AIkido Pharma Inc.

DEVELOPING AND COMMERCIALIZING INNOVATIVE DRUG PLATFORMS FOR IMPROVING ANTICANCER AND ANTIVIRAL THERAPIES

April 2021

Safe Harbor

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Our Company:

Company Strategy:

Develop drugs to a stage of a profitable value inflection point

Licensed Technology:

- Preferably developed in academia at Universities or Medical Schools
- Robust preliminary data to treat cancer or viral infection
- Strong IP filings and/or issued patents
- Engaged inventors

Core Competencies:

- Our Scientific Advisory Board, which includes the inventors of our technologies who provide specific expertise and input
- Contract manufacturing organization (CMO) for manufacturing, formulation, optimization
- Chemistry, manufacturing, controls (CMC) expert for oversight of CMO, ensuring quality per FDA regs, developing chemistry research plan and formulation development
- Regulatory experts to assist in pursuing the FDA's 505(b)(2) approval pathway

Our Investment Highlights

- We are currently partnering with universities to treat various cancers and viral infections
- Strong Balance Sheet: Over $100 Million in cash as of March 1, 2021 - No Debt
- Anti-Cancer:

DHA-dFdC (Gem-DHA) for oral and/or IV cancer treatment licensed from UT at Austin:

- Global gemcitabine market expected to reach >$900M by 2027
- CAGR of nearly 7% from 2019 to 2027

  Source: Transparency Market Research

Synergistic dual drug radiotherapy for prostate cancer from Weill Cornell Medical School

- The global prostate cancer treatment market size was valued at $6,887 million in 2018.
- Projected to reach $9,904 million by 2026, registering a CAGR of 4.6% from 2019 to 2026.

  Source: Allied Market Research

- Anti-Viral:

Pan-Viral Drug Design licensed from University of Maryland at Baltimore:

- Preliminary proof of concept against coronavirus, flu, Ebola and others
- Global flu drug market alone projected to reach $993.7M by 2026, with a CAGR of 2.2%

  Source: Fortune Business Insights

Anticancer Therapy DHA-dFdC (Gem-DHA)

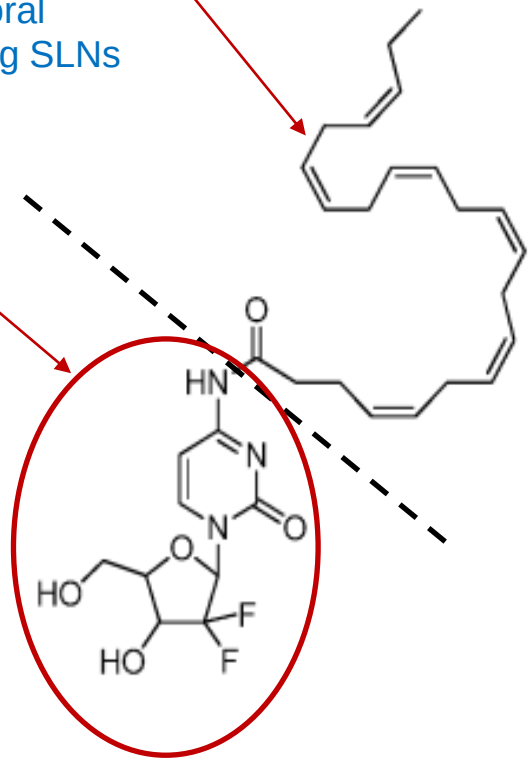
Licensed to drug and a potentially next-generation oral delivery system

- Gem-DHA drug patent recently issued; expires 2035
- Higher activity than gemcitabine
- Safety profile promising in mice
- Greatly reduces drug resistance
- Concentrates in pancreas, PC may be lead indication
- Robust published mouse data:
  - Naguib *et al.* (2016) *NeoPlasia* 18:33-48
  - Valdes *et al.* (2017) *Pharm. Res.* 34:1224-1232
  - Valdes *et al.* (2019) *Int. J. Pharm.* 570:118609
  - Valdes *et al.* (2020) *AAPS PharmSciTech* 21:77
- Solid lipid nanoparticles (SLNs) potential next-generation oral delivery
- Oral formulation patent application filed in June 2020

