

# FBS Retreat 2019

@Awaji Yumebutai

5.23-24



Get to know each other.

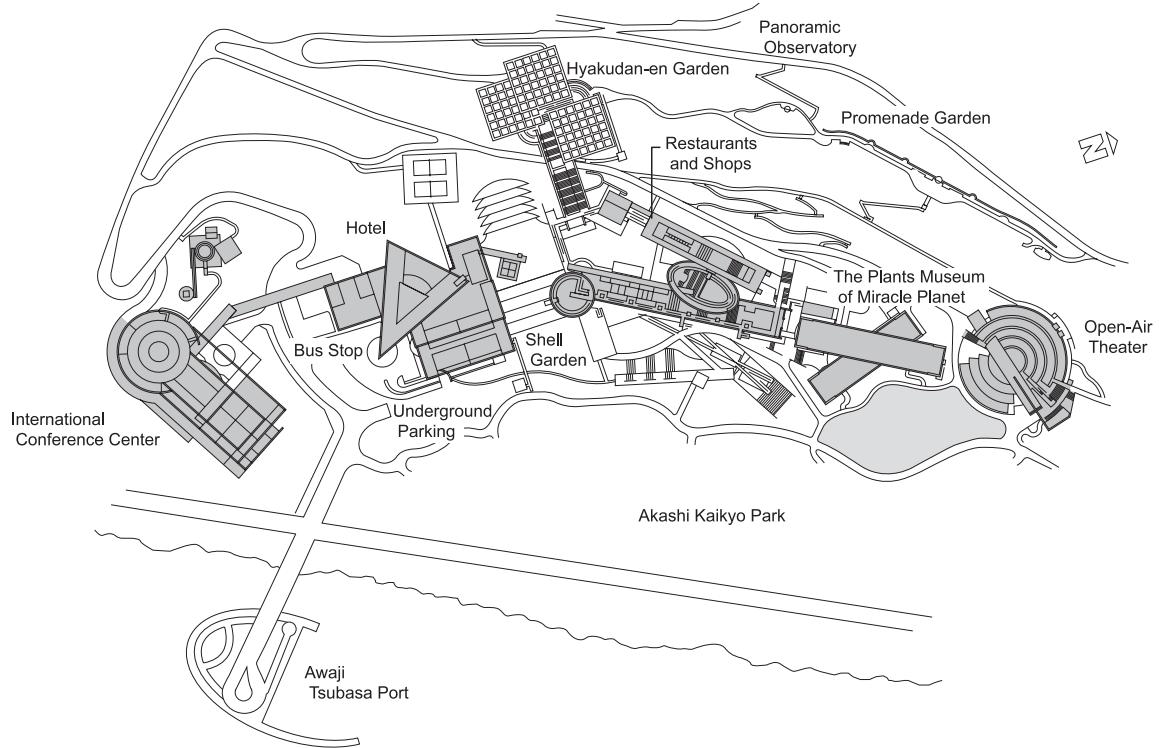
Enjoy our scientific discussion!

More happy life to share our excitement of science!

Find new ideas and technologies for our future research.

