

The 2nd Japan-Israel Workshop (OIST):

"Biodiversity and connectivity in coral reef ecosystems in an era of global climate change"

Date : Wednesday, November 30, 2016

Time: 9:00-17:00

Venue : OIST Main Campus Seminar Room C210

**Wednesday, November 30, 2016**

**【Moderator】** Noriyuki Satoh (Professor, OIST) or Yoshimi Suzuki (President, the Japanese Coral Reef Society / Professor, Environment and Energy system, Graduate School of Science and Technology, Shizuoka University)

**【Organizer】** Noriyuki Satoh (Professor, OIST) and Yoshimi Suzuki (President, the Japanese Coral Reef Society / Professor, Environment and Energy system, Graduate School of Science and Technology, Shizuoka University)

\* 30 min×12

| Time           | Name                                    | Position and Affiliation   | Title of Speech   |
|----------------|---|--|---|
| 9:00<br>9:30   | Opening Speech<br>or<br>welcome address | Keisuke Hanaki<br>Vice President, Science Council of Japan<br>Professor at Department of Urban Engineering, Graduate School of Engineering, The University of Tokyo      |   |
|                |   | Yossi Loya<br>Professor of Ecology (emeritus) Tel Aviv University / Member of the Israel Academy of Sciences and Humanities  |   |
|                |   | Mary Collins<br>Dean of Research, Okinawa Institute of Science and Technology Graduate University  |   |
|                |   | Yoshimi Suzuki<br>President, the Japanese Coral Reef Society<br>Professor, Environment and Energy system, Graduate School of Science and Technology, Shizuoka University |   |
| 9:30<br>10:00  | Presentations                           | Satoshi Mitarai<br>Assistant Professor/OIST  | Ocean Currents and Connectivity around Okinawan Coral Reefs: A Drifter Study              |
| 10:00<br>10:30 |   | Amatzia Genin<br>Professor, the Hebrew University in Jerusalem and Director, The Interuniversity Institute for Marine Sciences of Eilat                                  | Ecological effects of water flow in coral reefs   |
| 10:30<br>11:00 |   | Kazuhiko Sakai<br>Professor and Director, Tropical Biosphere Research Center, University of the Ryukyus  | Connectivity of coral populations in Okinawa: an ecological approach                      |
| 11:00<br>11:30 |   | Saki Harii<br>Associate Professor, Sesoko Station, Tropical Biosphere Research Center University of the Ryukyus<br>Councilor, the Japanese Coral Reef Society            | Biodiversity and connectivity in coral reef ecosystems in an era of global climate change |
| 11:30<br>12:00 |   | Gal Eyal<br>PhD candidate at Tel-Aviv University and the Interuniversity Institute for Marine Sciences in Eilat, ISRAEL  | Mesophotic Coral Ecosystems of Israel and Japan   |
| <i>Lunch</i>   |   |  |   |
| 13:00<br>13:30 | Presentations                           | Hajime Kayanne<br>Professor, Department of Earth and Planetary Science, the University of Tokyo  | Response of coral reefs to global warming   |
| 13:30<br>14:00 |   | Maoz Fine<br>Associate professor, Bar-Ilan University and The Interuniversity Institute for Marine Sciences in Eilat   | Coral reefs in the Gulf of Eilat under ocean acidification and climate change             |
| 14:00<br>14:30 |   | Dan Tchernov<br>Senior lecturer, Head of the Department of Marine Biology, The Leon H. Charney School of Marine Sciences,<br>University of Haifa                         | From the Red Sea to the Mediterranean- Climate change and the third tier paradox          |
| 14:30<br>15:00 |   | Chuya Shinzato<br>Marine Genomics Unit, Okinawa Institute of Science and Technology Graduate University  | Using genomics approaches for understanding coral reefs                                   |
| 15:00<br>15:30 |   | Micha Ilan<br>Professor, Tel Aviv University, Head of the Porifera Research group and the National Center for High Throughput<br>Screening                               | Sponges, the oldest metazoans - lessons from past eons to present days                    |
| 15:30<br>16:00 |   | Casareto Beatriz Estela<br>Professor, Research Institute of Green Science and Technology and Graduate School of Science and Technology,<br>Shizuoka University, Japan    | Effect of multiple and synergistic stresses on coral at micro/nano scale                  |
| 16:00<br>16:30 |   | Yossi Loya<br>Professor of Ecology (emeritus) Tel Aviv University / Member of the Israel Academy of Sciences and Humanities  | The coral reefs of Eilat: past present and future   |
| 16:30<br>17:00 | Discussion<br>and<br>Summary            | ALL  |   |

The 2nd Japan-Israel Workshop (Naha)  
 “Role of molecular techniques in studying coral reef ecosystem”

Date : Thursday, December 1, 2016

Time: 18:00-21:00

Venue : Conference Room at Hotel Sunpalace Kyuyoukan

**Thursday, December 1, 2016**

**【Moderator】** Hajime Kayanne (Professor, Department of Earth and Planetary Science, the University of Tokyo)

\*Israel: 30 min× 3 , Japan: 20 min× 3

| Time         |       | Name                                    | Position and Affiliation  | Title of Speech  |
|--------------|-------|---|---|--|
| 18:00        | 18:20 | Opening Speech<br>or<br>welcome address | Yoshimi Suzuki (President, the Japanese Coral Reef Society<br>Professor, Environment and Energy system, Graduate School of Science and Technology, Shizuoka University)<br>Keisuke Hanaki (Vice President, Science Council of Japan<br>Professor at Department of Urban Engineering, Graduate School of Engineering, The University of Tokyo) |  |
| 18:20        | 18:40 | Presentations                           | Nina Yasuda<br>Associate Professor, University of Miyazaki  | Hidden genetic diversity of coral reef organisms                                     |
| 18:40        | 19:00 |   | Naoko Isomura<br>Associate Professor, Department of Bioresources Engineering, National Institute of Technology, Okinawa College   | Hybridization in Acropora from the viewpoints of evolution and reproductive strategy |
| 19:00        | 19:30 |   | Oren Levy<br>Professor, The Lab for Molecular Marine Ecology at The Mina and Everard Goodman Faculty of Life Sciences Bar Ilan University   | Timing and Biological clocks in Cnidarians; Molecular Perspectives                   |
| <i>Break</i> |       |   |   |  |
| 19:45        | 20:05 | Presentations                           | Hiroshi Yamashita<br>Researcher Seikai National Fisheries Research Institute, Japan Fisheries Research and Education Agency   | Specificity of the initial symbiosis between corals and <i>Symbiodinium</i>          |
| 20:05        | 20:35 |   | Ariel Kushmaro<br>Associate professor, Department of Biotechnology Engineering, Ben-Gurion University   | Omics in coral disease research: the black band disease (BBD) as a case study        |
| 20:35        | 20:45 | Closing remarks                         | Yossi Loya<br>Professor of Ecology (emeritus) Tel Aviv University / Member of the Israel Academy of Sciences and Humanities   |  |