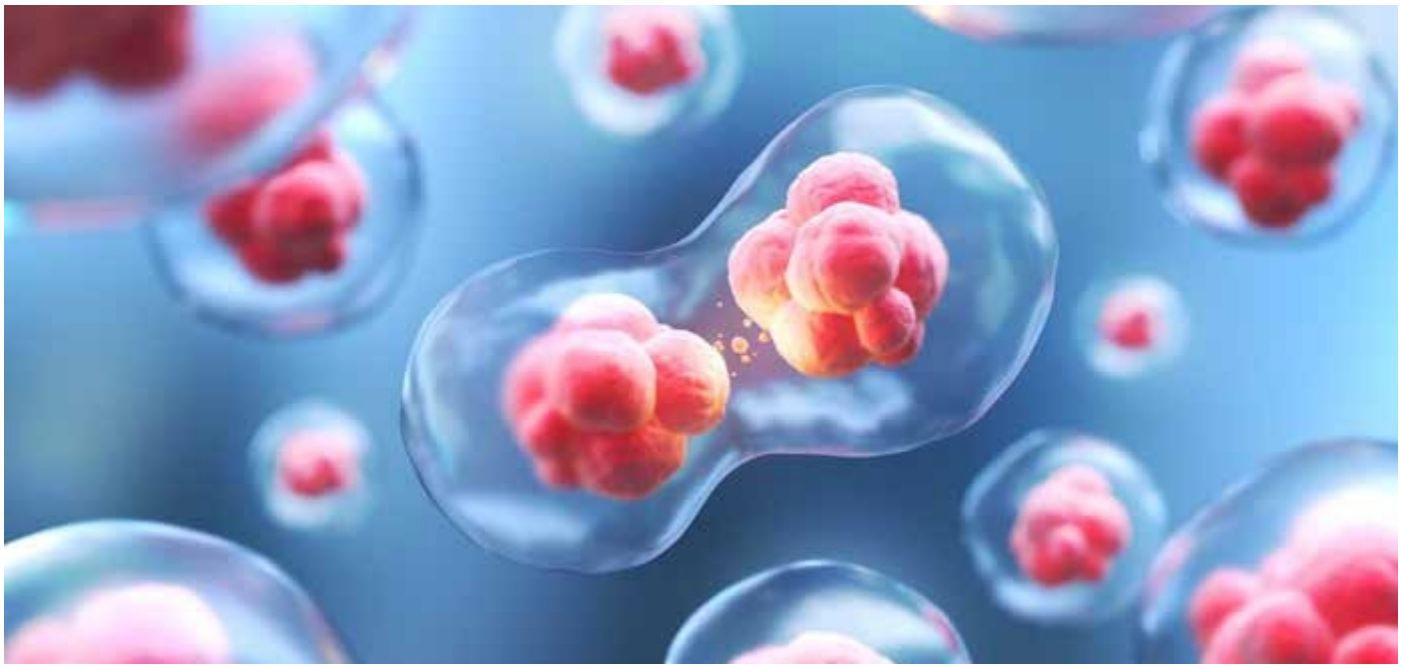
Brainstorming VSELs - The Future of Stem Cells 8th & 9th November 2021



W dniach 8-9 listopada 2021odbędzie się spotkanie naukowe podczas którego zostaną zaprezentowane wyniki badań prowadzonych z wykorzystaniem komórek VSEL (Very Small Embryonic-Like Stem Cells). Na spotkanie w formie webinaru i dyskusji online zapraszją Profesor Mariusz Ratajczak oraz Profesor Deepa Bhartiya.

W spotkaniu aktywny udział wezmą pracowniki Laboratorium Medycyny Regeneracyjnej. Profesor Mariusz Ratajczak wygłosi inauguracyjny wykład oraz wykład o potencjalnej roli komórek VSEL w starzeniu. Vira Chumak zaprezentuje wyniki analiz proteomicznych komórek VSEL poddanych ekspansji, natomiast Kamila Bujko omówi proces izolacji komórek VSEL.

Zapraszamy do zapoznania się z materiałami przygotowanymi przez organizatorów oraz do uczestnictwa w spotkaniu.

