

日本甲殻類学会第 57 回大会プログラム

開催日時：2019 年 10 月 19 日（土）9 時～20 日（日）18 時

会 場：東京海洋大学品川キャンパス講義棟・マリンサイエンスミュージアム

大会日程（会場）

10 月 19 日（土）

- 8:00 受付開始（講義棟 3 階・31 番教室前）
9:00 開会挨拶（講義棟 3 階・32 番教室）
9:05-11:55 口頭発表（O1～O10）（講義棟 3 階・32 番教室）
11:00-13:30 評議員会（講義棟 3 階・31 番教室）
11:55-13:00 昼 食
13:00-14:55 口頭発表（O11～O17）（講義棟 3 階・32 番教室）
15:00-15:10 記念撮影（マリンサイエンスミュージアム前）
15:10-17:40 ポスター発表（P1～P38, H1～H5）
（マリンサイエンスミュージアム 1 階）
18:00-20:00 懇親会（大学会館 1 階・生協食堂）

10 月 20 日（日）

- 9:00-12:05 口頭発表（O18～O28）（講義棟 3 階・32 番教室）
12:05-13:00 昼 食
13:00-14:00 総 会（講義棟 3 階・32 番教室）
14:00-18:00 Open International Symposium: Reproductive Biology of Barnacles
（口頭発表，講義棟・32 番教室：ポスター発表，同 31 番教室）
18:00 閉会挨拶

マリンサイエンスミュージアムにおいて、特別展「海のいざない～田口道夫甲殻類コレクション」が開催されています（19 日 13 時～18 時：20 日 10 時～16 時）。甲殻類学会参加者は自由に観覧できます。

口頭発表要領

発表時間は、講演 12 分、質疑 3 分、計 15 分です。発表には Power Point ファイルまたは pdf ファイルを使用されるようお願い致します。使用ソフトは Power Point 2016、Acrobat Reader DC です。PC 環境は Windows 10 のみとなります。Macintosh、Power Point 以外のソフトを使用される方は各自発表用 PC をご用意下さい。

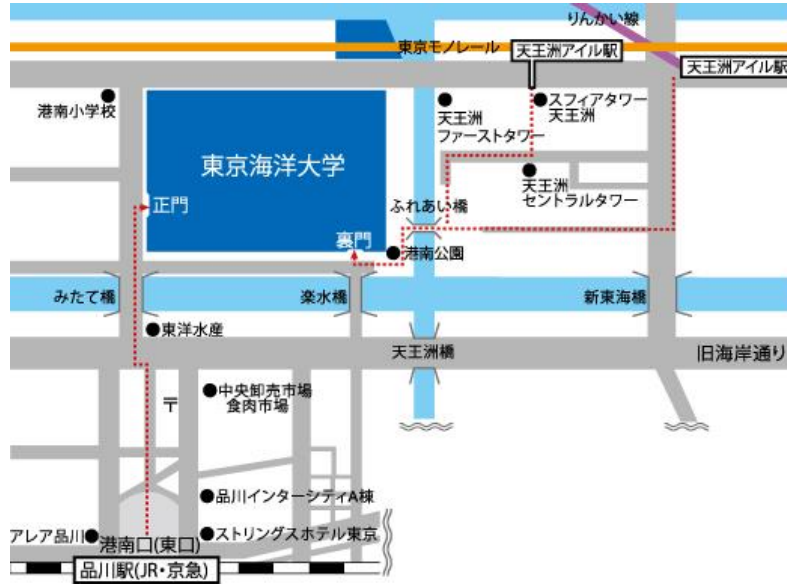
発表ファイル等のデータは USB メモリなどのメディアで会場にお持ちいただき、次の時刻までに受付までご提出ください。O1～O10：10 月 19 日 8 時 45 分、O11～O17：10 月 19 日 12 時 45 分、O18～O28：10 月 20 日 8 時 45 分

ポスター発表要領

ポスターは 1 演題につき横 90 cm×縦 120 cm 以内の大きさで作成してください。10 月 19 日のポスター発表開始時刻までにポスター発表番号が付されたボードに発表者ご自身でご掲示ください。画鋏はこちらでご用意致します。

[東京海洋大学品川キャンパスへのアクセスと会場案内]

- ・ JR 線・京浜急行線 品川駅港南口（東口）から「みたて橋」を渡り徒歩約 15 分
- ・ 東京モノレール天王洲アイル駅から「ふれあい橋」を渡り裏門まで約 15 分
- ・ りんかい線天王洲アイル駅から「ふれあい橋」を渡り裏門まで約 20 分



下図のキャンパスマップの 27 番（講義棟 3 階）が受付（31 番教室前）、一般口頭発表（32 番教室）、公開シンポジウムの口頭発表（32 番教室）とポスター発表会場（31 番教室）、休憩室（33 番教室）、23 番（マリンサイエンスミュージアム 1 階）が一般・学生・中高校生のポスター発表会場、26 番（大学会館 1 階・生協食堂）が懇親会会場です。



The 57th Annual Meeting of Carcinological Society of Japan

Program

Date: 19 and 20 October, 2019

Venue: Shinagawa Campus, Tokyo University of Marine Science and Technology, Shinagawa, Tokyo

Schedule (Venue)

Saturday, 19 October

8:00	Registration desk open (3rd floor, Lecture Room Bldg.)
9:00	Opening address (no. 32 room, Lecture Room Bldg.)
9:05-11:55	Oral presentations (no. 32 room, Lecture Room Bldg.)
11:00-13:30	Board meeting (no. 31 room, Lecture Room Bldg.)
11:55-13:00	Lunch break
13:00-14:55	Oral presentations (no. 32 room, Lecture Room Bldg.)
15:00-15:10	Commemorative photo (Marine Science Museum)
15:10-17:40	Poster presentations (Marine Science Museum)
18:00-20:00	Banquet (University Hall)

Sunday, 20 October

9:00-12:05	Oral presentations (no. 32 room, Lecture Room Bldg.)
12:05-13:00	Lunch break
13:00-14:00	Business meeting (no. 32 room, Lecture Room Bldg.)
14:00-18:00	Open International Symposium: Reproductive Biology of Barnacles (Oral presentations, no. 32 room, Lecture Room Bldg.; Poster presentations, no. 31 room, Lecture Room Bldg.)
18:00	Closing address

Guideline for oral presentations

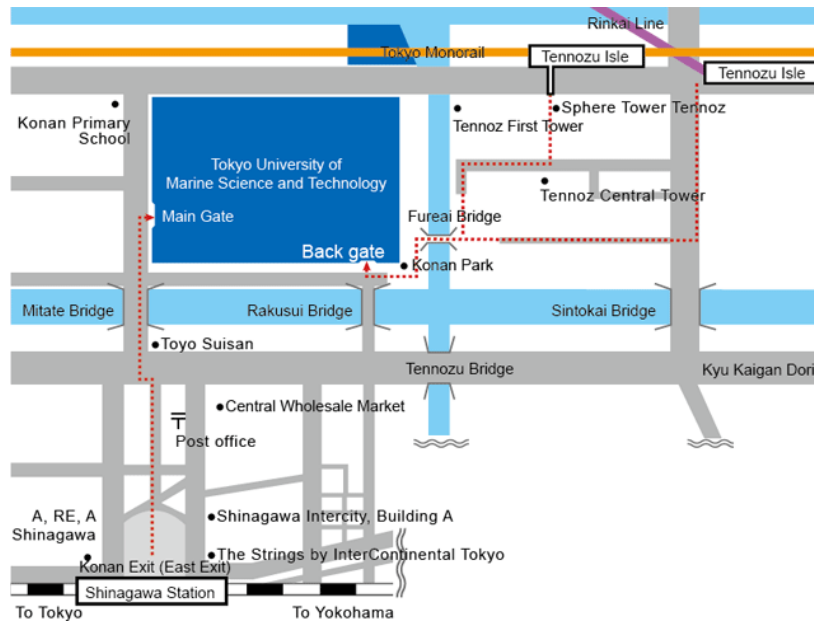
Allocated time: 15 min for each presentation including following discussion. The operating system (OS) of the provided notebook PC is Windows 10 and the presentation software is MS-Power Point 2016 or Adobe Reader DC. Please prepare your own PC for other OS and software.