## Venue

### Awaji Yumebutai International Conference Center B1F, Event Hall & Lobby



#### Awaji Yumebutai

Yumebutai 1 Awaji, Hyogo 656-2306

Tel: 0799-74-1020

Fax: 0799-74-1021

<http://www.yumebutai.co.jp/>

#### The Westine Awaji Island Resort & Conference Center

Yumebutai 2 Awaji, Hyogo 656-2306

Tel: 0799-74-1111

<https://www.westin-awaji.com>

## Access

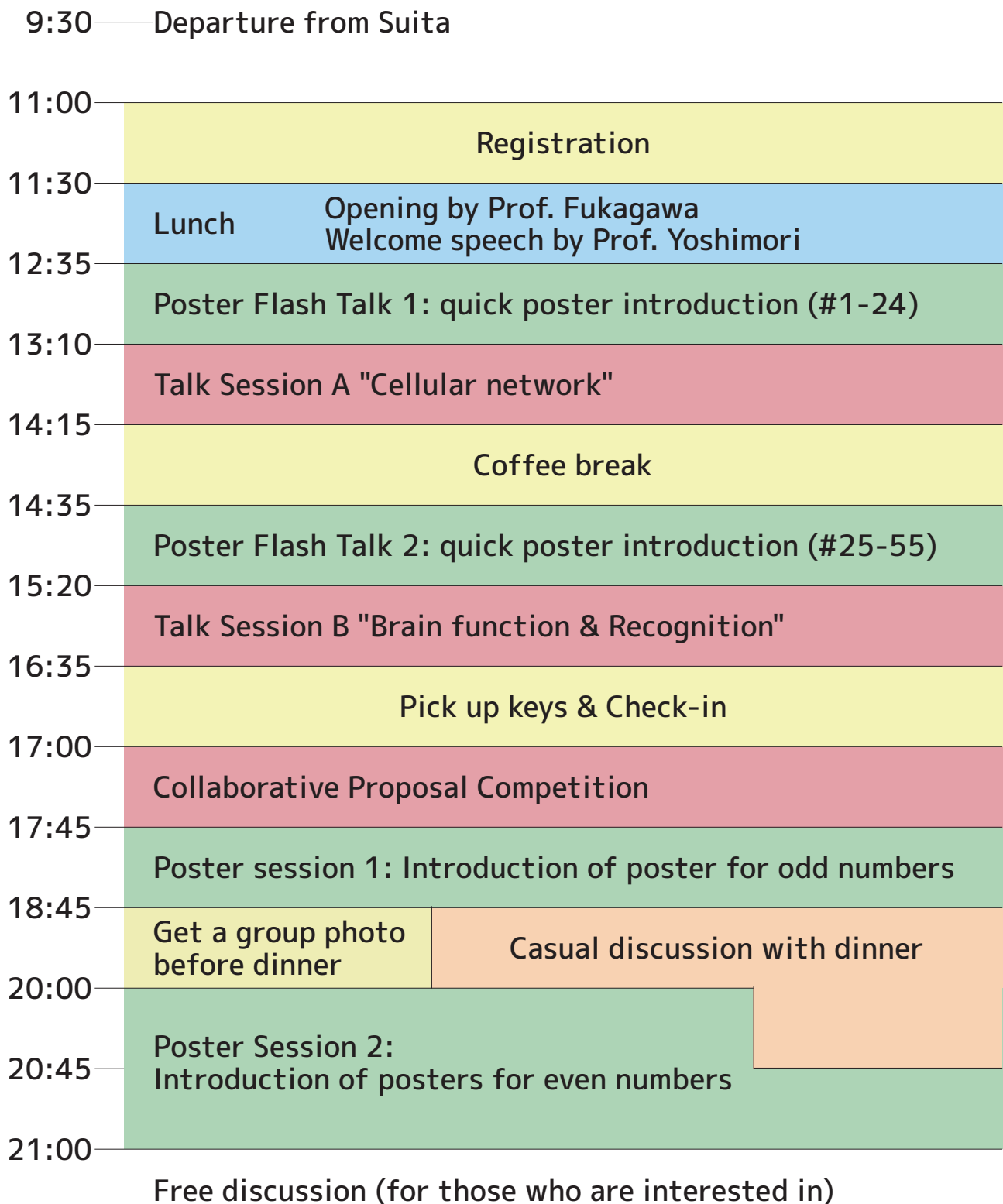
We have a reservation for the shuttle bus to Yumebutai. (departure at 9:30 @suits campus on 23rd of May and 17:00 @Yumebutai to Suita on 24th of May)

Please note that we can not support the transportation fee in case you will go to Awaji Yumebutai Individually.

The parking is available (Need to get stamp on parking ticket for free at the hotel front to tell about the FBS retreat 2019 before your leaving)

# Day 1

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# Day 2

7:00	Morning fun jogging with Dean (for those who are interested in)
7:30	Breakfast
9:00	Talk Session C "Genome"
10:05	Coffee break                      The last poster check & Voting
10:30	Panel discussion by graduate students
11:30	Lunch & Discussion
12:40	Talk Session D "Imaging"
13:55	Coffee break                      Removing poster
14:10	Talk Session E "Multicellular communication"
15:15	Break                      Voting for questionnaire award      Judgement
15:45	Awarding & Closing remarks
16:30	
17:00	Departure from Awaji Yumebutai

## **Departure (Bus Chartered)**

### **Day 1 Suita → Awaji Yumebutai**

9:30 on 23 May (The bus will depart on time!)

Please come to the area next to the Tennis court in front of BioSystems Build. of FBS ahead of time (until 9:20 at least!)

時間になったら出発します！

### **Day 2 Awaji Yumebutai → Suita**

The bus to Suita will leave at 17:00.