TZAR Labs' Global Stem Cell Conference:

Brainstorming VSELs - The Future of Stem Cells

8th & 9th November 2021

Organized by

Mariusz Z Ratajczak
Stem Cell Institute
University of Louisville, USA

Deepa Bhartiya
Epigeneres Biotech
Mumbai, India

Dear Friends

Hope you are safe in the challenging times we live in.

We proudly announce a two-day virtual brain-storming Webinar focused on different aspects of tissue-resident, pluripotent VSELs. It will be a closed meeting amongst VSELs experts to develop a net-working circle and a coordinated strategy on the way forward for research on VSELs.

VSELs were first reported in 2006 and faced disbelief in 2013. An understanding of their existence persisted and till date almost 40 independent groups have reported their presence in various mice/human tissues.

In an atmosphere where the very existence of adult stem cells is being called to question in favor of dedifferentiation of somatic cells, we know that pluripotent VSELs exist in multiple adult tissues. Epigeneres Pvt. Ltd., Mumbai, & Tzar Labs, Singapore recently published an article showing a direct link between Oct-4A expression and grades of cancer in 1000 clinical samples. Virant-Klun's group has provided strong clinical evidence to support their role in initiating ovarian cancer. Bhartiya's group has deciphered the underlying mechanism whereby VSELs initiate testicular cancer in mice upon neonatal exposure to diethylstilbestrol. Ratajczak's group has questioned the vulnerability of VSELs to COVID. Smadja's group has shown that VSELs are responsible for vasculogenesis in humans and can also serve as a liquid biopsy to understand vascular pathophysiology. VSELs were also recently shown to differentiate into lung epithelial cells and thus new avenues open up for effective cell therapy.

We invite you to participate in the meeting. We also encourage your existing staff and/ or students working on VSELs to participate and submit their abstracts.

The meeting is being organized by Epigeneres & Tzar Labs on 8-9 November 2021 in fond memory of the late Dr Vinay K Tripathi.

Please confirm your participation.

Warm regards,
Deepa Bhartiya

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Brainstorming VSELs - The Future of Stem Cells

Programme Schedule for Tzar Labs' Global Cell Conference on tissue-resident pluripotent stem cells

8th & 9th November 2021

Day I - Monday, 8th November, 2021

Sr.	From*	To*	Mins	Speaker(s)	Topic / Title
1.	4:00 PM	4:10 PM	10	Mariusz Ratajczak Ashish Tripathi	Inaugural remarks
2.	4:10 PM	4:40 PM	30	Philippe Henon	CD34+ VSELs or iPS cells for cardiac repair?
3.	4:40 PM	5:10 PM	30	Mariusz Ratajczak	VSELs: Our key for healthy aging
4.	5:10 PM	5:40 PM	30	David Smadja	Pluripotent stem cells and newly formed endothelial cells in human adults: Who is guilty?
5.	5:40 PM	6:00 PM	20		**Tea / Coffee Break**
6.	6:00 PM	6:30 PM	30	Irma Virant Klun	VSELs and ovarian cancer
7.	6:30 PM	7:00 PM	30	Russell Taichman	Mesenchymal stem cells promote prostate cancer metastasis
8.	7:00 PM	7:30 PM	30	Ashish Tripathi	HrC scale based on VSELs for early detection of cancer
9.		7:50 PM	20		**Tea / Coffee Break**
10.	7:50 PM	8:20 PM	30	George Koliakos	VSELs in cord blood
11.	8:20 PM	8:50 PM	30	Manuela Monti	From gastruloids to organoids: analysis of differentiation potentials of human umbilical cord blood VSELs
12.	8:50 PM	9:50 PM	60		Open Discussion on day's proceedings
13.	9:50 PM	10:00 PM	10	Deepa Bhartiya	Closing Remarks
	10:00 PM				**End of Day I**