Please bring a copy of your presentation file on memory stick (USB) or CD-ROM to the Registration Desk until the following time limits: O1-O10, 19 Oct. 8:45; O11-O17, 19 Oct. 12:45; O18-O28, 20 Oct. 8:45. It will be transferred to the hard drive at that time.

Guideline for poster presentations

Poster boards will be available for the accepted posters. The poster size shall be prepared in maximum 120 cm in height and 90 cm in width. The subject number with the code is provide by our staff on the upper left corner of the board in advance. Push pins can be available at the venue. Please set up your poster before 15:00 on 19 Oct.

Access to Shinagawa Campus, Tokyo University of Marine Science and Technology



- * 15 minutes' walk from Konan Exit (or East Exit), "Shinagawa Station" on the JR Line (Yamanote Line, Kehintohoku Line etc.), Tokaido Shinkansen and Keihin Kyuko Line to the main gate of the Campus via Mitate Bridge
- * 15 minutes' walk from "Tennozu Isle Station" on the Tokyo Monorail to the back gate of the Campus via Fureai Bridge
- * 20 minutes' walk from "Tennozu Isle Station" on Rinkai Line to the back gate of the Campus via Fureai Bridge

Shinagawa Campus Map

Bldg. 27 (Lecture Room Building): Oral presentations (no. 32 room), Open International Symposium (oral presentations, no. 32 room; poster presentations, no. 31 room), Board meeting (no. 31 room), Business meeting (no. 32 room), resting room (no. 33 room)
 Bldg. 23 (Marine Science Museum): Poster presentations
 Bldg. 26 (University Hall): Banquet



発表プログラム

口頭発表

10月19日(土) 9:05-14:55 : O1-O17

- 9:05 - 9:20 O1 日本近海におけるコノハエビ類の分類学的研究
平田琢真(横浜国立大学)
- 9:20 - 9:35 O2 若狭湾から採集されたスナモグリ科の未記載種
○邊見由美(京都大)・伊谷行(高知大)・大澤正幸(島根大)・
駒井智幸(千葉県中央博)
- 9:35 - 9:50 O3 エビノコバンの遺伝的集団構造
福家悠介(京都大)
- 9:50 - 10:05 O4 イソヨコバサミに見られる色彩変異の成長段階・生息地域による出現頻度の違い
○吉川晟弘(京都大)・池尾一穂・井元順一(遺伝研)・Wachirah Jaingam (Kasetsart University)・Lily Surayya Eka Putri・Mardiansyah (State Islamic University of Syarif Hidayatullah Jakarta)・中野智之・朝倉彰(京都大)
- 10:05 - 10:15 休憩
- 10:15 - 10:30 O5 マストを形成するキシシヤクトリドロノミのファイバースコープによる野外観察
○平岩愛彩・関口周・伊藤浩吉・猪股英里・吾妻行雄・
青木優和(東北大)
- 10:30 - 10:45 O6 本邦南西部海域におけるイセエビおよびヒメセミエビ類フィロゾーマ幼生の時空間分布と輸送過程
○植田健太・山川卓(東京大)・柳本卓・張成年(水産機構・中央水研)・武富智也(東京都小笠原水産センター)
- 10:45 - 11:00 O7 モガニ属3種におけるカムフラージュ形質の成長に伴う変化様式の比較
○大土直哉(筑波大)・早川淳・中本健太(東京大)・黒木洋明(水研機構・中央水研)・河村知彦(東京大)
- 11:00 - 11:10 休憩
- 11:10 - 11:25 O8 環境DNA及びビットフォールトラップを用いたニホンザリガニの新たな調査方法の試み
○田中一典(北海道大)・池田幸資(パシフィックコンサルタンツ株式会社)
- 11:25 - 11:40 O9 ニホンザリガニ未確認地域の根室半島地域における調査報告
○田中一典(北海道大)・土居秀幸(兵庫県立大学)・池田幸資(パシフィックコンサルタンツ株式会社)・川井唯史(北海道立総合研究機構)
- 11:40 - 11:55 O10 環境中の陽イオンが干潟に生息するカニ類に与える影響
山口雅裕(鈴鹿高専)
- 11:55 - 13:00 昼食

- 13:00 – 13:15 O11 閉鎖性内湾における季節性貧酸素化が底生カイアシ類群集に与える影響
中山華穂里・河野一希・○嶋永元裕（熊本大）・Quyen T. D. Nguyen・
上田 遼・和田 実（長崎大）
- 13:15 – 13:30 O12 最新の“ハラムシ”分類事情
上野大輔（鹿児島大）
- 13:30 – 13:45 O13 ツマグロハタンポとショウサイフグから得られたウオノエ科等脚類の幼体
○齋藤暢宏（株式会社水土舎）・奥野淳兒（千葉県立中央博物館分館
海の博物館）・饗場空璃（埼玉県戸田市）
- 13:45 – 14:00 O14 **Waving** の起源は、感覚トラップか？ 1. 単純なハサミの動きが雌雄の放浪個体を誘引する
○逸見泰久・笠村啓司（熊本大）
- 14:00 – 14:10 休 憩
- 14:10 – 14:25 O15 アミメノコギリガザミ稚ガニの脱皮間期における共食いに及ぼす体サイズ比と胸脚欠損の影響
○三田哲也・清水智仁・小磯雅彦（水産機構・西海水研）・浜崎活幸
（東京海洋大）
- 14:25 – 14:40 O16 深海生等脚目オオグソクムシにおいて観察された上陸行動の報告
○小鹿孝太郎・加藤太平・森山 徹（信州大）
- 14:40 – 14:55 O17 Phylogenetic reconstruction of the subsection Thoracotremata (Decapoda, Brachyura, Eubrachyura) based on multi-locus approach: Origin of territoriality and the co-diversification of Sesarmidae with mangrove
○Tsz To Tsang (The Chinese University of Hong Kong), Christoph Schubart (Universität Regensburg), Peter Kee Lin Ng (National University of Singapore) & Ling Ming Tsang (The Chinese University of Hong Kong)

