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Owlstone Medical and Actelion to develop a Breath-Based Test

23 May 2019 | News

The collaboration will initially involve collecting breath exhaled Volatile Organic Compounds (VOCs) from over 1,000 patients using Owlstone Medicalâ??s proprietary sampling device, ReCIVAÂ® from sites in the UK, US and other countries in the EU.



Owlstone Medical, the global leader in Breath Biopsy® for applications in early disease detection and precision medicine has announced a strategic collaboration with Actelion Pharmaceuticals Ltd, one of the Janssen Pharmaceutical Companies of Johnson & Johnson and a global leader in pulmonary arterial hypertension (PAH), to discover and validate a breath-based test to help facilitate the early diagnosis of pulmonary hypertension and its subtypes. This development program will be solely funded by Actelion.

Pulmonary hypertension (PH) is a progressive cardiopulmonary disease where the blood pressure increases in the vessels that transport blood from the heart to the lungs, placing strain on the right side of the heart and often leading to heart failure. Unfortunately, early diagnosis of PH is very difficult, and even at an advanced stage presents similar to other heart and lung conditions, so a delay of years between the onset of symptoms and diagnosis and treatment is common. There is therefore an urgent need for effective tools to facilitate screening and early diagnosis of patients presenting with early signs of PH and its sub-groups.

The collaboration will initially involve collecting breath exhaled Volatile Organic Compounds (VOCs) from over 1,000 patients using Owlstone Medical's proprietary sampling device, ReCIVA® from sites in the UK, US and other countries in the EU. These VOCs will be analyzed by Owlstone Medical to identify those that are associated with PH, in order to develop biomarker signature(s) that can help facilitate earlier detection of the disease.