3D Cell Culture 2025, Poster Flash Talks, Programme (as of January 25)

Block I, Tuesday, 8 April 2025, 16:20-16:50 h

Chair: Dominik Egger, University of Natural Resources and Life Sciences, Vienna/A

Time	Poster-No.	Paper-ID	Title	Author details	Presenting author
16:20	P01	51749	Update on functional drug sensitivity profiling of 3D tumor tissue cultures in the pediatric precision oncology program INFORM	Heike Peterziel, Hopp Children's Cancer Center Heidelberg (KiTZ), German Cancer Research Center (DKFZ) and German Cancer Consortium (DKTK) Heidelberg, Heidelberg/DE;Luisa Becker, Hopp Children's Cancer Center Heidelberg (KiTZ), German Cancer Research Center (DKFZ) and German Cancer Consortium (DKTK) Heidelberg, Heidelberg/DE;Anna Loboda, Hopp Children's Cancer Center Heidelberg (KiTZ), German Cancer Research Center (DKFZ) and German Cancer Consortium (DKTK) Heidelberg, Heidelberg/DE;Annsophie Schmidt, Hopp Children's Cancer Center Heidelberg (KiTZ), German Cancer Research Center (DKFZ) and German Cancer Consortium (DKTK) Heidelberg, Heidelberg/DE;Sonja Herter, Hopp Children's Cancer Center Heidelberg (KiTZ), German Cancer Research Center (DKFZ) and German Cancer Consortium (DKTK) Heidelberg, Heidelberg/DE;Xenia Gerloff, Hopp Children's Cancer Center Heidelberg (KiTZ), German Cancer Research Center (DKFZ) and German Cancer Consortium (DKTK) Heidelberg, Heidelberg/DE;Robert J Autry, Hopp Children's Cancer Center Heidelberg (KiTZ), German Cancer Research Center (DKFZ) and German Cancer Consortium (DKTK) Heidelberg, Heidelberg/DE;Tim Holland-Letz, German Cancer Research Center (DKFZ), Heidelberg/DE;Annette Kopp-Schneider, German Cancer Research Center (DKFZ), Heidelberg/DE;Olaf Witt, Hopp Children's Cancer Center Heidelberg (KiTZ), German	Prof. Dr. Ina Oehme
16:25	P08	51831	Multi-parametric drug screening identifies specific vulnerabilities of mesenchymal neuroblastomas	Dr. Sonja Herter, Hopp Children's Cancer Center Heidelberg (KiTZ), German Cancer Research Center (DKFZ) and German Cancer Consortium (DKTK) Heidelberg, Heidelberg/DE;Marta Emperador, Hopp Children's Cancer Center Heidelberg (KiTZ), German Cancer Research Center (DKFZ) and German Cancer Consortium (DKTK) Heidelberg, Heidelberg/DE;Kyriaki Smyrilli, Hopp Children's Cancer Center Heidelberg (KiTZ), German Cancer Research Center (DKFZ) and German Cancer Consortium (DKTK) Heidelberg, Heidelberg/DE;Daniela Kocher, Hopp Children's Cancer Center Heidelberg (KiTZ), German Cancer Research Center (DKFZ) and German Cancer Consortium (DKTK) Heidelberg, Heidelberg/DE;Simay Celikyürekli, Hopp Children's Cancer Center Heidelberg (KiTZ), German Cancer Research Center (DKFZ) and German Cancer Consortium (DKTK) Heidelberg, Heidelberg/DE;Constantia Zeiser, Hopp Children's Cancer Center Heidelberg (KiTZ), German Cancer Research Center (DKFZ) and German Cancer Consortium (DKTK) Heidelberg, Heidelberg/DE;Sina Kreth, Hopp Children's Cancer Center Heidelberg (KiTZ), German Cancer Research Center (DKFZ) and German Cancer Consortium (DKTK) Heidelberg, Heidelberg/DE;Kai-Oliver Henrich, Hopp Children's Cancer Center Heidelberg (KiTZ), German Cancer Research Center (DKFZ) and German Cancer Consortium (DKTK) Heidelberg, Heidelberg/DE;Kendra K. Maass, Hopp Children's Cancer Center Heidelberg (KiTZ), German Cancer Research Center (DKFZ) and German Cancer Consortium (DKTK) Heidelberg, Heidelberg/DE;Johanna Rettenmeier, Hopp Children's Cancer Center Heidelberg (KiTZ), German Cancer Research Center (DKFZ) and German Cancer Consortium (DKTK) Heidelberg, Heidelberg/DE;Heike Peterziel, Hopp Children's	Dr. Sonja Herter
