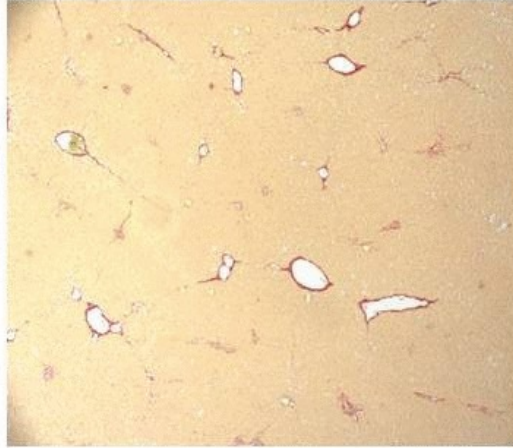
Galectin Inhibitor GR-MD-02 Effectively Treats Toxin-Induced Liver Fibrosis in Rats

Liver fibrosis induced in all rats by injection of chemical toxin (thioacetimide) for 8 weeks

Treatment with vehicle alone for four weeks (Control) shows robust fibrosis



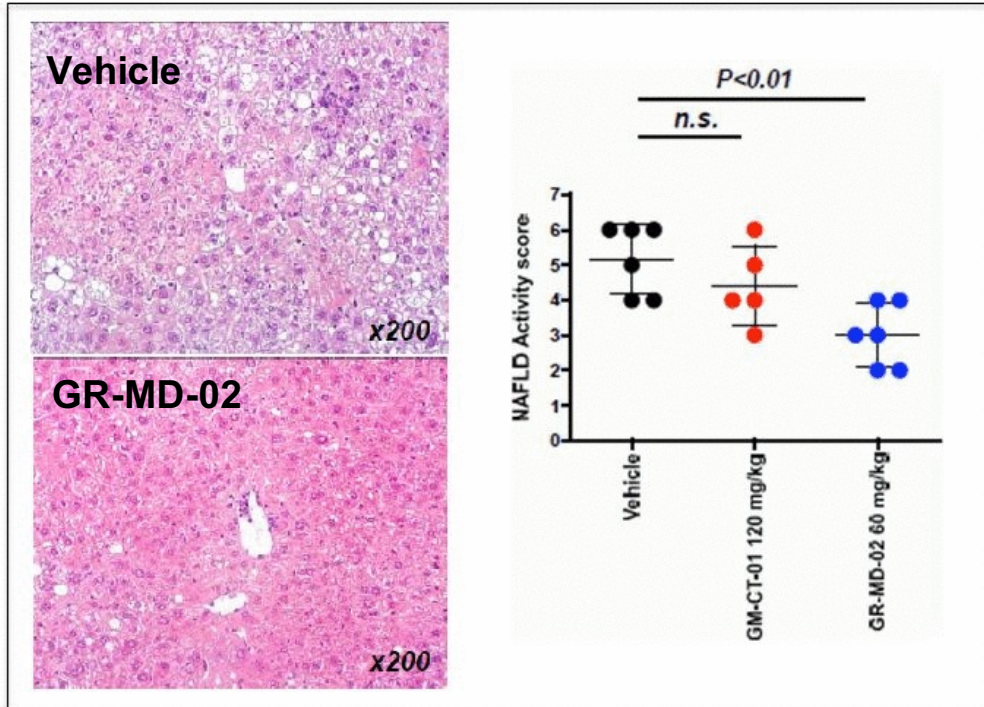
Treatment with GR-MD-02 for four weeks shows dramatic regression of fibrosis