10月20日（日）9:00-12:05 : O18-O28

- 9:00 – 9:15 O18 ゾウリエビのプレフィロゾーマ幼生について
○清水亜朱沙・伊藤公一（城崎マリンワールド）
- 9:15 – 9:30 O19 西部北太平洋で採集された深海エビの“怪物幼生”
○張 成年・柳本 卓・小西光一（水産機構・中央水研）・折田 亮（佐賀大）・駒井智幸（千葉中央博）・小松浩典（科博）
- 9:30 – 9:45 O20 ハナサキガニ幼生の生残および発育に及ぼす水温の影響
○市川 卓（東京農業大）・工藤良二（根室市水産研究所）
- 9:45 – 10:00 O21 北海道と本州のモクズガニの遺伝的変異について
○柳本 卓（水研機構・中央水研）・市川 卓（東京農業大）・市村政樹（標津サーモン科学館）・山本 潤（北海道大）・松崎浩二（ふくしま海洋科学館）
- 10:00 – 10:10 休 憩

- 10:10 – 10:25 O22 駿河湾の礫浜海岸におけるマメアカイソガニの生活史
○土井 航 (鹿児島大) ・森田 進・武藤文人 (東海大)
- 10:25 – 10:40 O23 クボミテッポウエビの相対成長と生活史
○クリスチャン・アルデア・ジョネル・コラル(高知大) ・邊見由美 (京都大) ・伊谷 行 (高知大)
- 10:40 – 10:55 O24 The freshwater crab genus *Sundathelphusa* Bott, 1969 (Gecarcinucidae) in the Philippines: continuing legacies in species discovery
○Jose Christopher E. Mendoza & Peter K. L. Ng (National University of Singapore)
- 10:55 – 11:10 O25 Molecular phylogeny of Goneplacoidea crabs (Crustacea: Brachyura)
○Ling Ming Tsang (The Chinese University of Hong Kong), Peter Castro (California State Polytechnic University), Jose Christopher Mendoza & Peter Kee Lin Ng (National University of Singapore)
- 11:10 – 11:20 休 憩
- 11:20 – 11:35 O26 Fishing trials with natural and artificial baits for the pot fishery of the sand crab *Ovalipes punctatus*
○Miguel Vazquez Archdale (Kagoshima University), Gunzo Kawamura (Universiti Malaysia Sabah) & Jorge Santos (University of Tromsø)
- 11:35 – 11:50 O27 エビ類アルギニンキナーゼの比較生化学的研究
中村達矢・○大石正道 (北里大)
- 11:50 – 12:05 O28 TCS 2019 Hong Kong 大会の参加・発表報告と日本固有亜種ミナミヌマエビの岡山の純系と外来種の交雑実験と純系の額角の検討
○丹羽信彰 (京都大) ・繁戸克彦・池澤宏樹・仁田峠達也 (神戸高校)

ポスター発表 (P) ・ 中高生研究発表 (H)

10月19日(土) 15:10-17:40: P1-P38 and H1-H5

- P1 Environmental factors as drivers for species distribution of the freshwater crabs of Iraq: *Potamon magnum* and *Potamon mesopotamicum*
○Amaal Gh. Yasser (University of Basra) & Murtada D. Naser (Griffith University)
- P2 キタノスジエビとスジエビ B タイプの比較
○張 成年・柳本 卓・小西光一(水産機構・中央水研)・野原健司・澤本彰三・大貫貴清(東海大)・池田 実(東北大)・丸山智朗(建設環境研究所)・今井 正(水産機構・瀬戸水研)
- P3 西表島網取湾におけるミナミオカガニの巣穴の利用生態
○土井 航(鹿児島大)・中村聡佑・伊藤洸太・水谷 晃・河野裕美(東海大)
- P4 Waving の起源は、感覚トラップか?
2. チゴガニ waving は、放浪オスをも誘引する
○逸見泰久・笠村啓司・佐久川尚人(熊本大)
- P5 ホンヤドカリの貝殻選択：同種個体の影響
和田 哲(北海道大)
- P6 琉球列島の海底洞窟から得られた端脚目(フクロエビ上目)
○下村通誉(京都大)・藤田喜久(沖縄県立芸術大)
- P7 日本海沿岸からのアナジャコ下目および異尾下目の新記録種
○大澤正幸(島根大)・太田悠造(山陰ジオ自然館)
- P8 カリブイセエビ保護を志向した漁法に用いる人工集合フェロモン開発のためのバイオマーカー探索
○神尾道也(東京海洋大), Erica Ross (University of Florida), Jan Tebben (Alfred Wegener Institute), Tilmann Harder (University of Bremen), Charles Derby (Georgia State University) & Donald Behringer (University of Florida)
- P9 飼育下におけるキンチャクガニの幼生発生について
○田中宏典・吉野剛弘(大洗水族館)
- P10 カニはなぜ横に歩くのか：カニとエビの比較解析から適応的意義を探る
○高倉千紘・岡田二郎・河端雄毅(長崎大)
- P11 インドー西太平洋域における条件的なエビ-ハゼ共生の種間関係
○桐原聡太(高知大)・邊見由美(京都大)・伊谷 行(高知大)
- P12 オオバウチワエビ初期幼生の成長に伴う走光性の変化
○鈴木健太・岩崎貞治・若林香織(広島大学)
- P13 Acute toxicity of ammonia to phyllosoma Stage I of a slipper lobster *Galearctus kitanoviriosus* (Harada, 1962)
○Quan Nguyen Hong (Hiroshima University), Yoshimi Hamatsu, Hiroaki Uchida (Nagisa Aquarium) & Kaori Wakabayashi (Hiroshima University)

- P14 DNA バーコーディングに基づくツメヒメセミエビ属 (*Chelarctus*) 4種のフィロゾーマ幼生の形態比較
○植田健太・山川 卓・黒木真理 (東京大)・柳本 卓・張 成年 (水産機構・中央水研)・武富智也 (東京都小笠原水産センター)
- P15 飼育下におけるラウスブドウエビ *Pandalus spinosior* の雄性突起の形成
○日比野麻衣・松崎浩二 (公財ふくしま海洋科学館)
- P16 絶滅危惧種コブシアナジャコの巣穴構造
○邊見由美 (京都大)・小田和実・伊谷 行 (高知大)
- P17 ケガニ甲羅の雌雄形態解析
○豊田賢治 (神奈川大・東京理科大)・泉賢太郎 (千葉大)・大平 剛 (神奈川大)・市川卓 (東京農業大)・竹内 謙 (東京理科大)
- P18 環境要因がアルテミアの繁殖多型に与える影響
○湊谷紗妃・大平 剛・豊田賢治 (神奈川大)
- P19 ケガニの甲殻類血糖上昇ホルモンの精製・単離と生理機能解析
○安藤有史 (神奈川大)・豊田賢治 (神奈川大・東京理科大)・竹内 謙 (東京理科大)・大平 剛 (神奈川大)
- P20 アナジャコ科甲殻類に寄生するマゴコロガイの宿主特異性と寄生率変動
○村上瑠菜・清水綾乃・佐藤あゆみ・樺葉顕信・伊谷 行 (高知大)
- P21 熱水性カイアシ類 *Stygiopontius senokuchiae* の成長にともなう形態変化と齡構成の空間変異
○川谷健人・嶋永元裕 (熊本大)
- P22 日本産ナギサスナホリムシ属 (等脚目: スナホリムシ科) の分類学的再検討
○福地 順・中野智之・下村通誉・朝倉 彰 (京都大)
- P23 インドー西太平洋産ヨコバサミ属ヤドカリにおける歩脚色彩多様化過程の分子系統解析による推定
○吉川晟弘 (京都大)・池尾一穂・井元順一 (遺伝研)・朝倉 彰 (京都大)
- P24 ハクセンシオマネキの放浪個体は、巣穴の持ち主を目印に逃げ込む巣穴を探す
○森田正太郎・逸見泰久 (熊本大)
- P25 ハクセンシオマネキのメスによる配偶相手のサンプリング:産卵までの日数とメスサイズに応じた地表温度の訪問雄数に対する効果
竹下文雄 (北九州自歴博)
- P26 琉球列島より得られたコドモヒメシャコ属(軟甲綱口脚目ヒメシャコ科)の日本初記録種 2 種を含む 4 形態種の記録
○中島広喜 (東京海洋大)・成瀬 貫 (琉球大)
- P27 イッカクガニ *Menaethius monoceros* (十脚目: 短尾下目: モガニ科) の分類について 2. 屋久島・沖縄島・慶良間諸島から得られた 1 不明種
○大土直哉 (筑波大)・Laure Corbari・Paula Martin-Lefèvre (MNHN)