Docosahexaenoic Acid (DHA)
Allows for oral
formulation using SLNs

Gemcitabine

FDA approved for:
Breast Cancer
NSCL Cancer
Ovarian Cancer
Pancreatic Cancer



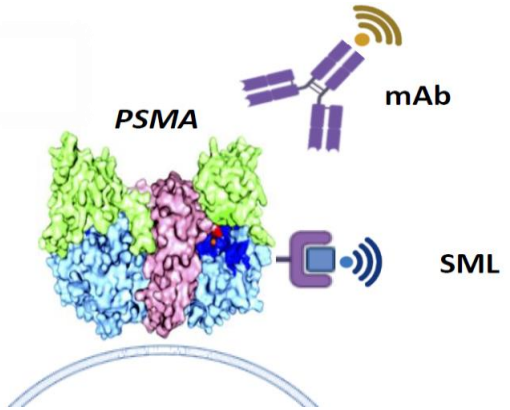
Anticancer Therapy DHA-dFdC (Gem-DHA)

Ongoing Work:

- Collaborating with Parimer Scientific in South Carolina to manufacture drug to FDA quality
- Site certified for ISO 9001 quality control
- Manufacture of DHA-dFdC as taught in literature successfully replicated
  - Product produced at high yield
  - Scale up manufacturing procedure currently being validated
  - Manufacture of small batch for trial testing currently underway
- Dose formulation development to begin thereafter; both oral and IV formulations pursued in parallel
- Limited animal testing to begin in the latter stages of formulation development
- Will hire on contract research organization (CRO) for animal testing soon

Synergistic Dual Radiotherapy for Prostate Cancer

- We have purchased an ownership interest in Convergent Therapeutics, Inc., which has licensed rights to this technology. See 2/3/21 Form 8-K at https://ir.aikidopharma.com/sec-filings/
- Developed under the direction of Dr. Neil Bander at Weill Cornell Medicine
- This novel treatment uses two radioactive molecules to target PSMA receptor on cancer cells
  - Antibody (CONV 01) and small molecule (PSMA I&T) both attached to radioisotopes
  - Both drugs bind to receptor simultaneously and noncompetitively
  - Non-overlapping biodistributions-reduces additive damage
  - CONV 01 (a.k.a. J591) antibody causes internalization of both drugs

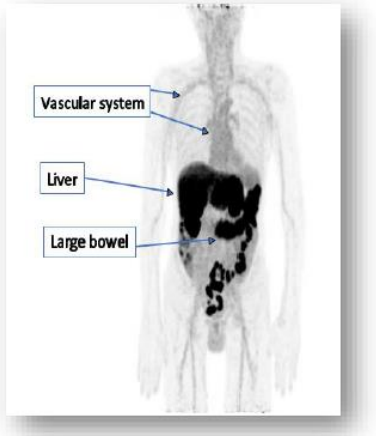


- Phase 1, 2a Single Ascending Dose CONV 01-α completed
- Phase 1b/2a Multiple Ascending Dose CONV 01-α ongoing
- Convergent is currently planning additional advanced human trials:
  - Phase 1b/2a with the combination of CONV 01-α and PSMA I&T-β;
  - Phase 2b with the combination of PSMA I&T-β ± CONV 01-α, and
  - Phase 1b/2a with PSMA I&T-α ± CONV 01-α (both drugs with ^{225}Ac, the α-particle emitter)
- Novartis recently announced positive Phase III data on very similar small molecule

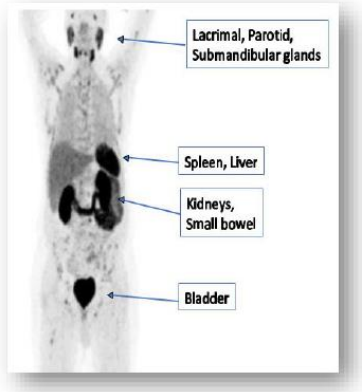
Synergistic Dual Radiotherapy for Prostate Cancer

