Isolierung seltener Einzelzellen: zirkulierende Tumorzellen (CTCs) und fetale Zellen

- Giannopoulou, L. et al. ***Liquid biopsy in ovarian cancer: recent advances on circulating tumor cells and circulating tumor DNA (Review)*** Clin. Chem.Lab. Med. Epub 2017


- Kølvraa, S. et al. ***Genome-wide copy number analysis on DNA from fetal cells isolated from the blood of pregnant women*** Prenat. Diagn. 2016


- Ma Y. et al. ***Droplet Digital PCR Based Androgen Receptor Variant 7 (AR-V7) Detection from Prostate Cancer Patient Blood Biopsies*** Int. J. Mol. Sci. 2016


- Neumann M.H. et al. ***Isolation and characterization of circulation tumor cells using a novel workflow combining CellSearch® and CellCelector™*** Biotechnol Prog. 2016


- Blassl C. et al. ***Gene expression profiling of single circulating tumor cells in ovarian cancer - Establishment of a multi-marker gene panel*** Molecular Oncology 2016


- Schneck H. et al. ***EpCAM-Independent Enrichment of Circulating Tumor Cells in Metastatic Breast Cancer*** PLoS One 2015


- Lohr, G.J. et al. ***Whole-exome sequencing of circulating tumor cells provides a window into metastatic prostate cancer*** Nature Biotechnology 2014


- Yao, X. et al. ***Tumor cells are dislodged into the pulmonary vein during lobectomy*** J. Thorac Cardiovasc. Surg. 2014


- Heidary, M. et al. ***The dynamic range of circulating tumor DNA in metastatic breast cancer*** Breast Cancer Res. 2014

- Adalsteinsson, V.A. et al. ***Single cells from human primary colorectal tumors exhibit polyfunctional heterogeneity in secretions of ELR + CXC chemokines*** Integr. Biol. (Cam.) 2013

Poster

- Lampignano, R. et al. ***The combination of Parsortix™ and CellCelector™ enables the characterisation of EpCAMneg CTCs in breast cancer*** Poster ISMRC 2016 Hamburg
- Neumann, M. et al. ***CellCelector isolation of CTCs enables additional marker staining followed by panel sequencing*** Poster ISMRC 2016 Hamburg
- Neumann, M. et al. ***CellCelector and CellSearch combined workflow*** Poster ACTC 2014 Crete
- Voigt, K. et al. ***Single cell sequencing of rare cells after magnetic enrichment*** Poster ISRMC 2013 Paris
- Berger, T. et al. ***Detection and characterization of CTCs in patients with hepatocellular carcinoma (HCC)*** Poster DGHO 2013 Vienna

Einzelzell-Isolierung (andere)

- Wang, J. et al. ***Single cell sequencing: a distinct new field*** Clinical and Translational Medicine 2017

- Ku, C.J. et al. ***GATA3 abundance is a critical determinant of T cell receptor beta allelic exclusion*** Mol Cell Biol. 2017

- Dura, B. et al. ***Longitudinal multiparameter assay of lymphocyte interactions from onset by microfluidic cell pairing and culture*** PNAS 113(26): E3599-608 2016

- Liao, M.C. et al. ***Single-Cell Detection of Secreted Aß and sAPPa from Human IPSC-Derived Neurons and Astrocytes*** J. Neurosci. 2016

- Wang, Y. et al. ***Advances and applications of single-cell sequencing technologies (Review)*** Molecular Cell. 2015

- Castellarnau, M. et al. ***Stochastic Particle Barcoding for Single-Cell Tracking and Multiparametric***

Analysis Small. 2015

- Navin, N.E. ***Cancer genomics: one cell at a time (Review)*** Genome Biol. 2014
- Cornils, K. et al. ***Multiplexing clonality - combining RGB marking and genetic barcoding*** Nucl. Acid Res. 2014
- Wuethrich, I. et al. ***A Mouse Monoclonal Antibody Against Alexa Fluor 647*** Monoclonal Antibodies in Immunodiagnosisand Immuntherapy 2014
- Kluth, S.M. et al. ***Increased Haematopoietic Supportive Function of USSC from Umbilical Cord Blood Compared to CB MSC and Possible Role of DLK-1*** Stem cells Int. 2013
- Sendra, V.G. et al. ***Detection and isolation of auto-reactive human antibodies from primary B cells*** Methods 2013
- Varadarajan, N. et al. ***High-throughput single-cell analysis of human CD8+ T cell functions reveals discordance for cytokine secretion and cytolysis*** J. Clin. Invest. 2011
- Choi, J.H. et al. ***Development and optimization of a process for automated recovery of single cells identified by microengraving*** Biotechnol. Prog. 2010

Poster

- Wagner, K. et al. ***Selection of reference genes for quantitative PCR of single cells*** Poster STS 2011

Isolierung adhärenter Kolonien (Stammzellen etc.)

- Segerman, A. et al. ***Clonal Variation in Drug and Radiation Response among Glioma-Initiating Cells Is Linked to Proneural-Mesenchymal Transition*** Cell Rep. 2016
- Cohen, I.S. et al. ***DNA lesion identity drives choice of damage tolerance pathway in murine cell chromosomes*** Nucl. Acid Res. 2015
- Shipony, Z. et al. ***Dynamic and static maintenance of epigenetic memory in pluripotent and somatic cells*** Nature 2014

- Marx, U. et al. ***Automatic Production of Induced Pluripotent Stem Cells*** Procedia CIRP 2013, volume 5, S. 2-6
ScienceDirect

- Haupt, S. et al. ***Automated selection and harvesting of pluripotent stem cell colonies*** , Biotechnol. Appl. Biochem. 2012

- Zoldan, K. et al. ***Automated harvest of induced pluripotent stem cell colonies and colony fractions using the cell separation robot CellCelector™*** nature methods application notes 2010

- Zoldan, K. et al. ***Automated isolation of semi-adherent macrophage-like cells from a fibroblast-contaminated culture using the cell separation robot Cellcelector™*** nature methods application notes 2010

- Haupt, S. et al. ***Automated selection and harvesting of pluripotent stem cell colonies using the CellCelector*** Nature Methods 2009

- Schneider, A. et al. ***"The good into the pot, the bad into the crop!" - a new technology to free stem cells from feeder cells*** PLoS One 2008

- Peterbauer, T. et al. ***Simple and versatile methods for fabrication of arrays of live mammalian cells*** Lab on a Chip 2006

Poster

- Planes, E. et al. ***Life Cell Imaging for Quality Control of Pluripotent Stem Cell Culture*** Poster ISSCR 2013 Boston

Protein- und Antikörperforschung

- Zoldan, K. et al. ***Automated clonal selection of high-producing hybridoma colonies from methylcellulose-based, semi-solid medium using the cell separation robot CellCelector™*** nature methods application notes 2010

- Caron A.W. et al. ***Fluorescent labeling in semi-solid medium for selection of mammalian cells secreting high-levels of recombinant proteins (CHO)*** BMC Biotechnol. 2009

- Julien, A. et al. ***Antigen specific antibody-producing clones selected by isotypes*** Biosystems

International Application Note

Präsentation

- Gilbert, R. ***Fluorescent labeling in Semi-Solid Medium to Identify High Expressing Clones for Recombinant Protein Production (CHO)*** CHI's Bioprocessing Summit Presentation, Boston 2011

Zellbeobachtung

- Zoldan, K. et al. ***Visualizing of migration, interaction, proliferation or differentation of cells in time lapse exposures using the cell separation robot CellCelector™*** nature methods application notes 2010