- P28 外来種アメリカザリガニの効率的な駆除手法の検討：
ペットボトル製トラップとエビ籠の構造および使用時期
○福井大希（岡山大，現所属：株式会社ウエスコ）・中田和義（岡山大）
- P29 両側回遊性 *Caridina* 属エビ類 3 種のコアレセント・シミュレーションによる移住率の推定
○藤田純太（京都府立東舞鶴高校）・井口 亮（産総研）・甲斐嘉晃・山下 洋（京都大）
- P30 スマエビ科幼生の生残と発育に及ぼす水温と塩分の影響
○近藤終至・浜崎活幸・團 重樹・北田修一（東京海洋大）
- P31 ヒメヌマエビ幼生の生残と発育に及ぼす水温と塩分の影響
○本多 聡・浜崎活幸・團 重樹・北田修一（東京海洋大）
- P32 スマエビ科幼生飼育における適正な餌料系列
○西本壮汰・浜崎活幸・團 重樹・北田修一（東京海洋大）
- P33 オニヌマエビ幼生飼育における適正な餌料系列
○田中元貴・浜崎活幸・團 重樹・北田修一（東京海洋大）
- P34 スマエビ科幼生の飢餓耐性に及ぼす水温と塩分の影響
○川上陽平・浜崎活幸・團 重樹・北田修一（東京海洋大）
- P35 ヤマトヌマエビの産卵とふ化に及ぼす水温の影響
○中本義大・浜崎活幸・團 重樹・北田修一（東京海洋大）
- P36 千葉県坂田川における両側回遊性ヌマエビ類の個体群動態
○宗形恵汰・浜崎活幸・團 重樹・北田修一（東京海洋大）
- P37 イソカニダマシの被食回避における鋏脚の機能評価：イワガニを捕食者とした事例
○房 英東・浜崎活幸・團 重樹（東京海洋大）
- P38 千葉県館山市坂田海岸におけるヒライソガニの体色変異
○木下拓海・浜崎活幸・團 重樹（東京海洋大）
- H1 ミジンコの耐久卵～天敵のにおいで形状が変わる？～
小早川莉穂（新潟県立新発田高等学校）
- H2 干潟のカニの乾燥対策—その 3 吸水毛（仮称）を中心としたカニの毛についての SEM による観察—
○齊藤直哉・澤村涼大・橋本大輝（広島学院高等学校・ラボオルカ）
- H3 カニの海から陸への移行とエラ数の関係
○石川直太郎・加納 怜・田上福人（広島学院中学校・ラボオルカ）
- H4 ミナミヌマエビの色彩の嗜好性
○小林瑞生・○西田愛理・小高暢子・佐伯知明（山脇学園中学校・高等学校）
- H5 ラバー堰がモクズガニの遡上に与える影響
田中宏樹（金光学園高等学校）

Open International Symposium: Reproductive Biology of Barnacles

Organizers: Ryuta Yoshida (Ochanomizu University), Kota Sawada (National Research Institute of Far Seas Fisheries), Masami Tamechika (Hokkaido University) & Yoichi Yusa (Nara Women's University)

Sunday, 20 October [14:00-18:00]

14:00 – 14:05 Opening address

Keynote Session

14:05 – 14:35 SK1 What makes the cirripede cypris unique among invertebrate larvae?
Jens T. Høeg (University of Copenhagen)

14:35 – 15:05 SK2 Larval morphology of sponge inhabiting barnacles and its diversity of attachment organs
Meng-Chen Yu & OBenny K.K. Chan (Academia Sinica)

Poster Session

15:05 – 16:05 SP1 Predator nonconsumptive limitation of prey recruitment contributes to predator-driven biotic resistance against introduced prey

OTakefumi Yorisue (Tohoku University), Julius A. Ellrich (Saint Francis Xavier University) & Kyosuke Momota (Port and Airport Research Institute)

SP2 Life cycle of the rhizocephalan *Boschmaella japonica* and its effects on the host barnacle *Chthamalus challenger*

OMiku Yabuta (Nara Women's University), Jens T. Høeg (University of Copenhagen), Shigeyuki Yamato (Kyoto University) & Yoichi Yusa (Nara Women's University)

SP3 Larval development of a whale barnacle, *Coronula diadema*

OYasuyuki Nogata (Central Research Institute of Electric Power Industry), Mikiko Okada, Chie Fujimoto (Nihon University), Kiyotaka Matsumura (Central Research Institute of Electric Power Industry; Kitasato University), Noriyuki Endo (Central Research Institute of Electric Power Industry; Himeji Eco-tech) & Miwa Suzuki (Nihon University)

SP4 Localization of vitellogenin homologs during oogenesis, embryogenesis and larval development in the parasitic barnacle, *Sacculina yatsui*

ONatsuki Takizawa, Momoko Kobayashi (Akita Prefectural University), Ryuta Yoshida (Ochanomizu University), Mieko Oguro-Okano (Akita Prefectural University; Yamazaki University of Animal Health Technology), Yue Him Wong & Keiju Okano (Akita Prefectural University)

SP5 Parasitic castration of the rhizocephalan barnacles infecting the Asain shore crab *Hemigrapsus sanguineus*

OTatsuya Ishii, Yuto Takahashi (Akita Prefectural University), Mieko Oguro-Okano (Akita Prefectural University; Yamazaki University of Animal Health Technology), Yue Him Wong & Keiju Okano (Akita Prefectural University)

SP6 Re-examination of shell structure and the trial to identify the cells responsible for shell formation in *Megabalanus rosa*

OYuuki Ban, Yue Him Wong (Akita Prefectural University), Yasuyuki Nogata (Central Research Institute of Electric Power Industry), Erina Yoshimura (CERES), Mieko Oguro-Okano (Akita Prefectural University; Yamazaki University of Animal Health Technology) & Keiju Okano (Akita Prefectural University)