16:30	P09	51833	Sensor arrays for oxygen measurement in 3D cultures – effect of cisplatin and acetaminophen	Prof. Dr. Eric Gottwald, Karlsruhe Institute of Technology (KIT), Eggenstein-Leopoldshafen/DE;Enja Schwarz, Karlsruhe Institute of Technology (KIT), Eggenstein-Leopoldshafen/DE;Cordula Nies, Karlsruhe Institute of Technology (KIT), Eggenstein-Leopoldshafen/DE;Gregor Liebsch, PreSens Precision Sensing GmbH, Regensburg/DE;Christoph Grün, Karlsruhe Institute of Technology (KIT), Eggenstein-Leopoldshafen/DE	Prof. Dr. Eric Gottwald
16:35	P12	51849	Human brown and beige adipocyte 3D Cell Culture models for enhanced functional insights	Dr. Anita Wagner, Technical University of Munich, Freising/DE;Thi HD. Dinh, Technical University of Munich, Freising/DE;Francisco M Acosta, Turku University Hospital, Finland, Turku/FI;Johanna K. Örling, Turku University Hospital, Finland, Turku/FI;Martin Wabitsch, University Medical Center Ulm, Ulm/DE;Kirsi A. Virtanen, Turku University Hospital, Finland, Turku/FI;Martin Klingenspor, Technical University of Munich, Freising/DE	Dr. Anita Wagner
16:40	P14	51854	3D spheroid model for trilineage differentiation of mesenchymal stem/stromal cells under physiological conditions	Julia Moldaschl, BOKU University, Vienna/AT;Stefan Toegel, Medical University of Vienna, Vienna/AT;Maike Keck, Agaplesion Diakonieklinikum Hamburg, Hamburg/DE;Ursula Hiden, Medical University of Graz, Graz/AT;Dominik Egger, Gottfried Wilhelm Leibniz University Hannover, Hanover/DE;Cornelia Kasper, BOKU University, Vienna/AT	Julia Moldaschl
16:45 - 16:50	P15	51857	A systematic cell culture array for efficient generation of human long-term 3D sarcoma models	Claudia Dagostino, National Center for Tumor Diseases Dresden (NCT/UCC) and DKFZ, Dresden/DE;Waqar Hussain, National Center for Tumor Diseases Dresden (NCT/UCC) and DKFZ, Dresden/DE;Jasmina Paluncic, National Center for Tumor Diseases Dresden (NCT/UCC) and DKFZ, Dresden/DE;Marcelo Zoccoler, Technical University of Dresden, Germany, Dresden/DE;Jessica Pablik, University Hospital Carl Gustav Carus, Dresden/DE;Daniela Richter, National Center for Tumor Diseases Dresden (NCT/UCC) and DKFZ, Dresden/DE;Anna Klimova, Faculty of Medicine and University Hospital Carl Gustav Carus, Technische Universität Dresden, Dresden/DE;Ana Banito, Hopp Children's Cancer Center, Heidelberg (KiTZ), Heidelberg/DE;Johanna Wagner, German Cancer Research Center (DKFZ) and National Center for Tumor Diseases (NCT), Heidelberg/DE;Ivona Mateska, National Center for Tumor Diseases Dresden (NCT/UCC) and DKFZ, Dresden/DE;Sabine Schulze, University Hospital Carl Gustav Carus, TUD, Dresden/DE;Daniel Stange, University Hospital Carl Gustav Carus, Dresden/DE;Ina Oehme, Hopp Children's Cancer Center Heidelberg (KiTZ), Heidelberg/DE;Stephan Richter, National Center for Tumor Diseases Dresden (NCT/UCC), Sarcoma Center, University Hospital Carl Gustav Carus Dresden, Dresden University of Technology, Dresden/DE;Stefan Pfister, Hopp Children's Cancer Center Heidelberg (KiTZ), Heidelberg/DE;Stefan Fröhling, National Center for Tumor Diseases (NCT), Heidelberg/DE;Claudia Scholl, German Cancer Research Center (DKFZ), Heidelberg/DE;Jürgen Weitz, University Hospital and Faculty of Medicine Carl Gustav	Claudia Dagostino