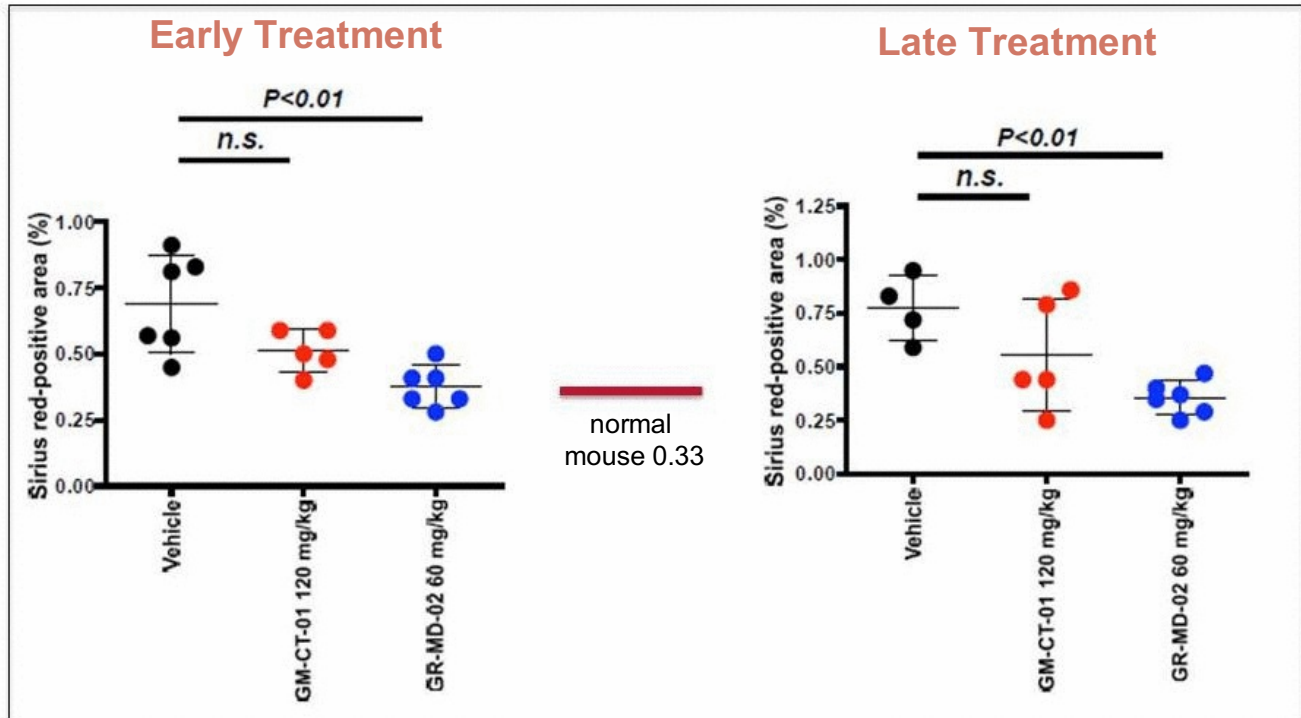
Galectin Therapeutics Data

GR-MD-02 Markedly Improved NASH (Non-Alcoholic Steatohepatitis) in a Mouse Model

NASH was induced in mice by rendering them diabetic and feeding them a high fat diet

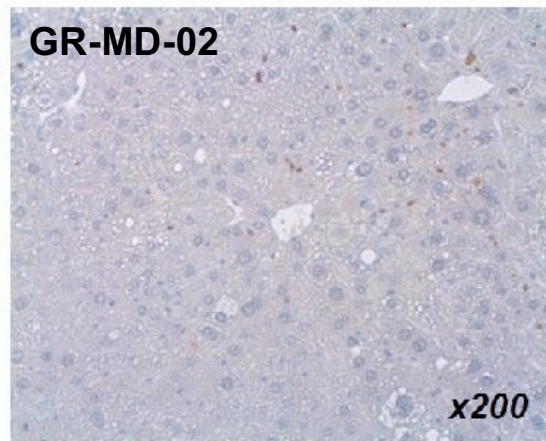
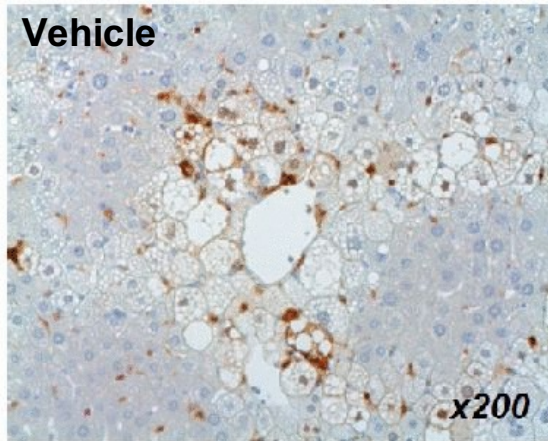