Non-overlapping Biodistributions

CONV 01-α

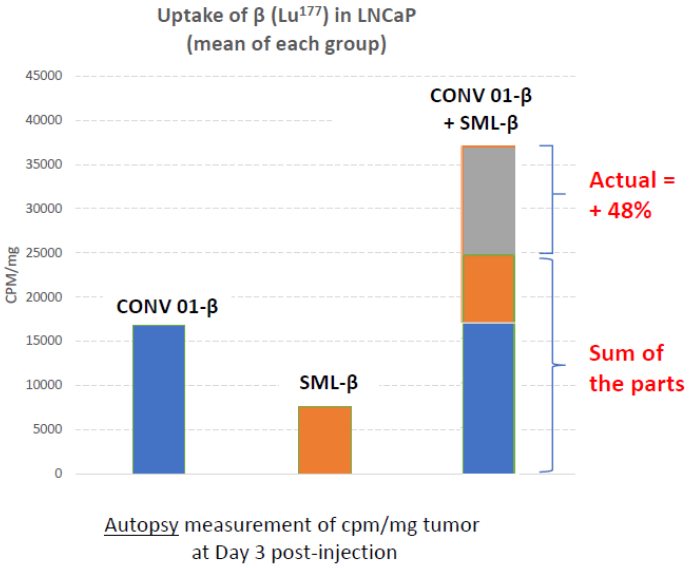


SML-β



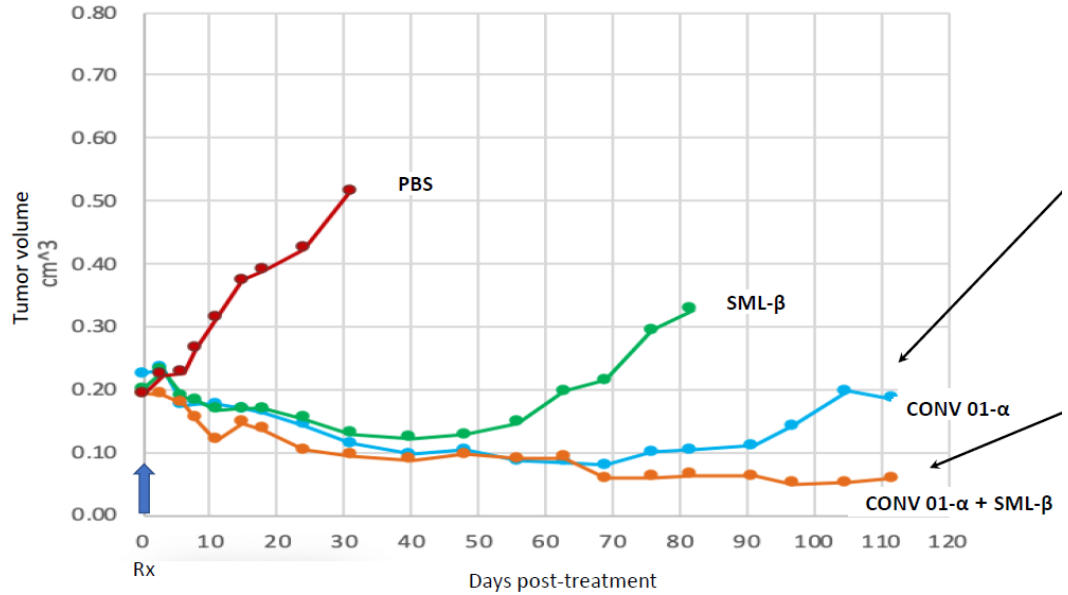
Synergistic Effect

In Radioisotope Uptake



Autopsy measurement of cpm/mg tumor at Day 3 post-injection

In Reduction of Tumor Volume



N= 6-8 tumors per group

UMB Antiviral Program

Pan-Viral Treatment Design – Corona, Influenza, Ebola

- In collaboration with UMB, we have exclusively licensed and funded an SRA to discover new computer-designed panviral treatments
- License includes three patent applications covering several lead candidates
- Nonprovisional patent applications filed in 2019 and 2020
- Currently collaborating with UMB to optimize licensed candidates
- Additional lead compounds encompassed by license recently identified
- Lead scientist is well-known virologist Matthew B. Frieman, Ph.D.
    - Dr. Frieman is working to identify novel and repurposed drugs, antibodies and vaccines for Influenza virus, SARS-CoV, MERS-CoV and SARS-CoV-2 inhibition
    - Data on first lead compounds was recently published at:

