

TrakCel joins Smart Cell Processing Project Ecosystem to standardise cell therapy processing and delivery

CARDIFF, WALES, UK – 14th July 2016. TrakCel, a leading provider of traceability technology to aid in the delivery of regenerative therapies, has announced that it has joined the *Smart Cell Processing Project Ecosystem*, a joint programme with academic and industrial partners.

Tokyo Electron established the Stem Cell Technology Centre and is working with over 15 partners to establish and standardise smart cell processing technologies to cultivate and inspect clinical grade stem cells.

TrakCel's involvement in the consortium delivers Needle-to-Needle Traceability, Chain of Custody and Chain of Identity across Clinical and Manufacturing domains.

Leveraging its solid track record and experience with manufacturing control applications in the pharmaceutical industry, Yokogawa Solution Service will develop a complete stem cell production quality management solution that will also control logistics and function as a manufacturing execution system (MES) and plant information management system (PIMS). In addition, Yokogawa is integrating a solution for the control of cell culture processes, making combined use of near-infrared spectroscopy and simulation-based model measurement.

"Cell therapies continue to show great promise but the current lack of integrated solutions to allow delivery at commercial scale and affordable cost remains a challenge. TrakCel's digital platform, allied to the best in class expertise of our consortium partners, delivers a comprehensive solution to this challenge and is further validation of our open innovation strategy." said Jon Curley, CTO and spokesman for TrakCel's partner program.

The announcement is part of a series of strategic developments within the business as it builds upon its Clinical and commercial success across the globe.

About TrakCel

TrakCel's cell, gene and immunotherapy management solution improves clinical study efficacy and accelerates product scale-up/scale-out by implementing communications technology to integrate the supply chain from end-to-end. The technology provides interactive instructions to professionals across the supply chain and gives stakeholders on-demand visibility of procedural results and chain-of-custody data for immediate traceability, validation and compliance audits.

TrakCel technology has been adopted leading companies in the cell therapy industry. TrakCel is headquartered in Cardiff, Wales.

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About Tokyo Electron

Tokyo Electron Limited (TEL) is a leading supplier of innovative semiconductor and flat panel display production equipment worldwide. All of TEL's semiconductor and flat panel display production equipment product lines maintain high market shares in their respective global segments. TEL has located research & development, manufacturing, sales, and service locations all over the world.

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About Yokogawa

Yokogawa's global network of 92 companies spans 59 countries. Founded in 1915, the US\$3.7 billion company engages in cutting-edge research and innovation. Yokogawa is active in the industrial automation and control (IA), test and measurement, and aviation and other businesses segments. The IA segment plays a vital role in a wide range of industries including oil, chemicals, natural gas, power, iron and steel, pulp and paper, pharmaceuticals, and food. For more information about Yokogawa, please visit www.yokogawa.com.