- SP7 Life cycle and seasonal sex ratio variation in the rhizocephalan *Peltogasterella gracilis*
 ○Asami Kajimoto (Nara Women's University), Kenji Kato, Jens T. Høeg (University of Copenhagen) & Yoichi Yusa (Nara Women's University)
- SP8 Reproductive success of dwarf males and hermaphrodites in *Octolasmis unguisiformis*
 Masako Kawane, ○Yurika Dantsuji (Nara Women's University), Shun Kawaida (Shimane University), Masashi Sekino (National Research Institute of Fisheries Science) & Yoichi Yusa (Nara Women's University)
- SP9 Reproductive ecology of deep sea scalpellid barnacles
 ○Nanami Hashizoe (Nara Women's University), Yasunori Kano (The University of Tokyo) & Yoichi Yusa (Nara Women's University)
- SP10 Pre-settlement behaviors of cypris larvae of the barnacle, *Amphibalanus amphitrite*, on the micro-structured surfaces
 ○Takayuki Murosaki (Asahikawa Medical University), Yasuyuki Nogata (Central Research Institute of Electric Power Industry) & Yuji Hirai (Chitose Institute of Science and Technology)
- SP11 Taxonomic reviews of the Japanese *Dendrogaster* species, with notes of two undescribed species
 ○Akari Yoshimoto (Hiroshima University), Nobuhiro Saito (Suido-sha Co. Ltd.), Takeya Moritaki (Toba Aquarium) & Kaori Wakabayashi (Hiroshima University)

Oral Session

- 16:05 – 16:25 SO1 Evolution of diverse sexual systems in Thoracican barnacles: a theoretical approach
 ○Sachi Yamaguchi (Nara Women's University) & Yoh Iwasa (Kwansei Gakuin University)
- 16:25 – 16:45 SO2 What factors affect sex allocation in simultaneous hermaphrodites?: The case of *Balanus rostratus*
 ○Masami M. Tamechika, Kohei Matsuno, Satoshi Wada (Hokkaido University) & Yoichi Yusa (Nara Women's University)
- 16:45 – 17:05 SO3 Life-history traits of deep-sea hydrothermal vent barnacles
 Hiromi Kayama Watanabe (Japan Agency for Marine-Earth Science and Technology)
- 17:05 – 17:15 Coffee break
- 17:15 – 17:35 SO4 The biology of enigmatic crustacean y-larvae (Thecostraca: Facetotecta)
 ○Niklas Dreyer (Academia Sinica; University of Copenhagen), Jens Thorvald Høeg (University of Copenhagen), Mark J. Grygier (National Taiwan Ocean University), Jørgen Olesen (Academia Sinica), Ferran Palero (Centro de Estudios Avanzados de Blanes; University of Lodz), Ryuji Machida (Academia Sinica) & Benny KK Chan (Academia Sinica)
- 17:35 – 17:55 SO5 Gregarious settlement as a reproductive strategy in barnacles—Current studies and future perspectives –
 Kiyotaka Matsumura (Kitasato University)
- 17:55 – 18:00 Closing address

Program

Oral Session

Saturday, 19 October [9:05-14:55]: O1-O17

- 9:05 – 9:20 O1 Taxonomic study of Leptostraca in the sea near Japan
Takuma Hirata (Yokohama National University)
- 9:20 – 9:35 O2 An undescribed species of the family Callianassidae from Wakasa Bay, Sea of Japan
○Yumi Henmi (Kyoto University), Gyo Itani (Kochi University), Masayuki Osawa (Shimane University) & Tomoyuki Komai (Natural History Museum and Institute, Chiba)
- 9:35 – 9:50 O3 Genetic population structure of the corallanid isopod *Tachaea chinensis*
Yusuke Fuke (Kyoto University)
- 9:50 – 10:05 O4 The difference in the occurrence of the color variation in the intertidal hermit crab *Clibanarius virescens* (Krauss, 1843) depends on the growth stage and geographic area
○Akihiro Yoshikawa (Kyoto University), Kazuho Ikeo, Junichi Imoto (National Institute of Genetics), Wachirah Jaingam (Kasetsart University), Lily Surayya Eka Putri, Mardiansyah (State Islamic University of Syarif Hidayatullah Jakarta), Tomoyuki Nakano & Akira Asakura (Kyoto University)
- 10:05 – 10:15 Coffee break
- 10:15 – 10:30 O5 Field observation of the mast-building amphipod *Dulichia biarticulata* by using a fiber scope
○Maaya Hiraiwa, Shu Sekiguchi, Kokichi Ito, Eri Inomata, Yukio Agatsuma & Masakazu Aoki (Tohoku University)
- 10:30 – 10:45 O6 Spatio-temporal distribution and transport pathways of phyllosoma larvae of *Panulirus japonicus* and Scyllarinae in the southern west Japanese water
○Kenta Ueda, Takashi Yamakawa (The University of Tokyo), Takashi Yanagimoto, Seinen Chow (National Research Institute of Fisheries Science) & Tomoya Taketomi (Tokyo Ogasawara Marine Products Center)
- 10:45 – 11:00 O7 Ontogenetic changing patterns of camouflaging characters in three *Pugettia species*
○Naoya Ohtsuchi (University of Tsukuba), Jun Hayakawa, Kenta Nakamoto (The University of Tokyo), Hiroaki Kurogi (National Research Institute of Fisheries Science) & Tomohiko Kawamura (The University of Tokyo)
- 11:00 – 11:10 Coffee break
- 11:10 – 11:25 O8 New research method of Japanese crayfish using environmental DNA and Pitfall trap
○Kazunori Tanaka (Hokkaido University) & Kousuke Ikeda (Pacific Consultants Co. Ltd.)
- 11:25 – 11:40 O9 Investigation report in Nemuro peninsula area of Japanese crayfish unidentified area
○Kazunori Tanaka (Hokkaido University), Hideyuki Doi (University of Hyogo), Kousuke Ikeda (Pacific Consultants Co. Ltd) & Tadashi Kawai (Central Fisheries Research Institute)

- 11:40 – 11:55 O10 Effect of environmental cations on survival and gene expressions of euryhaline crabs
Masahiro Yamaguchi (Suzuka College)
- 11:55 – 13:00 Lunch break
- 13:00 – 13:15 O11 Strong impacts of seasonal hypoxia on benthic copepod community structure in an enclosed coastal sea, Omura Bay, Kyusyu
Kahori Nakayama, Kazuki Kawano, Omotohiro Shimanaga (Kumamoto University), Quyen T. D. Nguyen, Ryo Ueda & Minoru Wada (Nagasaki University)
- 13:15 – 13:30 O12 Recent progress on the taxonomy of the genus *Panaetis* (Copepoda: Anthessiidae)
Daisuke Uyeno (Kagoshima University)
- 13:30 – 13:45 O13 Immature specimens of cymothoid isopod (Crustacea) infected an Obliquemouth sweeper, *Pempheris japonica* (Perciformes, Pempheridae) and a Vermiculated puffer, *Takifugu snyderi* (Tetraodontiformes, Tetraodontidae)
Onobuhiro Saito (Suido-sha Co. Ltd.), Junji Okuno (Coastal Branch of Natural History Museum and Institute, Chiba), & Sorari Aiba (Toda city, Saitama)
- 13:45 – 14:00 O14 Is the origin of waving display “sensory trap”?
1. Simple movement of claws attracts male and female wanderers
O Yasuhisa Henmi & Keiji Kasamura (Kumamoto University)
- 14:00 – 14:10 Coffee break
- 14:10 – 14:25 O15 Effects of body size difference and pereopod loss on cannibalism during the intermolt period of mud crab *Scylla serrata* juveniles
OTetsuya Sanda, Tomohito Shimizu, Masahiko Koiso (Seikai National Fisheries Research Institute) & Katsuyuki Hamasaki (Tokyo University of Marine Science and Technology)
- 14:25 – 14:40 O16 A case report of landing behavior observed in the deep-sea isopod *Bathynomus doederleini*
OKotaro Koshika, Taihei Kato & Toru Moriyama (Shinshu University)
- 14:40 – 14:55 O17 Phylogenetic reconstruction of the subsection Thoracotremata (Decapoda, Brachyura, Eubrachyura) based on multi-locus approach: Origin of territoriality and the co-diversification of Sesamidae with mangrove
OTsz To Tsang (The Chinese University of Hong Kong), Christoph Schubart (Universität Regensburg), Peter Kee Lin Ng (National University of Singapore) & Ling Ming Tsang (The Chinese University of Hong Kong)

