



# 2nd Mini-Symposium on The Blood-Brain Barrier from Basic to Clinical Research

Date : March 6<sup>th</sup> (Fri) - 7<sup>th</sup> (Sat), 2020

Venue: Room1712,

Faculty of Pharmaceutical Sciences,  
Fukuoka University, Fukuoka, Japan

## Plenary Lectures

**Schuichi Koizumi** (*University of Yamanashi, Japan*)

'TBA'

**William A. Banks** (*VA/University of Washington, USA*)

'Blood-brain barrier disruption in traumatic brain injury'

**Maria A. Deli** (*Hungarian Academy of Sciences, Hungary*)

'Protection of the blood-brain barrier against excitotoxin-induced damage'

**Tetsuro Ago** (*Kyushu University, Japan*)

'Roles of pericyte-mediated fibrotic repair in post-stroke functional recovery'

## Oral Presentation

### I. *In vitro* BBB model

Generation of 3D human blood-brain barrier model

**Tae-Eun Park** (*UNIST, Korea*)

Investigation of blood-brain barrier changes in acute pancreatitis: a cell culture and clinical study

**Fruzsina R. Walter** (*Biological Research Centre, Hungary*)

Lidocaine induced changes on models of the blood-brain barrier

**Ana R. Santa-Maria** (*Biological Research Centre, Hungary*)

### II. Neurodegenerative disease

Stroke-induced vascular basement membrane remodeling impairing the perivascular A $\beta$  clearance was restored by transforming growth factor- $\beta$  inhibition

**Akihiko Urayama** (*University of Texas McGovern Medical School, USA*)

Choroid plexus and its role in Tauopathies

**Petra Majerova** (*Slovak Academy of Sciences, Slovak Republic*)

### III. Clinical research

The importance of the microlesions in traumatic brain injuries

**Andrea Cattaneo** (*University Hospital Würzburg, Germany*)

Can CAR-T-cells overcome the Blood Brain Barrier?

**Vera Dufner** (*University Hospital Würzburg, Germany*)

Stress-induced cardiomyopathy - its pathophysiology towards personalised medicine

**Michiaki Nagai** (*Hiroshima City Asa Hospital, Japan*)

### IV. Glia

Multi-modal imaging of astrocyte-neuron communication

**Eiji Shigetomi** (*University of Yamanashi, Japan*)

Glial assembly for regenerative medicine and brain transplant

**Shutaro Katsurabayashi** (*Fukuoka University, Japan*)

TBA

**Fuyuko Takata** (*Fukuoka University, Japan*)

# Conference Agenda

February 10, 2020 ver. 6

**Building 17, Room1712**  
**Faculty of Pharmaceutical Sciences, Fukuoka University**  
**8-19-1 Nanakuma, Jonan-ku, Fukuoka 814-0180, Japan**

	<b>March 6, 2020</b>	<b>Bldg. 17, Room1712</b>
9:00 am to 9:30 am	<b>Registration</b>	
9:25 am to 9:30 am	<b>Opening Remarks</b>	Professor Yasufumi Kataoka (Fukuoka University, Japan)
9:30 am to 10:00 am	<b>Plenary Lecture I (Chair: Prof. Yasufumi Kataoka)</b>	Professor Schuichi Koizumi (University of Yamanashi, Japan)
10:05 am to 10:35 am	<b>Plenary Lecture II (Chair: Dr. Andrej Kovac)</b>	Professor William A. Banks (University of Washington, USA)
10:40 am to 11:10 am	<b>Plenary Lecture III (Chair: Emeritus Prof. Masami Niwa)</b>	Professor Maria A. Deli (Hungarian Academy of Sciences, Hungary)
11:15 am to 12:45pm	<b>Lunch &amp; Poster Viewing</b>	
12:45pm to 1:45pm	<b>Oral presentation I (Chair: Prof. Maria A. Deli)</b>	
	<b>In vitro BBB model</b>	
		Dr. Tae-Eun Park (Ulsan National Institute of Science and Technology, Korea)
		Dr. Fruzsina Walter (Hungarian Academy of Sciences, Hungary)
		Dr. Ana Raquel Santa Maria (Hungarian Academy of Sciences, Hungary)
1:50pm to 2:30pm	<b>Oral presentation II (Chair: Prof. Katsunori Iwasaki)</b>	
	<b>Neurodegenerative disease</b>	
		Dr. Akihiko Urayama (University of Texas, USA)
		Dr. Petra Majerova (Slovak Academy of Sciences, Slovakia)
2:35pm to 3:35pm	<b>Oral presentation III (Chair: Dr. Yoichi Morofuji)</b>	
	<b>Clinical Research</b>	
		Dr. Andrea Cattaneo (University of Würzburg, Germany)
		Dr. Vera Dufner (University of Würzburg, Germany)
		Dr. Michiaki Nagai (Hiroshima City Asa Hospital)

3:40pm to 4:40pm	<b>Oral presentation IV (Chair: Prof. Schuichi Koizumi)</b> <b>Glia</b> Dr. Eiji Shigetomi (University of Yamanashi, Japan) Dr. Shutaro Katsurabayashi (Fukuoka University, Japan) Dr. Fuyuko Takata (Fukuoka University, Japan)
4:45 pm to 5:15 pm	<b>Plenary Lecture IV (Chair: Dr. Shinya Dohgu)</b> Dr. Tetsuro Ago (Kyushu University, Japan)
7:00 pm to 9:00 pm	<b>Evening Reception (ANA Crowne Plaza Hotel Fukuoka)</b>

**March 7, 2020      Bldg. 17, 6<sup>th</sup> Floor**

8:30 am to 9:00 am	<b>Registration</b>
9:00 am to 11:00 am	<b>Poster Discussion</b>
11:00 am to 12:00 pm	<b>Closing Remarks and Ceremonies</b> Emeritus Professor Masami Niwa (Nagasaki University)

**Poster presentation: 8 papers**

Please note that the schedule is subject to change due to the availability of speakers. To confirm the program schedule, please contact conference secretariat [yoichi51@hotmail.com](mailto:yoichi51@hotmail.com); [dohgu@fukuoka-u.ac.jp](mailto:dohgu@fukuoka-u.ac.jp)