Weston *et al.* (2020) The SKI complex is a broad-spectrum, host-directed antiviral drug target for coronaviruses, influenza, and filoviruses *PNAS* 117 (48) 30687-30698, https://doi.org/10.1073/pnas.2012939117

UMB Antiviral Program

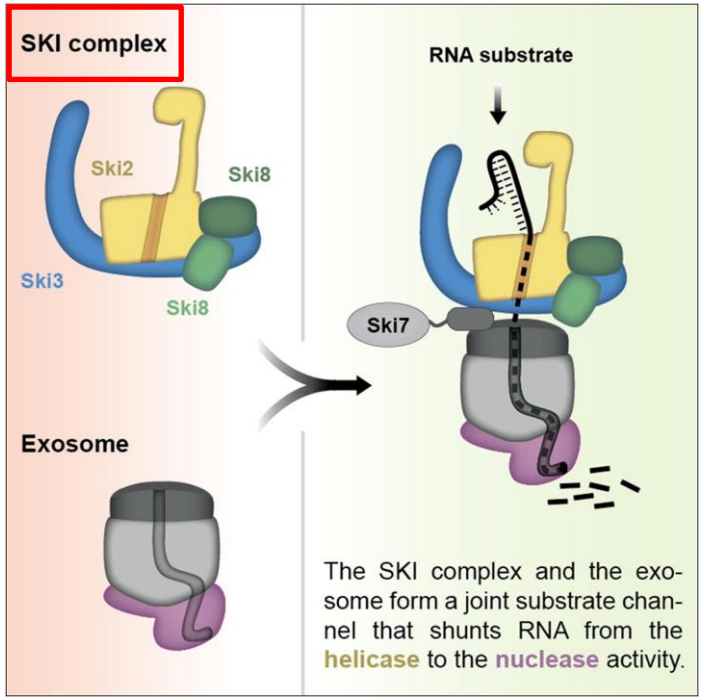
Pan-Viral Treatment Design – Corona, Influenza, Ebola

- SKI complex ID'd as a potential broad-spectrum antiviral target
- Initial data suggested functional link between viral proteins and SKI
- Computer modeling ID'd potential drug binding pockets on SKI
- Computer modeling to design compounds to bind SKI pockets
- Screening ID'd specific compounds that inhibit various viruses
- Inhibited viruses include influenza, Ebola and Corona

Sources: https://www.microbiologyresearch.org/content/journal/acmi/10.1099/acmi.ac2020.po0018

Weston et al. (2020) see previous slide

See also https://www.prnewswire.com/news-releases/aikido-pharma-inc-announces-key-progress-in-computational-approaches-to-identify-virus-treatments-including-coronavirus-301091089.html



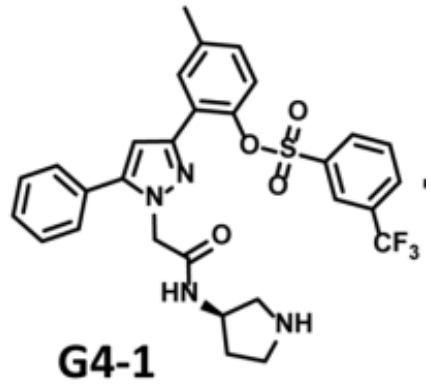
Source: https://www.cell.com/fulltext/S0092-8674(13)00888-X

