

3D Cell Culture 2023, Poster Flash Talks, Programme (as of March 23)

Block I, Monday, 17 April 2023, 16:30-17:00 h

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

Time	Poster-No.	Paper-ID	Title	Authors	Presenting Author
16:30	P01	40491	Automated 3D cell-based assays in animal-free nanofibrillar cellulose hydrogels for high-throughput screening analyses	Essi M. Niemi, UPM Biomedicals, Helsinki/FIN;Jonathan Sheard, UPM Biomedicals, Helsinki/FIN;Piia Mikkonen, UPM Biomedicals, Helsinki/FIN;Roosa Ståhlberg, UPM Biomedicals, Helsinki/FIN;Lauri Paasonen, UPM Biomedicals, Helsinki/FIN	Essi M. Niemi, Jonathan Sheard
16:35	P03	40528	Alginate core shell capsules for 3D cultivation of adipose derived mesenchymal stem cells	Sabrina Nebel, University of Natural Resources and Life Sciences, Vienna/A;Manuel Lux, University of Natural Resources and Life Sciences, Vienna/A;Sonja Kuth, Friedrich Alexander University of Erlangen-Nürnberg, Erlangen/D;Faina Bider, Friedrich Alexander University of Erlangen-Nürnberg, Erlangen/D;Wolf Dietrich, Karl Landsteiner University of Health Sciences, Tulln/A;Dominik Egger, University of Natural Resources and Life Sciences, Vienna/A;Aldo R. Boccaccini, Friedrich Alexander University of Erlangen-Nürnberg, Erlangen/D;Cornelia Kasper, University of Natural Resources and Life Sciences, Vienna/A	Sabrina Nebel
16:40	P04	40532	Development of a human 3D immune competent skin model for identification and characterization of sensitizers and drug discovery	Johanna Maria Hölken, Heinrich-Heine University Düsseldorf, Düsseldorf/D;Nicole Teusch, Heinrich-Heine University Düsseldorf, Düsseldorf/D	Johanna Maria Hölken
16:45	P05	40540	Biomimetic thiol-norbornene functionalized hydrogels for photolithographic bioprinting and tissue fabrication	Dr. Brigitte Angres, Cellendes GmbH, Reutlingen/D;Gabriele Di Napoli, Cellendes GmbH, Reutlingen/D;Christine Blechschmidt, Cellendes GmbH, Reutlingen/D;Helmut Wurst, Cellendes GmbH, Reutlingen/D;Angela Cirulli, IBEC, Institute for Bioengineering of Catalonia, Barcelona/E;Núria Torras, IBEC, Institute for Bioengineering of Catalonia, Barcelona/E;Elena Martínez-Fraiz, IBEC, Institute for Bioengineering of Catalonia, Barcelona/E;Anna Altschuler, Technion, Israel Institute of Technology, Haifa/IL;Aya Amitai-Lange, Technion, Israel Institute of Technology, Haifa/IL;Ruby Shalom-Feuerstein, Technion, Israel Institute of Technology, Haifa/IL	Dr. Brigitte Angres
16:50	P06	40542	A novel perfusion bioreactor to study cancer spheroids in 3D culture	Masoumeh Mohamadian Namaqi, Institut für Bioprozess- und Analysenmesstechnik, Heilbad Heiligenstadt/D;Franziska Moll, Institut für Bioprozess- und Analysenmesstechnik, Heilbad Heiligenstadt/D;Stefan Wiedemeier, Institut für Bioprozess- und Analysenmesstechnik, Heilbad Heiligenstadt/D;Alexander Schug, Institut für Bioprozess- und Analysenmesstechnik, Heilbad Heiligenstadt/D;Karen Lemke, Institut für Bioprozess- und Analysenmesstechnik, Heilbad Heiligenstadt/D	Masoumeh Mohamadian Namaqi
16:55	P07	40546	Hydrogel-based 3D cell culture models for the in-vitro recapitulation of oxygen gradients in tumoural microenvironments	Tabea Fleischhammer, Gottfried Wilhelm Leibniz University Hannover, Hannover/D;Felix Czernilofsky, Heidelberg University, Heidelberg/D;Sandra Dienemann, Gottfried Wilhelm Leibniz University Hannover, Hannover/D;Sascha Dietrich, Heidelberg University, Heidelberg/D;Iliyana Pepelanova, Gottfried Wilhelm Leibniz University Hannover, Hannover/D;Dr. Antonina Lavrentieva, Gottfried Wilhelm Leibniz University Hannover, Hannover/D	Tabea Fleischhammer