Block II, Wednesday, 9 April 2025, 10:15-10:40 h

Chair: Ina Prade, FILK Freiberg Institute gGmbH/D

Time	Poster-No.	Paper-ID	Title	Author details	Presenting author
10:15	P16	51859	Identification of novel combinatorial treatment options for childhood brain cancers	Sandra Laternser, University Childrens Hospital of Zurich, Zürich/CH;Bettina Kritzer, University Childrens Hospital of Zurich, Zürich/CH;Micaela Freitas, PreComb Therapeutics AG, Hombrechtikon/CH;Severin Manser, PreComb Therapeutics AG, Hombrechtikon/CH;Dr. Jens Kelm, PreComb Therapeutics AG, Hombrechtikon/CH;Javad Nazarian, University Childrens Hospital of Zurich, Zürich/CH	Dr. Jens Kelm
10:20	P19	51865	High throughput production of anisotropic tissue models using automated liquid handling system	Dr. Ramin Nasehi, DWI - Leibniz Institute for Interactive Materials e.V., Aachen/DE;Anna Meyer, DWI - Leibniz Institute for Interactive Materials e.V., Aachen/DE;Eveline Jagla, Institute of Technical and Macromolecular Chemistry (ITMC), Polymeric Biomaterials, RWTH Aachen University, Aachen/DE;Abdolrahman Omidinia Anarkoli, DWI - Leibniz Institute for Interactive Materials e.V., Aachen/DE;Laura De Laporte, DWI - Leibniz Institute for Interactive Materials e.V., Aachen/DE	Dr. Ramin Nasehi
10:25	P27	51875	Microfluidic-driven culture and automated analysis of colon cancer spheroids using light sheet microscopy	Annabell Hermann, Institute for Bioprocessing and Analytical Measurement Techniques e.V., Heilbad Heiligenstadt/DE;Franziska Moll, Institute for Bioprocessing and Analytical Measurement Techniques e.V., Heilbad Heiligenstadt/DE;Robert Römer, Institute for Bioprocessing and Analytical Measurement Techniques e.V., Heilbad Heiligenstadt/DE;Stefan Wiedermeier, Institute for Bioprocessing and Analytical Measurement Techniques e.V., Heilbad Heiligenstadt/DE;Karen Lemke, Institute for Bioprocessing and Analytical Measurement Techniques e.V., Heilbad Heiligenstadt/DE	Annabell Hermann
10:30	P29	51879	Novel genetically encoded FRET-based Biosensors for tracking apoptosis in 3D cancer models	Marla Kirsten, Leibniz Universität Hannover, Hannover/DE;Christian Ude, PreSens Precision Sensing GmbH, Regensburg/DE;Gernot Thomas John, PreSens Precision Sensing GmbH, Regensburg/DE;Antonina Lavrentieva, Leibniz Universität Hannover, Hannover/DE	Marla Kirsten
10:35 - 10:40	P45	51906	Exploring cellular interactions in inflammatory bowel disease using an immunocompetent 3D hydrogel model	Dr. María García-Díaz, Institute for Bioengineering of Catalonia, Barcelona/ES;Anna Vila, Institute for Bioengineering of Catalonia, Barcelona/ES;Núria Torras, Institute for Bioengineering of Catalonia, Barcelona/ES;David Bartolomé, Institute for Bioengineering of Catalonia, Barcelona/ES;Elena Martínez, Institute for Bioengineering of Catalonia, Barcelona/ES	Dr. María García-Díaz

