

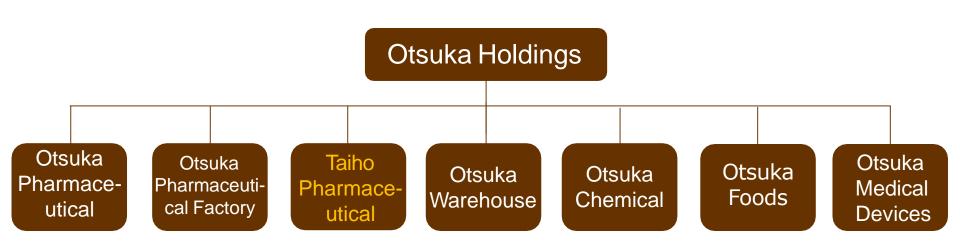
Taiho Ventures, LLC

Mar 2021



Taiho Pharmaceutical Co., Ltd.

- □ Japanese specialty pharma company established in 1963, focusing on oncology, allergies/immunology, and urology.
- □ 75% of Revenues generated by oncology products while US sales contribute 20%.
- ☐ Aggressively allocating 26.3% for R&D.
- Strong Cash Balance for the potential partnering activities.
- □ Location: Japan, US/Canada, UK, Asia
- ☐ 2000+ FTEs globally





Taiho Ventures Fact Sheet

Inception	2016
Business	Investment into Global Biotech Ventures
Office	Menlo Park, CA
Investment Team	5
Investment Pool	\$300M
Report Line	Global Chief Corporate Officer
Goal of Investment	Strategic Benefits > Financial Returns

Strategic Benefits:

- ☐ Invest in promising biotech ventures with potential alliance opportunities in the near future
- ☐ Introduce deal flow to R&D and BD Group for potential business alliance
- ☐ Access to new biology beyond Internal R&D
- □ Option Investment including establishing Build to Buy opportunities
- ☐ Create spin-out companies using Taiho pipeline programs



Team Members



Sakae Asanuma, MBA/CFA, President & CEO

- Former CEO at Astellas Venture & US Head of Astellas Innovation Management
- Bay Area based biotech venture investor since 2000
- 45 Investments achieving 15 IPOs and 10 M&As
- 20- Research Collaborations incl. Build to Buys, Option Investments & Spin-outs



Seiji Miyahara, Ph.D, Senior Investment Director

- Joined Taiho Ventures in 2016
- 12 years extensive experience in oncology drug discovery, medicinal chemistry at Taiho
 (5 years experience as a project leader)
- Developed first-in-class dUTPase/DPD dual inhibitor (PII) and novel protein-protein interaction inhibitor of RNR (PI)



Shinichi Hasako, Ph.D, Investment Director

- 16 years experience in drug discovery and biomarker development for anti-caner agent at Taiho and Banyu/Merck
- Engaged in kinase inhibitor and HSP inhibitor projects
- Biology and product lead for a novel EGFR-TKI targeting exon 20 insertion mutation (FIH in 2019)



Hitoshi Miyakoshi, PhD, Asso. Investment Director

- 15 years experience as medicinal chemist in drug discovery for anti-cancer agent at Taiho
- Engaged in and led cancer metabolism and brain cancer projects
- Area of expertise: nucleosides, enzyme/kinase inhibitors, CNS drugs



Takaaki Ishii, MS, Asso. Investment Director

- 10 year at Taiho
- 4 years experience in Taiho medical affairs team for Abraxane (nab-paclitaxel) and Keytruda (pembrolizumab)
- 1 year experience in Global Portfolio Strategy Dept.



Investment Criteria

Invest	ment Sectors:
	Drug Discovery (1st-in-class or New biology based approach)
	Innovative Platform Technologies for Drug Discovery
	Spin-out/Company creation from Taiho Pipelines & Academia assets
	Medical Device/Diagnostics/Digital Health (opportunistic)
Thera	peutics Area:
	Oncology
	Non-oncology indications approachable by innovative oncology platform
Modal	ity:
	Small molecules
	Biologics/Oncolytic virus
	Gene/Cell Therapy
Stage:	
	Research to Pre-IND
	IND to PoC (opportunistic)
Invest	ment size:
	Up to \$ 10.0 M for INITIAL INVESTMENT
	Up to \$ 20.0 M per COMPANY
	Lead/Co-lead as well as Syndication
Regio	n:
	Mainly US, EU, Japan and China



Current Oncology Interest and Portfolio

(Examples of Potential Investment Arena)

Immune checkpoint pathway	CAR-T/TCR-T	In vivo CAR-T	2 nd generation T cell engager	Post PD-1 (tumor microenvironment)	Cytokine			
ARCUS Next©ure	PAC1T pharma	ORNA	HARPOON Therapeutics	Nextoure Werewolf THERAPEUTICS	Werewolf THERAPEUTICS			
Next generation oncolytic virus	Microbiome	Cancer resistance	Intracellular undruggable targets	Protein degrader/ stabilizer	DNA damage response			
THEOLYTICS	AXIAL THERAPEUTIOS"	ORIC	Company X		BREAKPOINT			
Chromatin remodeling	RNA epigenetics/ modulator/ splicing/editing	Undisclosed brand-new MOA to deplete cancer cells	Exoneural biology in cancer	New target ID platform (e.g. single cell analysis, AI-based approach)	Autophagy			
	TORM	dren bio						

Favorite cancer type : Pancreas/GBM/GI



> Arcus Biosciences, Inc. (Hayward, CA) IPO in 2018

Developing multiple innovative immuno-oncology programs, including combination therapies, led by the successful management team of Flexus Biosciences. Major investors include GV, The Column Group (TCG), Foresite Capital, DROIA, Invus, Novartis and Celgene.