Block II, Tuesday, 18 April 2023, 14:10-14:40 h

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

Time	Poster-No.	Paper-ID	Title	Authors	Presenting Author
14:10	P18	40559	Cancer associated fibroblasts shape the phenotype of macrophages in organotypic 3D colon cancer models	Dr. Monika Sachet, Medical University of Vienna, Vienna/A;Natalie Walterskirchen, Medical University of Vienna, Vienne/A;Mira Stadler, Medical University of Vienna, Vienna/A;Karoline Pudelko, Medical University of Vienna, Vienna/A;Alexander Biermeier, Medical University of Vienna, Vienna/A;Michael Bergmann, Medical University of Vienna, Vienna/A;Rudolf Oehler, Medical University of Vienna, Vienna/A;Helmut Dolznig, Medical University of Vienna, Vienna/A	Dr. Monika Sachet
14:15	P20	40569	Comparison and development of <i>in vitro</i> skin test system: reconstructed epidermis, three-dimensional full thickness skin equivalent and hiPSC-derived skin organoids	Amelie Reigl, University of Würzburg, Würzburg/D;Christian Lotz, Fraunhofer ISC, Würzburg/D;Marco Metzger, University of Würzburg, Würzburg/D;Daniela Zdziebło, University of Würzburg, Würzburg/D;Florian Groeber-Becker, Fraunhofer ISC, Würzburg/D;Dr. Dieter Groneberg, University of Würzburg, Würzburg/D	Dr. Dieter Groneberg
14:20	P26	40579	Generation of Methylcellulose/Gelatin Methacrylate (GelMA) microgels using an oil-free droplet deposition method	Oscar Fabian Garcia Aponte, University of Natural Resources and Life Sciences, Vienna/A;Adna Bavcic, IMC University of Applied Sciences Krems, Vienna/A;Dominik Egger, University of Natural Resources and Life Sciences, Vienna/A;Farhad Chariyev-Prinz, University of Natural Resources and Life Sciences, Vienna/A;Cornelia Kasper, University of Natural Resources and Life Sciences, Vienna/A	Oscar Fabian Garcia Aponte
14:25	P38	40866	AI-supported morphological analysis for the automated production of 3D-spheroidal tissue models	Dalia Mahdy, University Hospital Würzburg, Würzburg/D;Lukas königer, Fraunhofer ISC, Würzburg/D;Matthias Peindl, University Hospital Würzburg, Würzburg/D;Jan Hansmann, University Hospital Würzburg, Würzburg/D	Dalia Mahdy
14:30	P40	40872	Stromal tissue engineering for the generation of multilayered skin on 3D electrospun fibrous scaffolds	Tobias Weigel, Fraunhofer ISC, Würzburg/D;Christoph Malkmus, University of Applied Sciences Würzburg-Schweinfurt, Schweinfurt/D;Verena Weigel, Fraunhofer ISC, Würzburg/D;Maximiliane Wußmann, Fraunhofer ISC, Würzburg/D;Constantin Berger, University Hospital Würzburg, Würzburg/D;Julian Brennecke, University Hospital Würzburg, Würzburg/D;Florian Groeber-Becker, Fraunhofer ISC, Würzburg/D;Jan Hansmann, University of Applied Sciences Würzburg-Schweinfurt, Schweinfurt/D	Christoph Malkmus
14:35	P52	44161	New non-invasive, label-free monitoring approach for 2D and 3D cell culture	Dr. Anna Jötten, Ludwig-Maximilians-University Munich, Munich/D;Philipp Paulitschke, PHIO scientific GmbH, München/D	Dr. Philipp Paulitschke