GR-MD-02 Prevented and Completely Reversed Fibrosis in NASH Mouse Model

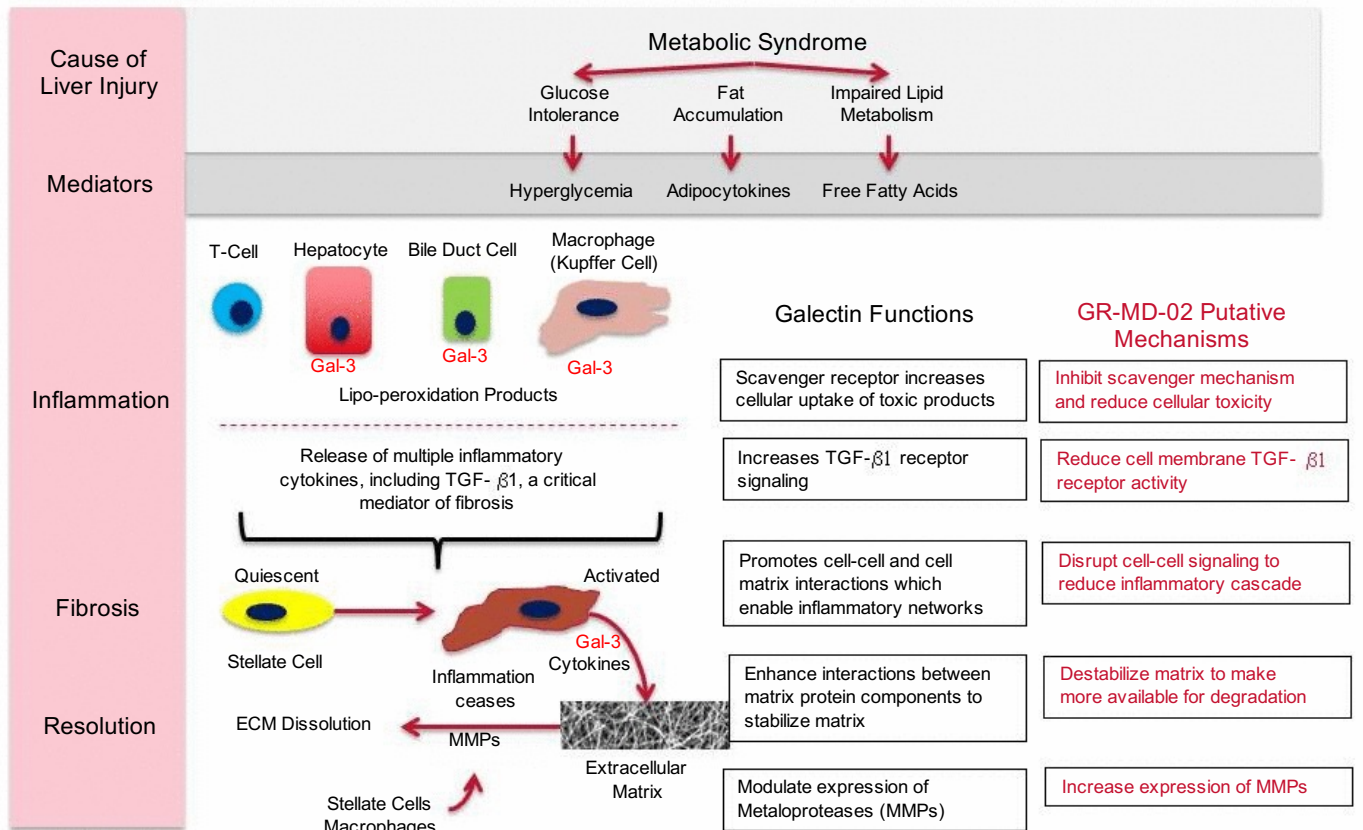


Treatment with GR-MD-02 Markedly Reduces Galectin-3 in NASH Mice

Immunohistochemistry for detection of Galectin-3



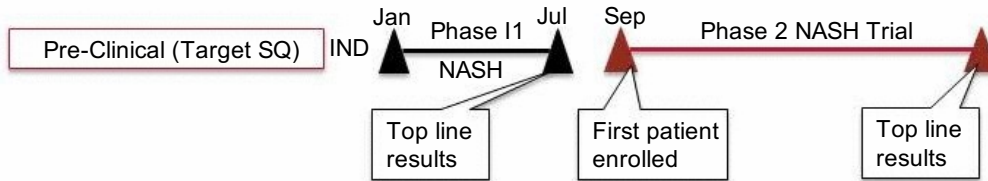
Inhibition of Gal-3 May Have Multiple Sites of Action in Therapy of NASH



NASH Development Program: GR-MD-02



NASH



File Fast Track Designation

Phase I Trial:

- Patient Inclusion:* Biopsy proven NASH with fibrosis
- Design:* Single dose escalation to target dose and then additional 10 patient extension for two months of therapy
- Primary Endpoint:* Patient safety
- Secondary Endpoints:* Serum markers; MR-fat and elastography

Phase II Trial:

- Patient Inclusion:* Biopsy proven NASH with fibrosis
- Design:* Randomized, controlled, double blinded study with six months of therapy
- Primary Endpoint:* Liver biopsy NASH score and percent area collagen
- Secondary Endpoints:* Safety; Serum markers; MR-fat and elastography

Among Competition Company is Best Positioned For a Successful Development Program in NASH

General Mechanism	Examples	Comments
Treat Diabetes and Insulin Resistance	<ul style="list-style-type: none"> • Pioglitazone 	<ul style="list-style-type: none"> • Failed to achieve significant endpoints in phase II and phase III clinical trials
Inhibit Lipid Metabolism	<ul style="list-style-type: none"> • Aramchol • Colesevelam 	<ul style="list-style-type: none"> • Cholesterol inhibition, no clinical results; weak mechanism • Intestinal bile salt binder, no clinical results, weak mechanism
