11th Annual Meeting of Nano Biomedical Society

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"Reconstruction from Giant East Japan Earthquake Disaster and contribution of nano, bio, environmental technology"

URL: < http://www.nanobio.jp/ >

Date: Oct. 31(Sat)-Nov. 1(Sun), 2015 Place: Ishinomaki Senshu University Ishinomaki, Miyagi, 986-8580 Japan

Conference Chair: Nobuyuki HAGA

Professor Department of Biological Sciences, Ishinomaki Senshu University

The 11th Annual Meeting of Nano Biomedical Society will be held in Ishinomaki, which suffered from East Japan Giant Earthquake and the following Tsunami (big tide wave) disaster on March 11, 2011.

Ishinomaki is now under reconstruction for the revival but daily life is still in severe condition. The city struggles to realize the new society with the full education and high standard of medical care system in the natural environments and the economic zone available for the stable job chances in the future several tens of years.

The meeting aims to seek the role of nano, bio, and environmental technology to contribute to the reconstruction from disaster and set the special symposium open for citizens including students, in addition to the general presentations.

The researchers are welcome, not only from the fields of nano, bio, environments, but also all the other areas ranging from fundamentals to applications.

On the 2nd day, the optional tour is organized to inspect the tsunami-suffered area. This will give you the opportunity to watch the results of disaster, which might be the occasion to reconsider the research, objectives, contributions or voluntary tusks.

The attendance of all the people interested in these subjects and programs is highly welcome.

Schedule

Oct. 31: General session (oral) / Ishinomaki memorial symposium / Banquet

Nov. 1: General session (oral and posters) / Optional tour of the disaster-stricken district by tsunami

Program of the 11th Annual Meeting of Nano Biomedical Society

General Session 1 (13:00-13:40) O1-1 Rapid biofiesel fuel production from wet microalgae using the microwave irradiation technique Yuichi Nosaka¹, Tomoya Hasegawa², Ryosuke Makabe^{1, 3}, Ayanobu Sai¹, Takashi Ota2, Hiroshi Sasaki2 ^{1, 2} Ishinomaki Senshu University, ³ National Institute of Polar Research O1-2 Electric current switching and nanotechnology Noboru Wakatsuki Ishinnomaki Senshu University (Coffee Break) Syposium (14:00-16:30)

Ishinomaki Memorial Symposium (open to citizens and general people)

Greeting of the Conference Chair

Prof. Nobuyuki Haga (Ishinomaki Senshu University)

S-1-1 (14:10-14:40) Interaction of nanoparticles and biological body: Shadow and light

Fumio Watari Hokkaido Univ, Profrsser Emeritus

S-1-2 (14:40-15:10) Toward creative reconstruction from great east Japan earthquake

Hiroshi Kameyama Mayor of Ishinomaki city

(Coffee Break, 15:10-15:20)

S-2-1 (15:20-15:50) Regulation of cell differentiation by mitochondoria: Possible application to cancer therapy Yasuo Maeda Tohoku University

S-2-2 (15:50-16:20)

The cytoskeleton regulating the motility and the shape of cell. Jiro Usukura Structural Biology Research Center, Graduate School of Science, Nagoya University

Discussions (16:20-16:30) (Coffee Break, 16:30-16:40)

General Session 2 (16:40-17:20)

O2-1 (16:40-17:00) Embryotoxicity test of biomaterials including human metabolic factor Koichi Imai, Tsubasa Shirai, Hiroki Ishikawa

Osaka Dental University

O2-2 (17:00-17:20) Spectroscopic characterization of nano-structured materials

> Akira Toshihara Ishinomaki Senshu University

Postor Session 1 (17:20-18:00)

P1

Establishiment of new oral surgery treatment with the phototoxicity test Hiroki Ishikawa, Koichi Imai Osaka Dental University

P2

Regenerative effects of scafford applied with TCP nanoparticles Hirofumi Miyaji¹, Akihito Kato¹, Kosuke Ogawa¹, Erika Nishida¹, Shusuke Murakami¹, Saori Miyata¹, Kohei Kawamoto¹, Hiroko Takita¹, Bunshi Fugetsu², Toshihiro Iwanaga¹, Masamitsu Kawanami¹ ¹Hokkaido University, ²The University of Tokyo

Banquet (18:30-)

1 Nov.

Postor Session 2 (10:00-10:30)

P3

Change of cytotoxicity level by mixing condition of nanoo-zinc oxide and Bis-GMA Tsubasa Shirai, Koichi Imai Osaka Dental University

General Session 3 (10:30-10:50)

O3-1 An analysis of the phenotype of Dictystelium discoideum Dlarp4-cells Toshuinori Usui¹, Tomoaki Abe² ¹Tohoku University, ²Ishinomaki Senshu University

Optional tour of the disaster-stricken district by tsunami (11:00-)

History of the Nano Biomedical Society

Society Organizational Meeting

Date: Feb 20 (Fri) - Feb 21 (Sat), 2009

Venue: Hotel "NIDOM", Tomakomai, Hokkaido

President at the Meeting: Prof. Fumio Watari

Department of Biomedical, Dental Materials & Engineering, Division of Oral Health Science, Graduate School of Dental Medicine, Hokkaido University, Sapporo

