

BTI Seminar Announcement

Human embryonic stem cells - potential for developmental toxicity testing

Dr. Raimund Strehl, Cellartis

Abstract

Embryonic stem cells provide promising tools in the field of *in vitro* toxicology. They have the unique potential to differentiate into derivatives of all three germ layers and therefore, allow the detection of developmental toxic substances by evaluating their interference during the process of differentiation. However, while reliable toxicological test methods based on murine embryonic stem cells have been established previously, no such methods exist for human embryonic stem (hES) cells. In order to mimic the *in vivo* situation in humans and to avoid false classification of substances due to inter-species differences, human relevant testing methods based a mixture of early representatives from all three germ layers of hES cells are being developed.

About Speaker

Dr. Raimund Strehl – Head of Development / Laboratory Director
Raimund holds a Ph.D. in cell biology and has broad experience in cell culture, tissue engineering and bioreactor technology development. He has received his University education in Germany and the USA and has held several post-doctoral positions before joining Cellartis in 2003.

Host: Dr. Steve Oh, BTI

Venue: Creation @ MATRIX Level 4

Time: 5-6pm, 14th April