Sunday, 20 October [9:00-12:05]: O18-O28

- 9:00 – 9:15 O18 The pre-phyllosome larvae of the Japanese mitten lobster
O Azusa Shimizu & Koichi Ito (Kinosaki Marine World)
- 9:15 – 9:30 O19 Monster larvae of deep-sea shrimp collected in the western North Pacific
O Seinen Chow, Takashi Yanagimoto, Kooichi Konishi (National Research Institute of Fisheries Science), Ryo Orita (Saga University), Tomoyuki Komai (Natural History Museum and Institute, Chiba) & Hironori Komatsu (National Museum of Nature and Science)

- 9:30 – 9:45 O20 Effect of water temperature on survival and development of larvae of the hanasaki crab *Paralithodes brevipes*
 ○Takashi Ichikawa (Tokyo University of Agriculture) & Ryoji Kudo (Nemuro City Fisheries Research Institute)
- 9:45 – 10:00 O21 Genetic diversities of Japanese mitten crab *Eriocheir japonica* collected in Hokkaido and Honshu
 ○Takashi Yanagimoto (National Research Institute of Fisheries Science), Takashi Ichikawa (Tokyo University of Agriculture), Masaki Ichimura (Shibetsu Salomon museum), Jun Yamamoto (Hokkaido University) & Koji Matuzaki (Marine Science Museum, Fukushima Prefecture, Aquamarine Fukushima)
- 10:00 – 10:10 Coffee break
- 10:10 – 10:25 O22 Life history of varunid crab *Cyclograpsus pumilio* on a cobble shore in Suruga Bay, Japan
 ○Wataru Doi (Kagoshima University), Susumu Morita & Fumihito Muto (Tokai University)
- 10:25 – 10:40 O23 Secondary growth and life history of the symbiotic alpheid *Stenalpheops anacanthus*
 ○Kristian Q. Aldea, Jonel M. Corral (Kochi University), Yumi Henmi (Kyoto University) & Gyo Itani (Kochi University)
- 10:40 – 10:55 O24 The freshwater crab genus *Sundathelphusa* Bott, 1969 (Gecarcinucidae) in the Philippines: continuing legacies in species discovery
 ○Jose Christopher E. Mendoza & Peter K. L. Ng (National University of Singapore)
- 10:55 – 11:10 O25 Molecular phylogeny of Goneplacoidea crabs (Crustacea: Brachyura)
 ○Ling Ming Tsang (The Chinese University of Hong Kong), Peter Castro (California State Polytechnic University), Jose Christopher Mendoza & Peter Kee Lin Ng (National University of Singapore)
- 11:10 – 11:20 Coffee break
- 11:20 – 11:35 O26 Fishing trials with natural and artificial baits for the pot fishery of the sand crab *Ovalipes punctatus*
 ○Miguel Vazquez Archdale (Kagoshima University), Gunzo Kawamura (Universiti Malaysia Sabah) & Jorge Santos (University of Tromsø)
- 11:35 – 11:50 O27 Comparative biochemical study of arginine kinase in various shrimp species
 Tatsuya Nakamura & ○Masamichi Oh-Ishi (Kitasato University)
- 11:50 – 12:05 O28 My participation and presentation at the 2019 TCS meeting in Hong Kong held on May 26-30,2019, a cross-breeding experiment between Okayama's pure Japan-specific subspecies and alien of genus *Neocaridina*, and an analysis of a pure line rostrum
 ○Nobuaki Niwa (Kyoto University), Katsuhiko Shigeto, Hiroki Ikezawa & Tatsuya Nitatoge (Kobe High School)

Poster Session (P) with presentations by Junior and Senior High School students (H)

Saturday, 19 October [15:10-17:40]: P1-P38 and H1-H5

- P1 Environmental factors as drivers for species distribution of the freshwater crabs of Iraq: *Potamon magnum* and *Potamon mesopotamicum*
○Amaal Gh. Yasser (University of Basra) & Murtada D. Naser (Griffith University)
- P2 Comparison between *Palaemon septemtrionalis* Katogi et al. 2019 and type B of *P. paucidens*
○Seinen Chow, Takashi Yanagimoto, Kooichi Konishi (National Research Institute of Fisheries Science), Kenji Nohara, Shozo Sawamoto, Takakiyo Oonuki (Tokai University), Minoru Ikeda (Tohoku University), Tomoaki Maruyama (Civil Engineering and Eco-technology Consultation) & Tadashi Imai (National Research Institute of Fisheries and Environment of Inland Sea)
- P3 Burrow utilization by *Cardisoma carnifex* in Amitori Bay on Iriomote Island, Japan
○Wataru Doi (Kagoshima University), Sosuke Nakamura, Kota Itoh, Akira Mizutani & Hiroyoshi Kohno (Tokai University)
- P4 Is the origin of waving display “sensory trap”?
2. Waving of *Ilyoplax pusilla* attracts also wandering males
○Yasuhisa Henmi, Keiji Kasamura & Naoto Sakugawa (Kumamoto University)
- P5 Effect of neighbor on shell selection in the hermit crab *Pagurus filholi*
Satoshi Wada (Hokkaido University)
- P6 Amphiods (Peracarida) from submarine cave of the Ryukyu Islands
○Michitaka Shimomura (Kyoto University) & Yoshihisa Fujita (Okinawa Prefectural University of Arts)
- P7 New records of species of Gebiidea and Anomura from the Sea of Japan
○Masayuki Osawa (Shimane University) & Yuzo Ota (San'in Kaigan Geopark Museum of the Earth and Sea, Tottori)
- P8 Biomarker targeting to identify aggregation and avoidance cues in the Caribbean spiny lobster for practical application and conservation
○Michiya Kamio (Tokyo University of Marine Science and Technology), Erica Ross (University of Florida), Jan Tebben (Alfred Wegener Institute), Tilmann Harder (University of Bremen), Charles Derby (Georgia State University) & Donald Behringer (University of Florida)
- P9 Larval development of *Lybia tessellata* (Decapoda, Xanthidae) described from laboratory-reared material
○Hironori Tanaka & Takehiro Yoshino (Ibaraki prefectural Oarai Aquarium)
- P10 Why do crabs walk sideways? Exploring its adaptive significance from comparative analysis of crab and shrimp
○Takakura Chihiro, Okada Jiro & Kawabata Yuuki (Nagasaki University)
- P11 Species interaction in a facultative shrimp – goby symbiosis in the Indo-West Pacific
○Sota Kirihara (Kochi University), Yumi Henmi (Kyoto University) & Gyo Itani (Kochi University)

