



**Andreas Kurtz, Ph.D.**, has been director of the German human embryonic stem cell research authority and heads the European Embryonic Stem Cell registry, as well as data management at the European Bank of induced pluripotent stem cells (EBiSC). He has developed the tool CellFinder to support cell based application and facilitate long term cell related data storage. As a faculty of the Berlin Center for Regenerative Therapies, he is carrying out efforts for the translation of stem cell research into clinical application. In addition, he is faculty of the Berlin School for Regenerative Therapies, an international graduate school fusing biology, clinical and engineering tracks. Prof. Kurtz has is also faculty at Seoul National University with a focus on biotechnology, bioinformatics and application of stem cells for regenerative therapies.

**Presentation title:** Human Pluripotent Stem Cell Registries and CellFinder: From registry to research tool

**Abstract:** Human embryonic stem cells and induced pluripotent stem cells have developed into a formidable research tool on the threshold to enter clinical and pharmaco-toxicological application. Tremendous amounts of data are generated for these and other cells, which requires new means for data storage, access and curation. Registries are means to access available pluripotent stem cells, ethical provenance, source data and scientific quality. The information should be useable for characterization, comparison, standardization and quality control of the cell lines, but also provide information on their application and usage. I present the efforts to establish and develop pluripotent stem cell registries using a European example and relate it to international efforts of banking and registration. I will also inform about a research platform for cells and their derivatives, CellFinder. CellFinder provides an open database and platform for integration of all available data relating to a specific cell type.