Modulate the Immune System	<ul style="list-style-type: none"> • EGS21 (Enzo) • Pentoxifylline 	<ul style="list-style-type: none"> • Abandoned after phase II trial • Non significant phase III results
Protease Inhibition	<ul style="list-style-type: none"> • GS-9450 (Gilead) 	<ul style="list-style-type: none"> • Liver Toxicity: abandoned (caspase inhibitor)
Anti-Oxidant	<ul style="list-style-type: none"> • MND-21 (Mochida) • Cysteamine (Raptor) 	<ul style="list-style-type: none"> • Omega-3 fatty acid (phase II trial) • Increase glutathione in liver cells, single point of action (phase II)

- GR-MD-02 is well positioned with respect to competition
 - Most attractive mechanism: multiple sites of action in disease
 - Independent of hyperglycemia or hyperlipidemia
 - May reverse established fibrosis
 - Low toxicity potential as a carbohydrate with no toxic metabolites

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Company Milestones

- **General**
 - 09/12: Host Global Conference on Galectins in Disease and Therapy; planned second edition of book on Galectins
- **Cancer**
 - 03/12: Operational start of Phase I/II melanoma trial
 - 04/12: First patient infused Phase I/II melanoma trial
 - 01/13: Stage 1 top line results (12 patients)
 - 01/14: Stage 2 top line results (46 patients)
- **Fibrosis**
 - 05/12: NASH Presentation at DDW (Digestive Disease Week)
 - 12/12: NASH FDA IND
 - 01/13: Initiate Phase I NASH trial
 - 07/13: Phase I NASH trial results
 - 09/13: Initiate Phase II NASH trial
 - 10/14: Phase II NASH top line results

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