1st Annual Meeting of the Nano Biomedical Society

Date: July 18 (Sat), 2009

Venue: Hokkaido University

President at the Meeting: Prof. Fumio Watari

Department of Biomedical, Dental Materials & Engineering, Division of Oral Health Science,

Graduate School of Dental Medicine, Hokkaido University, Sapporo

2nd Annual Meeting of the Nano Biomedical Society

Date: February 22 (Mon), 2010
Venue: Icho Kaikan (Osaka University Medical School)
President at the Meeting: Prof. Nariaki Matsuura
Osaka University Graduate School of Medicine Division of Health Sciences, Osaka

3rd Annual Meeting of the Nano Biomedical Society

Date: September 17 (Fri), 2010

Venue Tsurumi University Hall

President at the Meeting: Prof. Kazuhito Satomura

Tsurumi University, School of Dental Medicine, Kanagawa

4th Annual Meeting of the Nano Biomedical Society

Date: February 21 (Mon), 2011 - February 22 (Tue), 2011

Venue: Noyori Materials Science Laboratory, Higashiyama Campus, Nagoya University President at the Meeting: Prof. Joro Usukura

Nagoya University, EcoTopia Science Institute Integrated Research Projects, Aichi Joint: Ecotopia Science Institute Graduate School of Medicine Global COE for Education and Research

5th Annual Meeting of the Nano Biomedical Society

Joint Conference of International Symposium - SIB2011(3rd Int.Symp.Surface and Interface of Biomaterials 2011)

Date: July 12 (Sun) - 15, 2011 (Wed)

Venue: Hokkaido University

Venue: Hokkaido University

Joint Conference of International Symposium - SIB2011 (3rd Int. Symp. Surface and Interface of Biomaterials 2011)

President at the Meeting: Prof. Fumio Watari

Department of Biomedical, Dental Materials & Engineering, Division of Oral Health Science, Graduate School of Dental Medicine, Hokkaido University, Sapporo

5th Annual Meeting and SIB2011 --Satellite Symposium will be held in Kyoto--Date : July 19 (Tue), 2011 Venue: Kyoto TERRSA (East Building) President at the Meeting: Dr. Koichi Imai Department of Biomedical, Osaka Dental University, Osaka

6th Annual Meeting of the Nano Biomedical Society

Date : July 9, 2012 (Mon) - July 10, 2012 (Tue)

Venue: Lecture Hall, Tsukuba Central 1

President at the Meeting: Dr. Toshimasa Uemura

National Institute of Advanced Industrial Science and Technology(AIST), Ibaragi Joint Conference of "Mini-International Symposium with the 2nd symposium on "Cabon Nanoforms"

Joint Conference of 6th International Symposium on Nanotechnology Date : October 28 (Mon) - October 31 (Thu), July 19 (Tue), 2011 (Tue), 2013 Venue: Nagoya Congress Center President at the Meeting: Rrof. Gaku Ichihara Nagoya University Graduate School of Medicine, Aichi

7th Annual Meeting of the Nano Biomedical Society

Date : January 24, 2013 (Thu)
Venue: Kyoto TERRSA
President at the Meeting: Dr. Koichi Imai
Department of Biomedical, Osaka Dental University, Osaka

Symposium of the Nano Biomedical Society and JSAAE Alternatives to Animal Experiments using the in vitro evaluation Date : Aug 24, 2013 (Sat) Venue: Osaka Satellite Office, Doshisha University (Umeda Square Bldg.17F, Osaka) President at the Meeting: Dr. Koichi Imai Department of Biomedical, Osaka Dental University, Osaka

8th Annual Meeting of the Nano Biomedical Society

Date : May 2, 2014 (Friday) Venue: Hotel Granvia Wakayama President at the meeting: Prof. Shigeki Hontsu Faculty of Biology-Oriented Science and Technology at Kinki University, Wakayama

9th Annual Meeting of the Nano Biomedical Society

in conjunction with the 15th International Symposium by the Institute of Tissue Regeneration Engineering
Date : Nov 28 (Fri), 2014 - Nov 29 (Sat), 2014
Venue: Lecture hall #114, College of Dentistry, Dankook University, Cheonan, Korea
President at the meeting: Prof. Hae-Won Kim
Director of Institute of Tissue Regeneration Engineering (ITREN), Dankook University, Korea
Emeritus Prof. Fumio Watari
Graduate School of Dental Medicine, Hokkaido University

10th Annual Meeting of the Nano Biomedical Society

Date : March 9 (Mon) - March 10 (Tue), 2015 Venue: EcoTopia Science Institute, Nagoya University President at the meeting: Prof. Shinya Yagi EcoTopia Science Institute, Nagoya University, Nagoya

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Date : Oct 31 (Sat) - Nov 1(Sun), 2015 Venue: Ishinomaki Senshu University President at the meeting : Prof. Nobuyuki Haga Ishinomaki Senshu University, Miyagi