(2016 Fierce Biotech Top 15 Companies)

> PACT Pharma, Inc. (Hayward, CA)

Developing personalized T cell therapies targeting neo-antigens, based on the innovative platform technology licensed from Caltech. Major investors include GV, Foresite Capital, DROIA, Invus and Pontifax. Scientific Founders are David Baltimore (Nobel Prize winner for his discovery of reverse transcriptases) and Toni Ribas (conducted clinical research on anti-CTLA-4/anti-PD-1 antibodies).



Harpoon Therapeutics, Inc. (South SF, CA) IPO in 2019
Immuno-oncology company developing the next generation bispecific T-cell engagers
(TriTAC) for solid tumors, founded by Patrick Baeuerle, an inventor of Blincyto. Major investors include MPM, New Leaf Ventures and Arix Biosciences.



Storm Therapeutics, Ltd. (Cambridge, UK)

A pioneer in the field of RNA epigenetics, focusing on developing small molecule inhibitors of RNA-modifying enzymes for the treatment of cancer. Tony Kouzarides and Eric Miska, two professors at the University of Cambridge, founded the company with investors of M Ventures, Cambridge Innovation Capital, Pfizer Venture Investments, IP Group and Taiho Ventures.





ORIC Pharmaceuticals, Inc. (South SF, CA) IPO in 2020
ORIC was started around Charles Sawyers' scientific focus of Overcoming
Resistance in Cancer (ORIC). Their lead program is a small molecule
glucocorticoid receptor antagonist and major investors are TCG, OrbiMed
Advisors, Topspin, Foresite Capital and Fidelity.



NextCure, Inc. (Beltsville, MD) IPO in 2019 Co-founded by Lieping Chen and developing first-in-class immunotherapy-based biologics with proprietary target ID platform. Their lead program is anti-Siglec-15 antibody and major investors are Canaan Partners, OrbiMed Advisors, Pfizer Ventures and Sofinnova Ventures.



Cullinan Pearl Corp. (Cambridge, MA)
Co-founded by Cullinan Oncology and Taiho. The company is developing anovel EGFR exon 20 insertion mutation kinase inhibitor TAS6417 licensed from Taiho Pharma.



Axial Biotherapeutics, Inc. (Waltham, MA)
Developing a unique class of gut-targeted therapeutics for CNS diseases with innovative platform technology that targets the gut-brain axis. The company is expand its platform to oncology space. Scientific founder is Sarkis Mazmanian and major investors are Longwood, DOMAIN and Seventure.

(2017 Fierce Biotech Top 15 Companies)





Breakpoint Therapeutics GmbH (Hamburg, Germany) Co-founded by Medicxi Ventures, Taiho Ventures and Evotec, a spin-out company from Evotec focusing on DNA damage response with drugdiscovery platform and deep expertise in this field.



Werewolf Therapeutics (Cambridge, MA)

Powerful protein engineering platform for novel immuno-stimulatory therapeutics designed to act selectively within the tumor microenvironment to enhance the immune response to cancer. Major investors are MPM Capital and Longwood.



(The NextGen Bio Class of 2021)

Dren Bio (San Carlos, CA)

Enhanced antibody-based platform for depletion of disease-causing cells through a novel MOA. Potential applications are including solid tumors, hematologic neoplasms, infectious diseases and protein aggregate diseases. Major investors are SR One, 8VC, BVF, HBM and Mission BioCapital.



Theolytics (Oxford, UK)

Focused on creating a step-change in the oncolytic viral therapy field, by using its phenotypic screening platform to discover and develop highly efficacious, targeted candidates, suitable for intravenous delivery and optimized for a chosen cancer patient population. Major investors are Epidarex and Oxford Science Innovation.





Company X

Drug discovery company focusing on untapped intracellular undruggable targets

Orna Therapeutics (Cambridge, MA)

Game-changing gene therapy with synthetic circular RNA (oRNA) applicable to a broad set of diseases including cancer, autoimmune, and genetic disorders. In particular, oRNA has a potential to manufacture CAR-T cells in the body (*in situ* CAR therapy). Major investors are MPM Capital and F2 Ventures.





Open Innovation Support

Taiho Venture's Capability & Function

- Identify the innovative opportunities and work with Taiho R&D and BD Group
- Term Sheet Negotiation with potential partners
- Internal Presentation to promote the partnering opportunities

"Early Stage BD"



Innovative R&D Collaboration with Arcus Biosciences (a Taiho Ventures portfolio)

Innovative deal structure: Term Sheet negotiated by Taiho Ventures Opted in AB928 ($A_{2a}R$ and $A_{2b}R$ dual antagonist) in 2018

Arcus Biosciences Announces Option and License Agre Taiho Pharmaceutical Co. Ltd.