Block III, Wednesday, 9 April 2025, 12:00-12:25 h

Chair: Jens Kelm, PreComb Therapeutics AG, Wädenswil/CH

Time	Poster-No.	Paper-ID	Title	Author details	Presenting author
12:00	P46	51938	Characterization of hydrogel-based and scaffold-free 3D in vitro constructs using genetically encoded biosensors for hypoxia and reactive oxygen species detection	Marina Rodríguez Harzi, Leibniz University Hannover, Hannover/DE	Marina Rodríguez Harzi
12:05	P49	52396	Functional immuno- and chemotherapeutic testing of cervical cancer organoids	David Holthaus, University Hospital Schleswig-Holstein, Campus Kiel, Kiel/DE;Christoph Rogmans, University Hospital Schleswig-Holstein, Campus Kiel, Kiel/DE;Ina Gursinski, University Hospital Schleswig-Holstein, Campus Kiel, Kiel/DE;Alvaro Quevedo-Olmos, Institute of Clinical Molecular Biology, Kiel/DE;Christian Peters, University Hospital Schleswig-Holstein, Campus Kiel, Kiel/DE;Marzieh Ehsani, Institute of Clinical Molecular Biology, Kiel/DE;Jörg P. Weimer, University Hospital Schleswig-Holstein, Campus Kiel, Kiel/DE;Nicolai Maass, University Hospital Schleswig-Holstein, Campus Kiel, Kiel/DE;Marion van Mackelenbergh, University Hospital Schleswig-Holstein, Campus Kiel, Kiel/DE;Dirk O. Bauerschlag, University Hospital Schleswig-Holstein, Campus Kiel, Kiel/DE;Dieter Kabelitz, University Hospital Schleswig-Holstein, Campus Kiel, Kiel/DE;Thomas F. Meyer, Institute of Clinical Molecular Biology, Kiel/DE;Nina Hedemann, University Hospital Schleswig-Holstein, Campus Kiel, Kiel/DE	David Holthaus
12:10	P50	52411	Fabrication of 3D biofabricated microfiber constructs for large-scale artificial skeletal muscle tissue engineering	Evelyn Knappe, FILK Freiberg Institute gGmbH, Freiberg/DE	Evelyn Knappe
12:15	P53	52427	Towards serum-free collagen production: extraction and characterization of human collagen from 3D cell sheets	Dr. Ina Prade, FILK Freiberg Institute gGmbH, Freiberg/DE;Caroline Seidel, FILK Freiberg Institute gGmbH, Freiberg/DE;Birgit Voigt, FILK Freiberg Institute gGmbH, Freiberg/DE;Michael Meyer, FILK Freiberg Institute gGmbH, Freiberg/DE	Dr. Ina Prade
12:20 - 12:25	P54	52442	Modeling immunotherapies in live 3D human cancer tissue perfusion bioreactors	Yizheng Zhang, University Hospital and Comprehensive Cancer Center Tübingen, Tübingen/DE;Philip Bucher, University Tübingen, Tübingen/DE;Josef Leibold, University Tübingen, Tübingen/DE;Judith Feucht, University Tübingen, Tübingen/DE;Lukas Flatz, University Hospital Tübingen, Tübingen/DE;Christian Schürch, University Hospital and Comprehensive Cancer Center Tübingen, Tübingen/DE	Yizheng Zhang