NanoString Technologies Announces Eleven Prosigna/PAM50 Presentations at the 2015 CTRC-AACR San Antonio Breast Cancer Symposium

SEATTLE, Dec. 7, 2015 (GLOBE NEWSWIRE) -- NanoString Technologies, Inc. (NASDAQ:NSTG), a provider of life science tools for translational research and molecular diagnostic products, today announced that eleven posters for the Prosigna® Breast Cancer Gene Signature Assay and the PAM50 gene signature, the basis for Prosigna, will be presented at the 38th Annual CTRC-AACR San Antonio Breast Cancer Symposium (SABCS). The presentations include:

- Multiple decision impact studies demonstrating Prosigna’s influence on adjuvant therapy selection by physicians
- A study by the Danish Breast Cancer Group validating previous observations that the Prosigna risk of recurrence score can predict the probability of loco-regional recurrence
- Studies evaluating the ability of Prosigna/PAM50 to predict response to various therapies in the neoadjuvant and metastatic setting
- A study describing the differences in intrinsic subtype distribution between patients of African descent and Caucasian descent
- A description of the ongoing OPTIMA clinical trial, describing the prospective evaluation of Prosigna as a test to identify node-positive breast cancer patients who may be spared adjuvant chemotherapy

Following are details for the Prosigna/PAM50 posters to be presented (all times shown are Central Standard Time):

**Thursday, December 10**

**Session #:** Poster Session 2, P2-08-10
**Abstract Title:** Validation of prediction of local recurrence (LR) by Prosigna® (PAM50) in a Danish breast cancer cooperative group (DBCG) cohort of hormone receptor positive (HR+), postmenopausal early breast cancer (EBC) patients allocated to 5yr of endocrine therapy (ET)
**Location:** Halls A-B
**Time:** 7:30AM - 9:00AM

**Session #:** Poster Session 2, P2-08-16
**Abstract Title:** Prognostic and predictive abilities of intrinsic subtype in hormone receptor-positive metastatic breast cancer from the EGF30008 phase III clinical trial
**Location:** Halls A-B
**Time:** 7:30AM - 9:00AM

**Session #:** Poster Session 3, P3-07-14
**Abstract Title:** Prosigna® intrinsic subtyping predicts response to neoadjuvant combination therapy in study that includes herceptin within HER2+ (IHC) patients
**Location:** Halls A-B
**Time:** 5:00PM - 7:00PM

**Session #:** Poster Session 3, P3-07-15
**Abstract Title:** Prosigna subtype correlation is a strong predictor of response to neoadjuvant chemotherapy (NAC) in early breast cancer (EBC) study
**Location:** Halls A-B
**Time:** 5:00PM - 7:00PM

**Session #:** Poster Session 3, P3-07-42
**Abstract Title:** Predicting outcome and benefit to first-line bevacizumab in advanced/metastatic hormone receptor (HR+)/HER2-negative breast cancer (BC) treated with endocrine therapy: A correlative science study from the LEA phase III clinical trial (GEICAM/2006-11_GBG 051)
**Location:** Halls A-B
About the Prosigna® Breast Cancer Prognostic Gene Signature Assay and nCounter® Dx Analysis System

The Prosigna Assay provides a risk category and numerical score for assessment of the risk of distant recurrence of disease at 10 years in postmenopausal women with node-negative (Stage I or II) or node-positive (Stage II), hormone receptor-positive (HR+) breast cancer. Based on the PAM50 gene signature initially discovered by Charles Perou, Ph.D. and colleagues, the Prosigna Assay is an in vitro diagnostic tool that utilizes gene expression data weighted together with clinical variables to generate a risk category and numerical score to assess a patient's risk of distant recurrence of disease. The Prosigna Assay measures gene expression levels of RNA extracted from formalin-fixed paraffin embedded (FFPE) breast tumor tissue previously diagnosed as invasive breast carcinoma. The Prosigna Assay requires minimal hands-on time and runs on NanoString's proprietary nCounter® Dx Analysis System, which offers a reproducible and cost-effective way to profile many genes simultaneously with high sensitivity and precision.

The nCounter Dx Analysis System is a highly automated and easy-to-use platform that utilizes a novel digital barcoding chemistry to deliver high precision multiplexed assays. The system is available in the multi-mode FLEX configuration, which is designed to meet the needs of high-complexity clinical laboratories seeking a single platform with the flexibility to run the Prosigna Breast Cancer Assay and, when operated in the "Life Sciences" mode, process translational research experiments.
and multiplexed assays developed by the laboratory.

In the United States, the Prosigna Assay is available for diagnostic use when ordered by a physician. The Prosigna Assay has been CE-marked and is available for use by healthcare professionals in the European Union and other countries that recognize the CE Mark, as well as Canada, Israel, Australia, New Zealand and Hong Kong.

In the U.S., the Prosigna Assay is indicated in female breast cancer patients who have undergone surgery in conjunction with locoregional treatment consistent with standard of care, either as: (1) a prognostic indicator for distant recurrence-free survival at 10 years in postmenopausal women with Hormone Receptor-Positive (HR+), lymph node-negative, Stage I or II breast cancer to be treated with adjuvant endocrine therapy alone, when used in conjunction with other clinicopathological factors or (2) a prognostic indicator for distant recurrence-free survival at 10 years in postmenopausal women with Hormone Receptor-Positive (HR+), lymph node-positive (1-3 nodes), Stage II breast cancer to be treated with adjuvant endocrine therapy alone, when used in conjunction with other clinicopathological factors. The device is not intended for patients with four or more positive nodes.

For more information, please visit www.prosigna.com.

**About NanoString Technologies, Inc.**

NanoString Technologies provides life science tools for translational research and molecular diagnostic products. The company's nCounter Analysis System has been employed in life sciences research since it was first introduced in 2008 and has been cited in more than 900 peer-reviewed publications. The nCounter Analysis System offers a cost-effective way to easily profile the expression of hundreds of genes, proteins, miRNAs, or copy number variations, simultaneously with high sensitivity and precision, facilitating a wide variety of basic research and translational medicine applications, including biomarker discovery and validation. The company's technology has also been applied to diagnostic use. The Prosigna® Breast Cancer Prognostic Gene Signature Assay together with the nCounter Dx Analysis System is FDA 510(k) cleared for use as a prognostic indicator for distant recurrence of breast cancer.

For more information, please visit www.nanostring.com.

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