

Second Circular

**第二回
アクアフォトミクス
国際シンポジウム**

**Aquaphotomics:
Understanding
Water in Biology**

**2nd International
Symposium**

26 - 29 November 2016

Kobe University,
Centennial Hall
(Rokko Hall)

1-1 Rokkodai, Nada-ku,
Kobe 657-8501
Japan

www.aquaphotomics.com

On behalf of the Organizing Committee of the 2nd International Aquaphotomics Symposim:

WELCOME TO AQUAPHOTOMICS

The importance of water in biological systems has not been well explored and recognized. Recently, with the development of computer science, data analysis and new measurement technologies, water has been studied by scientific teams in wide variety of disciplines. This new trend deserves special attention and effort to bring new findings and discoveries about water to wider audience.

Aquaphotomics is a new “– omics” discipline introduced by the Laboratory of Bio Measurement Technology at Faculty of Agriculture, Kobe University, Japan. The main object of this new field is to understand the role of the water molecular system by monitoring water spectrum of bio – and aqueous systems under various perturbations. Aquaphotomics presents water spectrum as holistic bio marker, which works as molecular mirror, epitomizing the respective system.

In October 2014, we have organized the First International Symposium on Aquaphotomics as a part of Kobe University Symposium held at its European Office in Brussels, Belgium (www.aquaphotomics.com). Scientists from 11 countries, mainly in Europe, came with talks and posters. Since then, new 5-years EU project lead by Prof. Aoife Gowen, UCD Ireland, and some other works, all on Aquaphotomics, have started all over the world and the number of papers in the area of Aquaphotomics has

increased. In these regards, we decided to hold the Second Aquaphotomics International Symposium this year, from 26 to 29 November, at Kobe University in Japan.

In the contemporary world of interdisciplinary science and technology **understanding the role of water and how it works is of crucial importance**. This will pave a new venue for hardware and software development of new water measurement devices and technologies. New methods and instruments measuring changes in water structure directly related to disease diagnosis, understanding and prevention will appear. New industry of big data management and analysis of spectral data coming out of in-vivo bio monitoring will be seen in food quality evaluation and biotechnology.

Thanks to the support of Kobe University and all the Japanese co-organizers of the Symposium we have the ambition to establish a network of scientists from different disciplines learning about the water molecular matrix and its direct relation to system functionality, for the benefit of society.

Looking forward to welcome you all in the beautiful city of Kobe.

Chairperson
Roumiana Tsenkova

Aquaphotomics

Date

26-29 November 2016

Venue

Kobe University Centennial Hall (Rokko Hall)
1-1 Rokkodai, Nada-ku, Kobe 657-8501

Organizer

The 2nd International Aquaphotomics Symposium Organizing Committees
Kobe University, Faculty of Agriculture

Partnership

The Spectroscopy Society of Japan
The Japanese Society of Agriculture Machinery and Food Engineering
The Japan Council for Near Infrared Spectroscopy
The Society of Agriculture Structures, Japan
The Japan Society of Bioscience, Biotechnology, and Agrochemistry
The Japanese Society for Functional Water

Core Members

Honorable Chair : Mutsuo IWAMOTO (Kagoshima-Osumi
Food Technology Development Centre)
Chair : Roumiana TSENKOVA (Kobe University)
Vice Chair : Yukihiro OZAKI (Kwansei Gakuin University)
Vice Chair : Masato YASUI (Keio University)
Vice Chair : Yuichi OGAWA (Kyoto University)
Treasurer : Shigeaki MORITA (Osaka Electro-Communication University)

Information

The conference information desk will be located at Kobe
University Centennial Hall (Rokko Hall)

The conference desk will be open:
November 26th to 28th From 08:30 to 18:00

Conference Tour

Two night stay at Japanese Spa

Itinerary:

28th afternoon: Pick up Conference venue

28th evening: Dinner

29th day: visit to Mount Koya (Wakayama)

29th evening: "Get together" wrap-up discussion meeting with dinner

Transportation to Kansai International Airport (one hour from the Spa) will be provided if needed.