Day 2 - Tuesday, 9th November, 2021

Sr.	From*	To*	Mins	Speaker(s)	Topic / Title
1.	4:00 PM	4:10 PM	10	Ashish Tripathi	Opening remarks & summarization of Day I
2.	4:10 PM	4:40 PM	30	Deepa Bhartiya	Fetal origins of adult diseases are explained by VSELs biology
3.	4:40 PM	5:10 PM	30	Magda Kucia	VSELs – recent developments
4.	5:10 PM	5:40 PM	30	Dong Shin	Small sized primitive cells in a population of mesenchymal stem cell which show VSEL-like features
5.	5:40 PM	6:00 PM	20		**Tea / Coffee Break**
6.	6:00 PM	6:30 PM	30	Janina Ratajczak	Hematopoietic specification of VSELs
7.	6:30 PM	7:00 PM	30	Marcin Moniuszko	The effects of IGF-1 administration in children on levels of VSELs and other stem cell populations
8.	7:00 PM	7:30 PM	30	Vira Chumak	Proteomic and metabolomic profile after in vivo VSELs expansion
9.	7:30 PM	8:00 PM	30	Kamila Bujko	Troubleshooting of VSELs sorting
10.	8:00 PM	8:20 PM	20		**Tea / Coffee Break**
11.	8:20 PM	8:40 PM	20	Artur Reginia	Stem cells in psychiatric disorders
12.	8:40 PM	9:40 PM	60		Open Discussion on day's proceedings
13.	9:40 PM	10:00 PM	20	Mariusz Ratajczak & Ashish Tripathi	Concluding Remarks & Vote of Thanks
	10:00 PM				**End of Conference**

* All times are provided in IST (Indian Standard Time), i.e., UTC+5:30

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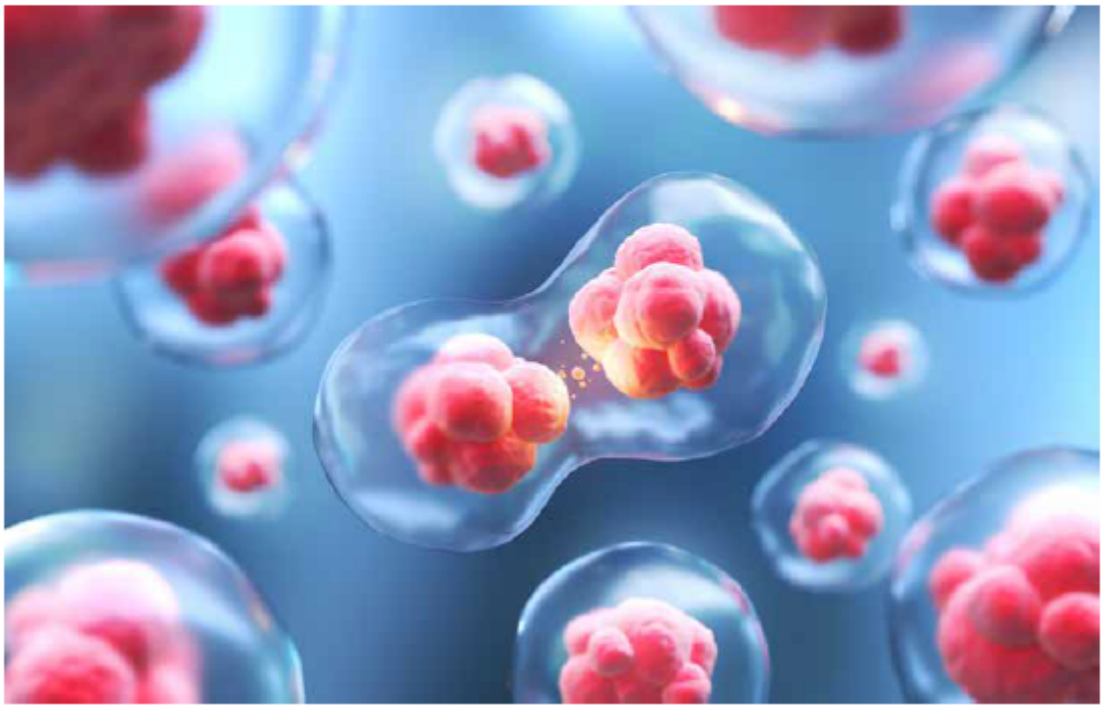
Poster Guidelines



- Only VSELs related papers to be submitted
- Author of the Poster to be registered for the conference
- The file (e-poster) name should be the Author's name & Title of the Poster
- Posters can be made in 1 page MS Power Point (PPT), without animation, and must be submitted in a PDF Format
- Total size of the presentation should not exceed 3 MB

Deadline for Poster Submission: 30th October 2021

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Źródło: https://medycynaregeneracyjna.wum.edu.pl/aktualnosc/10,brainstorming-vsels-the-future-of-stem-cells-8th-9th-november-2021