

生物生産学部・統合生命科学研究科 国際シンポジウム

International Symposium

on the UN's Sustainable Development Goals

日時: 2025年9月11日(木) 13:00 – 16:20

場所: 生物生産学部棟 C201 (ポスター発表14:30-15:20 会場C203)

国連の持続可能な開発目標 (The UN's Sustainable Development Goals; SDGs)は相互に関連する17のゴールからなり、2030年までの達成が求められています。

私たち統合生命科学研究科・生物生産学部は少なくともこれら半分のゴールを直接カバーする、包括的な研究・教育を行っています。

このシンポジウムにおいては、環境～生物多様性～生物資源の生産～食品科学の幅広い分野を網羅する6つのセッションを通して、協定大学等から招いた研究者が研究成果や自国の実情を発表します。

これらの発表を通して、持続可能な開発目標を達成し、真に持続的であり平和的な世界を構築するための包括的な解決方法やブレークスルーを議論したいと考えています。

Program

13:00 開会のあいさつ

13:10 Session1 : Dr. Jason Dumaguig Braga
(Cavite State University)

13:30 Session2 : Dr. Sharon Nuñal
(University of the Philippines Visayas)

13:50 Session3 : Dr. Hong Jeongwhui
(Chonnam National University)

14:10 Session4 : Dr. Dao Thanh Huyen
(Thai Nguyen University of
Agriculture and Forestry)

14:30 招へい学生・広島大学生によるポスター発表

15:20 Session5 : Dr. Jade Dhapnee Z. Compendio
(Visayas State University)

15:40 Session6 : 加藤 亜記 准教授
(Hiroshima University)

16:00 総括

◆このシンポジウムは、統合生命科学研究科共同セミナーの単位になります。

主 催: 広島大学生物生産学部・大学院統合生命科学研究科
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HIROSHIMA UNIVERSITY

Program

Opening Message by the Dean
13:00

Session 1
13:10 – 13:30

**“Sustainable Strategy for Epilepsy Alleviation:
A Synergistic Approach Using Prebiotics and GABA-Transaminase Inhibitor”**
Dr. Jason Dumaguing Braga (Cavite State University/ Philippines)
Chair Dr. KUMRUNGSEE Thanutchaporn (Hiroshima University)



Session 2
13:30 – 13:50

“Sea the change: Post-harvest solutions for sustainable fisheries”
Dr. Sharon Nuñal (University of the Philippines Visayas/ Philippines)
Chair Dr. SHIMAMOTO Tadashi (Hiroshima University)



Session 3
13:50 – 14:10

“Strategies for Advancing Sustainable Aquafeed Development in Aquaculture”
Dr. Jeongwhui Hong (Chonnam National University/ Republic of Korea)
Chair Dr. WAKABAYASHI Kaori (Hiroshima University)



Session 4
14:10 – 14:30

**“OCOP (One commune one product) and Sustainable Development:
A Vietnamese Model for Local Innovation and Global Responsibility”**
Dr. Dao Thanh Huyen (Thai Nguyen University of Agriculture and Forestry/ Vietnam)
Chair Dr. TRAN Anh Duc (Hiroshima University)



14:30 – 15:20 **Poster presentations by Invited Students and HU Students**

Session 5
15:20 – 15:40

**“Quality Evaluation of Cryopreserved Spermatozoa of Morphologically
Profiled Sinirangan Native Boars (*Sus scrofa* L. 1758)”**
Dr. Jade Dhapnee Z. Compendio (Visayas State University / Philippines)
Chair Dr. NISHIBORI Masahide (Hiroshima University)



Session 6
15:40 – 16:00

“Exploring the Diversity of Coralline Algae: Ecosystem Engineers of the Ocean”
Dr. KATO Aki (Hiroshima University)
Chair Dr. SUZUKI Takuya (Hiroshima University)



Concluding Remarks
16:00 - 16:20

Poster Presentations

by Participating Summer School Students

September 11, 2025 (Thur.) 14:30-15:20

Venue : C203

	" Title " Presenters Name (University Name)	
1	"Evaluation of Egg Yolk from Various Poultry Species as Semen Extenders for Large White Boars" Khristel Nicole L. Bañes (Visayas State University)	
2	"Watermelon (<i>Citrullus lanatus</i>) fruit juice as semen extender alternative in domestic boar (<i>Sus scrofa domestica</i>)" Mark Laurence L. Fornis (Visayas State University)	     
3	"Optimizing the process of extracting saponin from wild bitter melon (<i>M charantia</i> L. var. <i>abbreviata</i> Seringe)" Nguyen Cong Duong (Thai Nguyen University of Agriculture and Forestry)	
4	"In vitro and in silico bioactivity evaluations of enzymatic protein hydrolysates from green (<i>Perna viridis</i>), brown (<i>Modiolus modioloides</i>), and black (<i>Mytella strigata</i>) mussels" Gardel Xyza Silverderio (University of the Philippines Visayas)	  
5	"Antioxidant and Structural Characterization of Carrageenan-based Biocomposite Film Enriched with Tuna Viscera Protein Isolate" Raymund Parcon (University of the Philippines Visayas)	
6	"Aquaponics: Integrating Aquaculture and Agriculture for SDGs" Kipyung Ko (Chonnam National University)	 
7	"Development of Climate-resilient Aquaculture for <i>Parapristipoma trilineatum</i> : Integrated Evaluation of Rearing Environment, Nutrient Utilization, and Metabolic Adaptation" Ganghui Joo (Chonnam National University)	 

Poster Presentations by HU Students

September 11, 2025 (Thur.) 14:30-15:20

Venue : C203

	" Title "	Presenters Name	
1	"Production of plant-based foods by thermal compression based on glass transition: powder integration via mechanical fusion"	Takumi Mochizuki	   
2	"Enteral regulation of breast milk IgA correlates with resistance to neonatal sepsis"	Rina Kanazawa	
3	"Effect of frying conditions on the glass transition of the fried coating of deep-fried food"	Takuya Mori	   
4	"The colonic <i>Cyp2c55</i> expression is transcriptionally regulated by intestinal microbiota and inflammation"	Adrian Hilman	
5	"Taxonomic and molecular phylogenetic studies of rhodolith-forming non-geniculate coralline algae (<i>Corallinophycidae</i> , <i>Rhodophyta</i>) in Japan"	Min Khant Kyaw	
6	"The temperature-induced effects on ecdysis frequency, feeding habits, and growth response of Gazami (<i>Portunus trituberculatus</i>) crablets"	Angelo Constancia Macario	
7	"Functional Characterization of <i>CsCPC</i> Genes in <i>Arabidopsis thaliana</i> "	Juri Wakamatsu	 