Maximum number of people to attend the tour will be between
30-40 (participation will be on a "first come first serve" basis).

Fee 9000 JPY

Conference Program

Speakers and presentation titles will be announced later.
 Oral and poster presentations will be accepted
 (see abstract template below).

	11/26 (Sat)	11/27 (Sun)	11/28 (Mon)	11/29 (Tues)
8:30	8:30 - 18:00 Conference Registration		8:30 - 18:00 Conference Registration	
9:00		9:00 - 10:30 Presentations Basic 1	9:00 - 10:30 Presentations Basic 2	Excursion Mount Koya Tour
10:00	10:00 - 12:00 Aquaphotomics Course		Coffee Break 11:00 - 12:30	
11:00	Introduction		Coffee Break 11:00 - 12:30	
12:00	Conference Room B		Rokko Hall	
13:00		13:30 - 14:30 Poster	13:30 - 15:00 Presentations	Wakayama
14:00	14:00 - 17:00	15:00 - 17:00 Open Lecture "Science of Water"	Application 2	
15:00	Aquaphotomics Course	15:00 Mutsuo IWAMOTO "Physico-chemical Properties of Water and Their Industrial Applications"	Rokko Hall	
16:00	Data analysis and Software	15:30 Roumiana TSENKOVA "Looking into the World of Water in the Light of the Sun"	Excursion Japanese Spa Wakayama	Excursion Spa "get together" discussion Wakayama
17:00	Conference Room B	16:00 Masato YASUI "Water Circulating Through the Body"		
		16:30 Haruya TANAKAMARU "Hydrological Cycle and Water use in Agriculture" Kobe University, Faculty of Agriculture Room B101		
18:00	18:30 Welcome Reception			
19:00	Kobe University Takigawa Hall		19:30 Banquet The Garden Place Soshuen	

Contact

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Junko Maruyama (Kobe University)
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Website www.aquahotomics.com



Registration

	Early Bird*	Regular**
Students	7,000 JPY	10,000 JPY
Regular	23,000 JPY	25,000 JPY

*Early Bird Rates: until October 20, 2016.

**Regular Rates: until November 22, 2016.

All are welcome to attend the Aquaphotomics course and Welcome reception free of charge!

Banquet All 8,000 JPY

Payment Instruction

□ For Residents of Japan

ONLY wire transfer (T/T) is possible. Please go to the conference website (<http://aquaphotomics.com/>) and download the registration form.

Please contact us as soon as possible if you experience any problems.

The payment deadline is: **October 20, 2016 for Early Bird**
November 22, 2016 for Regular Rates.

Account Information

Account name: AQUAPHOTOMICS

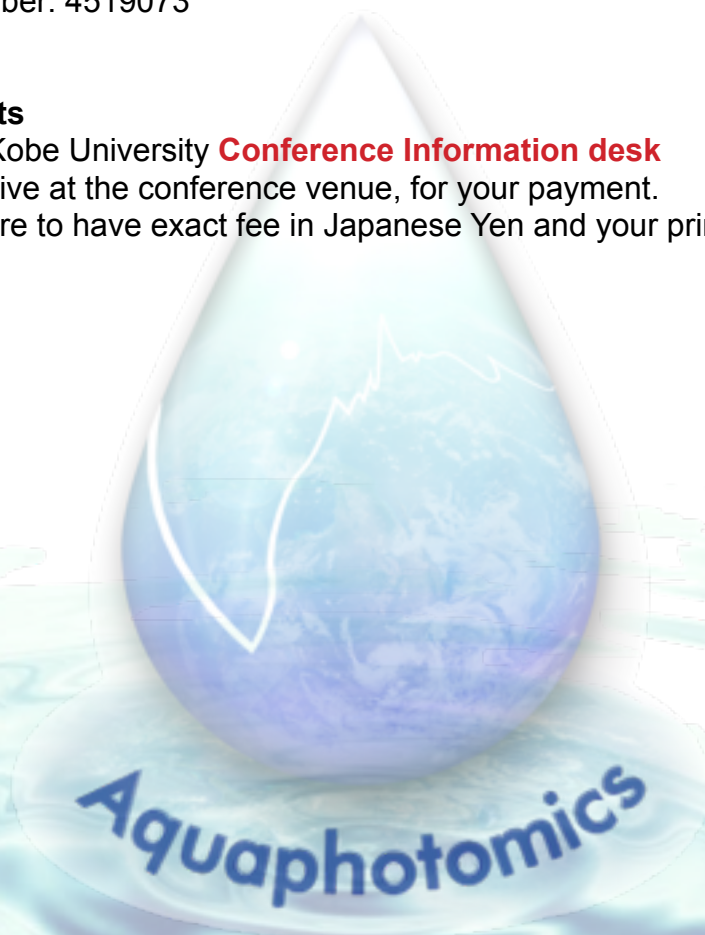
Branch name: Sumitomo Mitsui Bank (Branch number: 421)