September 19, 2017 09:30 PM Eastern Daylight Time

HAYWARD, Calif.--(BUSINESS WIRE)--Arcus Biosciences, a US-based biotechnology company focused on the discovery and development of innovative cancer immunotherapies, announced today that it has entered into an option and license agreement with Taiho Pharmaceutical Co. Ltd., for the potential development and commercialization of product candidates in Arcus's portfolio in Japan and certain other territories in Asia (excluding China).

"We founded Arcus in 2015 to create a broad portfolio of novel molecules that target the most prevalent mechanisms of tumor-induced immunosuppression"



"We founded Arcus in 2015 to create a broad portfolio of novel molecules that target the most prevalent mechanisms of tumor-induced immuno-suppression," said Terry Rosen, Arcus's CEO, "Our relationship with TAIHO began with the inaugural investment of Taiho Ventures in Arcus in 2016, and since that time, we have come to recognize an alignment in vision with TAIHO. We are thrilled to collaborate with TAIHO on the advancement of our rapidly growing pipeline for the benefit of patients in Japan and other important territories in Asia. Given its significant expertise in the oncology area, we are confident that TAIHO will maximize the value of our programs in these regions. We look forward to advancing at least

four immuno-oncology product candidates into clinical development by the end of 2018."

Based on the terms of the agreement, Arcus will receive \$35mm in payments during the first three years of the agreement. In return for these payments, TAIHO will receive an option to in-license the development and commercialization rights in its region to clinical stage product candidates from Arcus's portfolio over a five-year term. For any product candidate for which TAIHO exercises a license, Arcus will receive an option payment and is eligible to receive up to \$275mm in development, regulatory and commercial milestone payments per molecule. Arcus is also eligible to receive royalties on the net sales of each product



Spin-out activities using Taiho molecules





February 5, 2019 Taiho Pharmaceutical Co., Ltd. Cullinan Oncology, LLC

Taiho Pharmaceutical and Cullinan Oncology Establish Collaboration

to Develop TAS6417, Novel EGFR Tyrosine Kinase Inhibitor

-FIH Study in EGFR Exon 20 Insertions Will Commence in 2019-

Taiho Pharmaceutical Co., Ltd. and Cullinan Oncology, LLC announced on February 5 an agreement to develop TAS6417, a novel EGFR (epidermal growth factor receptor) tyrosine kinase inhibitor discovered by Taiho Pharmaceutical.

Under the terms of the agreement, Taiho Pharmaceutical will grant an exclusive, global license ex-Japan for the development and commercialization of TAS6417 to Cullinan Pearl, a newly formed US-based company under the Cullinan Oncology umbrella. Taiho Pharmaceutical will receive an upfront payment, regulatory and sales milestones, as well as royalties based on net sales. Taiho Ventures, LLC, a strategic corporate venture arm of Taiho Pharmaceutical, alongside Cullinan Oncology, will provide funding for Cullinan Pearl's Series A.



Option investment into Axial Biotherapeutics

Axial Biotherapeutics Announces \$10M Investment from Taiho Ventures to Access Axial's Expertise in the Gut-Brain Axis

- \$10M investment as Series B extension, bringing total amount raised to \$35M -

- Direct investment for the discovery of gut targeted, small molecule therapeutics in oncology utilizing Axial's novel platform technology -

June 20, 2019 08:01 AM Eastern Daylight Time

WALTHAM, Mass.--(BUSINESS WIRE)--Axial Biotherapeutics, a biotechnology company dedicated to building a unique class of guttargeted therapeutics for neurodegenerative diseases and neurodevelopmental disorders, today announced a direct investment of \$10 million from Taiho Ventures, LLC to fund the discovery and development of novel gut-targeted, small molecule approaches in oncology.

"Axial has built, and continues to build, an exciting and innovative discovery platform that targets the gut-brain axis but we also believe that additional diseases and disorders outside of CNS can stem from the gut microbiome"



"Axial has built, and continues to build, an exciting and innovative discovery platform that targets the gut-brain axis but we also believe that additional diseases and disorders outside of CNS can stem from the gut microbiome," said David H. Donabedian, Ph.D., co-founder and CEO of Axial Biotherapeutics. "We are pleased that Taiho Ventures sees the potential of this discovery platform, and we are honored to have their support as we look to progress the breadth and depth of our scientific platform. Just as we have done with the CNS space, we look to reshaping the scientific understanding of oncology with gut-targeted therapies."

The \$10 million investment from Taiho Ventures is an extension of Axial's previously closed Series B round in February 2019. With this investment, Axial has raised a total of \$35 million in its Series B financing. In conjunction with this investment, Axial will maintain control of the new oncology programs and Taiho Ventures will have a first right to negotiate for an exclusive license related to the new programs. Axial retains all of its rights to its existing CNS programs.