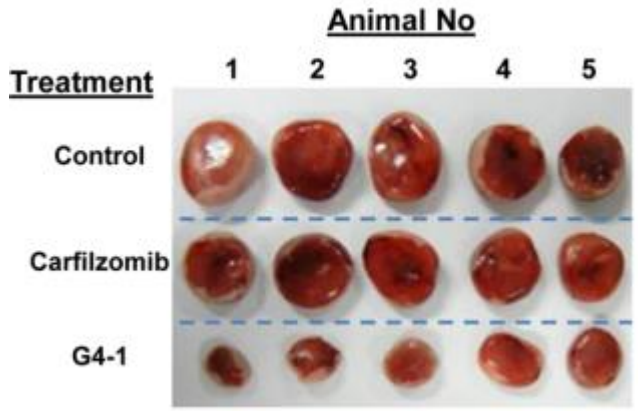
Cell 2013 154814-826 DOI: (10.1016/j.cell.2013.07.017)

Halbach et al. (2013) "The Yeast Ski Complex: Crystal Structure and RNA Channeling to the Exosome Complex" *Cell* 154:814-826

UK G4-1 for Solid Tumor Treatment

- Right to license and SRA to study 30-day survival in mice vs. competitor drugs
- Right to license lasts until 45 days after results reported to us under SRA (extendable)
- Computer-designed drug isolated from ~340,000 candidates
- Effective against solid tumors, unlike competitors
- Excellent metabolic stability profile relative to competitors
- Works in cancers already resistant to competitor drugs
- Patent subject to our Option expires 2035
- Synthesis of drug to use in 30-day study almost complete





Source: https://pubs.acs.org/doi/10.1021/jm501344n

Miller *et al.* (2015) *J. Med. Chem 68:2036-41*

Other Programs

Wake Forest's KPC34 for AML and ALL

- Licensed to KPC34 for treatment of Acute Myeloid Leukemia (AML) and Acute Myeloid Leukemia (ALL)
- Small target patient populations: AML ~21K new/yr and ALL ~6K/yr:
- Eligible for Orphan Drug Designation, providing 7 years market exclusivity
- KPC34 also based on gemcitabine, like UT's DHA-dFdC

Silo Pharma - Psylocybin Treatment in Cancer Patients

- Silo recently granted us a worldwide exclusive, sublicensable, royalty-bearing license to four patent applications relating to delivering psilocybin directly to neuroinflamed tissue
- Field of use includes "treatment of cancer and symptoms caused by cancer, including but not limited to pain, nausea, neuroinflammation, brain and neural dysfunction, depression, seizures, confusion, dizziness, numbness/tingling, dysfunction of the senses and all other symptoms that are caused by cancer of any type."
- Currently seeking partners in academia to test in animal models.

Capital Structure

Clean Capital Table

Outstanding Warrants & Preferred Stock

Cap Table	
Common Stock	88,881,863
Warrants	5,239,231[1]
Options	384,304
Convertible Preferred Stock	688
Total Fully Diluted Shares	94,530,369

[1] The weighted average exercise price for warrants is $3.08 (as of 3/1/21)

Share price	$1.33
52-week range	$0.47 - $5.46
Market Cap	$118.21M

As of March 1, 2021

Cash and Cash Equivalents	~$102,000,000.00

As of March 1, 2021

Scientific Advisory Board

Zhengrong (Rong) Cui

Professor and Alfred and Dorothy Mannino Fellow in Pharmacy at The University of Texas at Austin (UT Austin), College of Pharmacy, Division of Molecular Pharmaceutics and Drug Delivery.

Scott Tagawa

Scott T. Tagawa, MD, MS, FACP is a Professor of Medicine & Urology at Weill Cornell Medicine, and an Attending Physician at New York-Presbyterian – Weill Cornell Medical Center.

Andreas Typaldos

Mr. Typaldos, a veteran IT entrepreneur, is CEO of Petra Acquisition, a life sciences company (with a recent $73M Nasdaq IPO); Executive Chairman of Melontus, a holding company in Digital Health, CLOUD, Enterprise Software, Communications, and AI; as well as AI Advisory Board Member at AIkido Pharma.

Neil H. Bander, M.D.

Director of Urologic Oncology Research and Bernard and Josephine Chaus Professor of Urological Oncology at Weill Cornell Medicine.

See https://aikidopharma.com/scientific-advisory-board/ for full background information

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