NEWS RELEASE

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KYORIN Holdings, Inc.
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KYORIN and aTyr to Collaborate on Novel Immunomodulator

KYORIN Holdings, Inc. today announced that its wholly owned subsidiary KYORIN Pharmaceutical Co., Ltd. (Head office: Chiyoda-ku, Tokyo, President & CEO: Shigeru Ogihara, "**Kyorin**") has entered into a collaboration and license agreement with aTyr Pharma, Inc. (Head office: San Diego, CA, President & CEO: Sanjay Shukla, "**aTyr**") for Japan with regard to ATYR1923, aTyr's novel immunomodulator. The agreement grants to Kyorin an exclusive license to develop and commercialize ATYR1923 for interstitial lung diseases in Japan.

Under the terms of the agreement, Kyorin will make an upfront payment of \$8 million for the exclusive license and success-based development, regulatory and sales milestone payments of up to \$167 million to aTyr. Following the commercial launch of the product in Japan, aTyr will be eligible to receive royalties based on product net sales by Kyorin.

ATYR1923 is a fusion protein drug having the action to suppress, by binding to neuropilin-2 (NRP2) receptor, the excessive activation of immune cells, and is a potential first-in-class therapy to treat inflammatory diseases such as pulmonary sarcoidosis. aTyr is currently enrolling a Phase 1b/2a clinical trial for ATYR1923 in patients with pulmonary sarcoidosis in the United States.

Kyorin is pursuing a strategy to concentrate its managerial resources on the strategic fields of respiratory, otolaryngology and urology. This collaboration will further Kyorin's respiratory product lineup to ensure its presence in that therapeutic area.

We will record the upfront payment to aTyr under this transaction as selling and general administrative expenses (research and development expenses) in the fiscal year ending March 2020, and will promptly announce on the occurrence of any matter to be disclosed in a timely manner.

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About aTyr Pharma, Inc.

Foundation:	2005
President & CEO:	Sanjay Shukla
Employees:	42 (as of March 15, 2019)
Overview:	aTyr is a biotherapeutics company engaged in the discovery and development of
	innovative medicines based on novel immunological pathways. aTyr's research
	and development efforts are concentrated on a newly discovered area of biology,
	the extracellular functionality and signaling pathways of tRNA synthetases. aTyr
	has built a global intellectual property estate directed to a potential pipeline of
	protein compositions derived from 20 tRNA synthetase genes and their
	extracellular targets. For more information, please visit
	http://www.atyrpharma.com.

About KYORIN Pharmaceutical Co., Ltd.

Foundation:	December 1923
President & CEO:	Shigeru Ogihara
Annual Sales:	JPY 99.736 billion (Fiscal Year ending on March 31, 2019)
Employees:	1,567 (as of March 31, 2019)
Overview:	Trusted among patients and professionals in the medical industry, KYORIN
	Pharmaceutical strives to be a company that contributes to the public health and is
	recognized as a one with social significance by improving its presence in the
	specific therapeutic areas and through global discovery of novel drugs. KYORIN
	Pharmaceutical uses franchise customer strategy where its marketing efforts are
	focused on respiratory medicine, otolaryngology and urology. In drug discovery,
	it is deploying 'selection and concentration' and promoting activities aimed at
	first-in-class drug discovery, such as actively searching for and introducing
	external drug discovery themes as well as multi-tiered program development.

About Feature and Mode of Action of ATYR1923

aTyr is developing ATYR1923 as a potential therapeutic for patients with interstitial lung diseases. ATYR1923, a fusion protein comprised of the immuno-modulatory domain of histidyl tRNA synthetase fused to the FC region of a human antibody, is a selective modulator of Neuropilin-2 that downregulates the innate and adaptive immune response in inflammatory disease states. aTyr is currently enrolling a proof-of-concept Phase 1b/2a trial evaluating ATYR1923 in patients with pulmonary sarcoidosis. This Phase 1b/2a study is a multi-ascending dose, placebo-controlled, first-in-patient study of ATYR1923 that has been designed to evaluate the safety, tolerability, steroid sparing effect, immunogenicity and pharmacokinetics profile of multiple doses of ATYR1923.

NRP2 (Neuropilin-2) function

NRP2 is a multifunctional single-spanning trans-membrane glycoprotein that plays a central role in lymphatic vessel development and modulates inflammatory reactions. NRP2 is expressed in various immune cells in inflammatory conditions where they regulate a myriad of functions, including migration, recruitment, phagocytosis and communication between different immune cells. aTyr confirms the contribution of NRP2 in pathogenesis of lung by detecting of the high expression of NPR2 in lung granulomas in patients with lung sarcoidosis.

About Sarcoidosis

Sarcoidosis is an inflammatory disease characterized by the formation of granulomas, clumps of inflammatory cells, in one or more organs in the body. Sarcoidosis affects people of all ages, but typically presents before the age of 50 years, with the incidence peaking at 20 to 39 years. The disorder usually begins in the lungs, skin or lymph nodes, but can affect almost any organ. Sarcoidosis in the lungs is called pulmonary sarcoidosis and affects 90% or more of patients with sarcoidosis have lung involvement. Pulmonary sarcoidosis is a major form of interstitial lung disease (ILD) a group of immune-mediated disorders which cause progressive fibrosis of the lung interstitium. Estimates of prevalence vary, however, current data indicate that approximately 20,000 Japanese and 200,000 Americans live with pulmonary sarcoidosis. The prognosis for patients with pulmonary sarcoidosis ranges from benign and self-limiting to chronic, debilitating disease and death.