Account number: 4519073

□ For Nonresidents

Please visit Kobe University **Conference Information desk** when you arrive at the conference venue, for your payment.

Please be sure to have exact fee in Japanese Yen and your printed registration confirmation.



How to Register

1) Please access the website <http://aquaphotomics.com/>, and download the registration form.

New! To register, please download the registration form [here!](#)

2) Send the completed form in .pdf format to Ms. Junko MARUYAMA by e-mail to junk.maruyama@people.kobe-u.ac.jp

3) Please wait a few days

****ATTENTION****

Please DO NOT proceed with payment before you get your confirmation number.



5) You will receive a PDF file of your registration form **with your confirmation number and the note of the total amount** from the office by e-mail.



If you are a Residents of Japan

6) Please transfer the total amount to the symposium's bank account.

****ATTENTION****

1. **Please DO NOT forget to fill your confirmation number and your name.**
2. **Please send the scanned copy of the receipt by e-mail after making payment.**
3. If you need a receipt from the office, please let us know when you send a scanned copy by e-mail.

Early bird deadline: October 20, 2016!

If you are a Nonresident

6) Please **print out the registration form with your confirmation number and the note of total amount.**

7) Please prepare **the exact fee in Japanese yen.**

Early bird deadline:

October 20, 2016!

***Please finish registration to get Early bird rate before October 20!**



8) **Please come to our information desk when you arrive at the conference venue**

Kobe University Centennial Hall (Rokko Hall) for your payment. Please be sure to bring 6) and 7)



Aquaphotomics

Abstract

Abstracts should be prepared following the sample abstract below. **The deadline for abstracts is October 20th.** Abstracts will be uploaded during symposium.

SAMPLE*

English Title (Times New Roman 12pt Bold)

First Author₁, Second and Third Author₂ (Times New Roman 10pt)

₁Affiliation of First Author (Times New Roman 10 pt Italic)

₂Affiliation of Second and Third Authors

Summary: This document shows a sample abstract format. An English abstract is required. Abstract should be within two pages on an A4 sheet including figures, tables and references. Line spacing is fixed at 14 pt. Font should be Times New Roman 10 pt. Please set top and bottom margin at 2 cm, and right and left margin at 2.5 cm. Abstracts will only accepted in PDF format, please convert MS-word or any other file format to PDF before submitting the abstract. Please submit the abstract as an attachment to the following e-mail address **no later than, October 20, 2016**

e-mail address : info@aquaphotomics.com

Introduction: The letter font for the body of the Abstract also should be Times New Roman, 10pt. [1].

Methods: Please write your Abstract with a free headlines followed by i.e. Results, Discussion, Conclusion [2].
The composition of headlines is free.

Results and Discussion: Please prepare Figures and Tables following the references shown below. Table 1. Table font size should be 9 pt.

X	Y	Z
1	2	3
0.1	0.2	0.3

Figures should be black and white

Figure 1. Figure font size should be 9pt.

References:

1. K. Sekigai and S.Raman Bunshi-bunko-gaku, 1(1), 1-10 , 2011