- P12 Ontogenetic change of the larval phototaxis in the early phyllosoma stages of the smooth fan lobster *Ibacus novemdentatus* Gibbes, 1850
 ○Kenta Suzuki, Sadaharu Iwasaki & Kaori Wakabayashi (Hiroshima University)
- P13 Acute toxicity of ammonia to phyllosoma Stage I of a slipper lobster *Gaelearctus kitanoviriosus* (Harada, 1962)
 ○Quan Nguyen Hong (Hiroshima University), Yoshimi Hamatsu, Hiroaki Uchida (Nagisa Aquarium) & Kaori Wakabayashi (Hiroshima University)
- P14 Morphological comparison among phyllosoma larvae of four *Chelarctus* species (Crustacean: Decapoda: Scyllaridae: Scyllarinae) based on DNA
 ○Kenta Ueda, Takashi Yamakawa, Mari Kuroki (The University of Tokyo), Takashi Yanagimoto, Seinen Chow (National Research Institute of Fisheries Science) & Tomoya Taketomi (Tokyo Ogasawara Marine Products Center)
- P15 Formation of appendices masculina of *Pandalus spinosior* based on laboratory-reared materials
 ○Mai Hibino & Koji Matsuzaki (Marine Science Museum, Fukushima Prefecture, Aquamarine Fukushima)
- P16 Burrow morphology of the endangered mud shrimp *Upogebia sakaii*
 ○Yumi Henmi (Kyoto University), Kazumi Oda & Gyo Itani (Kochi University)
- P17 Sexual dimorphism in the carapace of horsehair crab: morphometric approaches
 ○Kenji Toyota (Kanagawa University; Tokyo University of Science), Kentaro Izumi (Chiba University), Tsuyoshi Ohira (Kanagawa University), Takashi Ichikawa (Tokyo University of Agriculture) & Ken Takeuchi (Tokyo University of Science)
- P18 Effects of environmental conditions on reproductive polyphenism in the *Artemia*
 ○Saki Minatoya, Tsuyoshi Ohira & Kenji Toyota (Kanagawa University)
- P19 Isolation of crustacean hyperglycemic hormone in the hair crab *Erimacrus isenbeckii* and characterization of its biological activity
 ○Yushi Ando (Kanagawa University), Kenji Toyota (Kanagawa University, Tokyo University of Science), Ken Takeuchi (Tokyo University of Science) & Tsuyoshi Ohira (Kanagawa University)
- P20 Host specificity and prevalence dynamics of the bivalve *Peregrinamor ohshimai* parasitic on upogebiid shrimps in Uranouchi Inlet, Kochi, Japan
 ○Runa Murakami, Ayano Shimizu, Ayumi Sato, Akinobu Yuzuriha & Gyo Itani (Kochi University)
- P21 Morphological changes in copepodid stages and spatial differences in population structure of *Stygiopontius senokuchiae* (Siphonostomatoida, Copepoda), an endemic species at deep-sea hydrothermal vents
 ○Kento Kawatani & Motohiro Shimanaga (Kumamoto University)
- P22 Taxonomic revision of the genus *Eurydice* (Isopoda: Cirolanidae) in Japan
 ○Jun Fukuchi, Tomoyuki Nakano, Michitaka Shimomura & Akira Asakura (Kyoto University)
- P23 Molecular phylogeny of *Clibanarius* Dana, 1852 from the Indo-West Pacific: evolution of pereopod color pattern
 ○Akihiro Yoshikawa (Kyoto University), Kazuho Ikeo, Junichi Imoto (National Institute of Genetics) & Akira Asakura (Kyoto University)

- P24 Wandering crabs of *Austluca lactea* find the burrows that they escape into with the burrow owners as the landmark
 ○Shotaro Morita & Yasuhisa Henmi (Kumamoto University)
- P25 Female mate sampling of fiddler crab *Austruca lactea*: effects of surface temperature due to female size and required days until oviposition on the number of visited males
 Fumio Takeshita (Kitakyushu Museum of Natural History and Human History)
- P26 Record of four morphospecies of mantis shrimp genus *Pullosquilla* from the Ryukyu Islands, including two newly recorded species from Japan
 ○Hiroki Nakajima (Tokyo University of Marine Science and Technology) & Tohru Naruse (University of the Ryukyus)
- P27 On the taxonomy of *Menaethius monoceros* (Decapoda: Brachyura: Epialtidae) 2. An unknown species from Yakushima, Okinawa-jima, and Kerama Group
 ○Naoya Ohtsuchi (University of Tsukuba), Laure Corbari & Paula Martin-Lefèvre (Muséum national d'Histoire naturelle, Paris)
- P28 Effective structure of plastic bottle traps and shrimp traps for capturing the invasive crayfish *Procambarus clarkii*
 ○Daiki Fukui (Okayama University, Present affiliation: Wesco Co., Ltd.) & Kazuyoshi Nakata (Okayama University)
- P29 Bayesian coalescent simulation of larval migration in three amphidromous *Caridina* shrimps
 ○Junta Fujita (Kyoto Prefectural Higashi-Maizuru High School), Akira Iguchi (National Institute of Advanced Science and Technology), Yoshiaki Kai & Yoh Yamashita (Kyoto University)
- P30 Effects of temperature and salinity on larval survival and development of freshwater atyid shrimps
 ○Shuji Kondo, Katsuyuki Hamasaki, Shigeki Dan & Shuichi Kitada (Tokyo University of Marine Science and Technology)
- P31 Effect of salinity and temperature on larval survival and development of *Caridina serratirostris*
 ○So Honda, Katsuyuki Hamasaki, Shigeki Dan, & Shuichi Kitada (Tokyo University of Marine Science and Technology)
- P32 Optimum feeding schedule for culturing larvae of atyid shrimps
 ○Souta Nishimoto, Katsuyuki Hamasaki, Shigeki Dan & Shuichi Kitada (Tokyo University of Marine Science and Technology)
- P33 Optimum feeding schedule for culturing larvae of *Atyopsis spinipes*
 ○Motoki Tanaka, Katsuyuki Hamasaki, Shigeki Dan & Shuichi Kitada (Tokyo University of Marine Science and Technology)
- P34 Effects of water temperature and salinity on starvation tolerance of atyid shrimps
 ○Yohei Kawakami, Katsuyuki Hamasaki, Shigeki Dan & Shuichi Kitada (Tokyo University of Marine Science and Technology)
- P35 Effect of water temperature on spawning and hatching of captive *Caridina multidentata*
 ○Yoshio Nakamoto, Katsuyuki Hamasaki, Shigeki Dan & Shuichi Kitada (Tokyo University of Marine Science and Technology)
- P36 Population dynamics of amphidromous atyid shrimps in Banda River, Chiba Prefecture
 ○Keita Munakata, Katsuyuki Hamasaki, Shigeki Dan & Shuichi Kitada (Tokyo University of Marine Science and Technology)

