

September 29, 2017



## Syros to Present Biomarker Data from Ongoing Phase 2 Clinical Trial of SY-1425 at ESH Conference on AML

CAMBRIDGE, Mass.--(BUSINESS WIRE)-- Syros Pharmaceuticals (NASDAQ: SYRS), a biopharmaceutical company pioneering the discovery and development of medicines to control the expression of disease-driving genes, today announced that the Company will present biomarker data from its ongoing Phase 2 clinical trial of SY-1425, an oral first-in-class selective retinoic acid receptor alpha (RAR $\alpha$ ) agonist, in genomically defined subsets of patients with acute myeloid leukemia (AML) and myelodysplastic syndrome (MDS) at the European School of Haematology's 4th International Conference on Acute Myeloid Leukemia "Molecular and Translational": Advances in Biology and Treatment taking place October 5-7 in Estoril, Portugal.

The presentation will describe Syros' proprietary *RARA* and *IRF8* biomarkers, including their prevalence in AML and MDS patients screened for enrollment in the Phase 2 clinical trial to date. The presentation will also include data correlating biomarker status with myeloid differentiation in cells taken from patients upon screening for the trial and then treated *ex vivo* with SY-1425.

Details on the presentations are as follows:

Date & Time: Friday, October 6, from 7:05 – 8:30 p.m. WEST (2:05 -3:30 p.m. EDT)

Presentation Title: Novel *RARA* Pathway Activation Biomarkers in Study SY-1425-201

Define a New Subset of AML and MDS Patients and Correlate with Myeloid Differentiation Following *Ex Vivo* SY-1425 Treatment

Session Title: Molecular Therapeutics

Presenter: Emmanuelle di Tomaso, Ph.D., Vice President, Translational Medicine, Syros

Abstract Number: 8882

Location: Estoril Congress Centre

### About Syros Pharmaceuticals

Syros Pharmaceuticals is pioneering the understanding of the non-coding region of the genome to advance a new wave of medicines that control expression of disease-driving genes. Syros has built a proprietary platform that is designed to systematically and efficiently analyze this unexploited region of DNA in human disease tissue to identify and drug novel targets linked to genomically defined patient populations. Because gene expression is fundamental to the function of all cells, Syros' gene control platform has broad potential to create medicines that achieve profound and durable benefit across a range of diseases. Syros is currently focused on cancer and immune-mediated diseases and is advancing a growing pipeline of gene control medicines. Syros' lead drug candidates are SY-1425, a selective RAR $\alpha$  agonist in a Phase 2 clinical trial for genomically defined subsets of patients with acute myeloid leukemia and myelodysplastic syndrome, and SY-1365, a

selective CDK7 inhibitor in a Phase 1 clinical trial for patients with advanced solid tumors, including transcriptionally dependent cancers such as triple negative breast, small cell lung and ovarian cancers. Led by a team with deep experience in drug discovery, development and commercialization, Syros is located in Cambridge, Mass.

### **Cautionary Note Regarding Forward-Looking Statements**

This press release contains forward-looking statements within the meaning of The Private Securities Litigation Reform Act of 1995, including without limitation statements regarding the therapeutic benefit of SY-1425 and the benefits of Syros' gene control platform. The words "anticipate," "believe," "continue," "could," "estimate," "expect," "intend," "may," "plan," "potential," "predict," "project," "target," "should," "would," and similar expressions are intended to identify forward-looking statements, although not all forward-looking statements contain these identifying words. Moreover, there can be no assurance that data generated to date in the ongoing Phase 2 clinical trial of SY-1425 are predictive of the ability of such trial to meet any of its endpoints. Actual results or events could differ materially from the plans, intentions and expectations disclosed in these forward-looking statements as a result of various important factors, including Syros' ability to: advance the development of its programs, including SY-1425 and SY-1365, under the timelines it projects in current and future clinical trials; demonstrate in any current and future clinical trials the requisite safety, efficacy and combinability of its drug candidates; replicate scientific and non-clinical data in clinical trials; successfully develop a companion diagnostic test to identify patients with the RARA and IRF8 biomarkers; obtain and maintain patent protection for its drug candidates and the freedom to operate under third party intellectual property; obtain and maintain necessary regulatory approvals; identify, enter into and maintain collaboration agreements with third parties; manage competition; manage expenses; raise the substantial additional capital needed to achieve its business objectives; attract and retain qualified personnel; and successfully execute on its business strategies; risks described under the caption "Risk Factors" in Syros' Quarterly Report on Form 10-Q for the quarter ended June 30, 2017, which is on file with the Securities and Exchange Commission; and risks described in other filings that Syros makes with the Securities and Exchange Commission in the future. Any forward-looking statements contained in this press release speak only as of the date hereof, and Syros expressly disclaims any obligation to update any forward-looking statements, whether because of new information, future events or otherwise.

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#### **Media Contact:**

Syros Pharmaceuticals  
Naomi Aoki, 617-283-4298  
[naoki@syros.com](mailto:naoki@syros.com)

or

#### **Investor Contact:**

Stern Investor Relations, Inc.  
Hannah Deresiewicz, 212-362-1200  
[hannahd@sternir.com](mailto:hannahd@sternir.com)

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