- P37 Ecological function of chelipeds for anti-predatory defense in porcelain crab *Petrolisthes japonicus*: experiments using lined shore crabs *Pachygrapsus crassipes* as a predator
 ○Fang Ying Dong, Katsuyuki Hamasaki & Shigeki Dan (Tokyo University of Marine Science and Technology)
- P38 Body color variation of *Gaetice depressus* on the Banda Beach, Tateyama, Chiba Prefecture
 ○Takumi Kinoshita, Katsuyuki Hamasaki & Shigeki Dan (Tokyo University of Marine Science and Technology)
- H1 Resting egg of *Daphnia magna*
 ~ Do forms of resting egg change due to smell of a natural enemy? ~
 Riho Kohayakawa (Niigata Prefectural Shibata High School)
- H2 Countermeasures against the dryness of tideland crabs Part 3: Observation which used SEM mainly about water absorbent hair (tentative name)
 ○Naoya Saitoh, Ryota Sawamura & Daiki Hashimoto
 (Hiroshima Gakuin High School, Lab. Orca)
- H3 Relationship between crab migration from sea to land and number of gills
 ○Naotaro Ishikawa, Rei Kanoh & Fukuto Tagami
 (Hiroshima Gakuin Junior High School, Lab. Orca)
- H4 Distinction of color and/or darkness in *Neocaridina denticulata*
 ○Mizuki Kobayashi, ○Airi Nishida, Nobuko Kodaka & Tomoaki Saiki
 (Yamawaki Gakuen Junior & Senior High School)
- H5 Negative effects of rubber weirs on upstream migration of the Japanese mitten crab (*Eriocheir japonica*)
 Koki Tanaka (Konko Gakuen High School)

Open International Symposium: Reproductive Biology of Barnacles

Organizers: Ryuta Yoshida (Ochanomizu University), Kota Sawada (National Research Institute of Far Seas Fisheries), Masami Tamechika (Hokkaido University) & Yoichi Yusa (Nara Women's University)

Sunday, 20 October [14:00-18:00]

14:00 – 14:05 Opening address

Keynote Session

14:05 – 14:35 SK1 What makes the cirripede cypris unique among invertebrate larvae?
Jens T. Høeg (University of Copenhagen)

14:35 – 15:05 SK2 Larval morphology of sponge inhabiting barnacles and its diversity of attachment organs
Meng-Chen Yu & OBenny K.K. Chan (Academia Sinica)

Poster Session

- 15:05 – 16:05 SP1 Predator nonconsumptive limitation of prey recruitment contributes to predator-driven biotic resistance against introduced prey
OTakefumi Yorisue (Tohoku University), Julius A. Ellrich (Saint Francis Xavier University) & Kyosuke Momota (Port and Airport Research Institute)
- SP2 Life cycle of the rhizocephalan *Boschmaella japonica* and its effects on the host barnacle *Chthamalus challengerii*
OMiku Yabuta (Nara Women's University), Jens T. Høeg (University of Copenhagen), Shigeyuki Yamato (Kyoto University) & Yoichi Yusa (Nara Women's University)
- SP3 Larval development of a whale barnacle, *Coronula diadema*
OYasuyuki Nogata (Central Research Institute of Electric Power Industry), Mikiko Okada, Chie Fujimoto (Nihon University), Kiyotaka Matsumura (Central Research Institute of Electric Power Industry; Kitasato University), Noriyuki Endo (Central Research Institute of Electric Power Industry; Himeji Eco-tech) & Miwa Suzuki (Nihon University)
- SP4 Localization of vitellogenin homologs during oogenesis, embryogenesis and larval development in the parasitic barnacle, *Sacculina yatsui*
ONatsuki Takizawa, Momoko Kobayashi (Akita Prefectural University), Ryuta Yoshida (Ochanomizu University), Mieko Oguro-Okano (Akita Prefectural University; Yamazaki University of Animal Health Technology), Yue Him Wong & Keiju Okano (Akita Prefectural University)
- SP5 Parasitic castration of the rhizocephalan barnacles infecting the Asain shore crab *Hemigrapsus sanguineus*
OTatsuya Ishii, Yuto Takahashi (Akita Prefectural University), Mieko Oguro-Okano (Akita Prefectural University; Yamazaki University of Animal Health Technology), Yue Him Wong & Keiju Okano (Akita Prefectural University)
- SP6 Re-examination of shell structure and the trial to identify the cells responsible for shell formation in *Megabalanus rosa*
OYuuki Ban, Yue Him Wong (Akita Prefectural University), Yasuyuki Nogata (Central Research Institute of Electric Power Industry), Erina Yoshimura (CERES), Mieko Oguro-Okano (Akita Prefectural University; Yamazaki University of Animal Health Technology) & Keiju Okano (Akita Prefectural University)

- SP7 Life cycle and seasonal sex ratio variation in the rhizocephalan *Peltogasterella gracilis*
 ○Asami Kajimoto (Nara Women's University), Kenji Kato, Jens T. Høeg (University of Copenhagen) & Yoichi Yusa (Nara Women's University)
- SP8 Reproductive success of dwarf males and hermaphrodites in *Octolasmis unguisiformis*
 Masako Kawane, ○Yurika Dantsuji (Nara Women's University), Shun Kawaida (Shimane University), Masashi Sekino (National Research Institute of Fisheries Science) & Yoichi Yusa (Nara Women's University)
- SP9 Reproductive ecology of deep sea scalpellid barnacles
 ○Nanami Hashizoe (Nara Women's University), Yasunori Kano (The University of Tokyo) & Yoichi Yusa (Nara Women's University)
- SP10 Pre-settlement behaviors of cypris larvae of the barnacle, *Amphibalanus amphitrite*, on the micro-structured surfaces
 ○Takayuki Murosaki (Asahikawa Medical University), Yasuyuki Nogata (Central Research Institute of Electric Power Industry) & Yuji Hirai (Chitose Institute of Science and Technology)
- SP11 Taxonomic reviews of the Japanese *Dendrogaster* species, with notes of two undescribed species
 ○Akari Yoshimoto (Hiroshima University), Nobuhiro Saito (Suido-sha Co. Ltd.), Takeya Moritaki (Toba Aquarium) & Kaori Wakabayashi (Hiroshima University)

Oral Session

- 16:05 – 16:25 SO1 Evolution of diverse sexual systems in Thoracican barnacles: a theoretical approach
 ○Sachi Yamaguchi (Nara Women's University) & Yoh Iwasa (Kwansei Gakuin University)
- 16:25 – 16:45 SO2 What factors affect sex allocation in simultaneous hermaphrodites?: The case of *Balanus rostratus*
 ○Masami M. Tamechika, Kohei Matsuno, Satoshi Wada (Hokkaido University) & Yoichi Yusa (Nara Women's University)
- 16:45 – 17:05 SO3 Life-history traits of deep-sea hydrothermal vent barnacles
 Hiromi Kayama Watanabe (Japan Agency for Marine-Earth Science and Technology)
- 17:05 – 17:15 Coffee break
- 17:15 – 17:35 SO4 The biology of enigmatic crustacean y-larvae (Thecostraca: Facetotecta)
 ○Niklas Dreyer (Academia Sinica; University of Copenhagen), Jens Thorvald Høeg (University of Copenhagen), Mark J. Grygier (National Taiwan Ocean University), Jørgen Olesen (Academia Sinica), Ferran Palero (Centro de Estudios Avanzados de Blanes; University of Lodz), Ryuji Machida (Academia Sinica) & Benny KK Chan (Academia Sinica)
- 17:35 – 17:55 SO5 Gregarious settlement as a reproductive strategy in barnacles—Current studies and future perspectives –
 Kiyotaka Matsumura (Kitasato University)
- 17:55 – 18:00 Closing address