## **Opening / Closing**

**Opening 11:30 on 23rd May 2019**

**Closing 16:00 on 24th May 2019**

## **Poster Flash Talk (before poster session)**

Poster Flash Talk is 1min talk for the participants to talk about themselves and their research.

To speakers, please take a seat at the area close to the stage in your Flash talk session.

下記時間登壇者は登壇エリアの近くの場所で待機ください。

### **Poster Flash 1**

12:35~13:10 (Day 1) for poster number #1-24          60sec./person

### **Poster Flash 2**

14:35~15:20 (Day 1) for poster number #25-55          60sec./person

Data presented at the retreat should be treated as closed. Please do not record the talk and images of research data.
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## Poster Session

Post A0 size poster print vertically following the poster number during lunch time or coffee break at the first day.

(see the list of p.14-19)

ポスター発表者は、ランチタイムがコーヒーブレイクの時間に所定の場所にご自身のポスターを貼ってください。

### Poster Session 1

17:45~18:45 (Day 1) Introduction talk for odd numbers (奇数)

### Poster Session 2

20:00~21:00 (Day 1) Introduction talk for even numbers (偶数)

For each session, audience will be arranged to go to the certain number's poster for the initial viewing by lot.

(during the first 10-15min)

ポスター発表を聞きに行く際には、最初の 10~15 分はくじで引いた番号のポスターに行ってくださいようお願いします。

The awarding will be performed with the prize at the end of the retreat. Voting will be done at the 2nd day until 10:30 using the ballot paper in your name card.

投票は次の日の 10:30 までに投票箱へ。ネームカードの中に投票用紙が入っています。(投票権：参加者全員 / 対象者：ポスター発表者全員)

## Collaborative Proposal Competition

3 groups are registered as kick-off members.

Let's enjoy the collaborative proposal at 17:00~17:45 (Day1).

More applications are welcome after the FBS retreat 2019 until the end of June for the review and awarding.

(see the list of p.11)

## Talk Session

Participants are divided into 5 groups (4~5 people/group).  
A group leader leads the session.

The three topics below will be highly recommended to be included in each talk (10min).

- 5~10-year history of your lab
- Current hot topics in your lab
- Research direction in the next 10 years

As the closing statement of the session, the group leader is expected to discuss about the topics in near future of your research field.

Check your computer connection during the lunch time or coffee break before your talk. each talk (10min).

(Please bring the connector for your PC and cable.)

発表者は直前のブレイクタイム等に、コンピューターの接続・動作確認を。

### Awarding for Best Questioners

This award is for graduate students. The participants except for grad. students are voting members for Best Questioner. (The voting slip is included in the name card only for voting members.)

The voting timing is just after the talk session E.

ベスト質問賞は大学院生対象、投票者は大学院生以外です。投票は最後に。

Please say your name before you will start talking your questions.

上記も踏まえ、質問の際には是非、お名前を名乗ってください。

## Lunch

The bento box will be prepared. The place will be at the Lounge out side of the hall.

### Day 1 (11:30~12:35)

The seat at the table will be introduced by the organizing stuff for mixing participants.

### Day 2 (11:30~12:40)

Group lunch will be performed following the discussion topic for every table (see the list of p.11). Discussion will be performed in Japanese depends on members on your table.

テーブルメンバーによっては日本語で大丈夫です。



## **Accommodation**

Roommates will be arranged by the organizer randomly.  
Check-in time is at the Coffee break (16:35~).

## **Group Photo (just before dinner)**

Get together at the area of lounge just before dinner.

## **Dinner**

Buffet Style with poster discussion around the Lunch area. You can order any drink (free order system). More drinks and snacks will be prepared for the night session.

## **Free discussion (for those who are interested in)**

You can stay the lounge area until 22:30 after Poster session. The main rooms for free discussion are at Tatami room 304 and 305 on the 3F of Westin hotel. No limitation of time to stay there. Drink and snacks are served at the both places.

2次会場はホテル和室上記2ヶ所。ラウンジにも22:30まで滞在可です。

## **Morning fun jogging with Dean (for those who are interested in)**

Let's enjoy fresh air together. Come to the entrance of Westin hotel 1F(at the same floor of the bus stop) at 7:00

ホテルの一階エントランス。ロビー階の下の階。バス停があるところ。

## **Breakfast**

The restaurant for the breakfast (Buffet Style) will start from 7:30 at COCCOLALE

## **Check-out**

Please return the card key to the hotel front until 11:00. Bring your luggage to the hall before the first session or during the first coffee break (10:05~11:00).

Please pay ¥4860 at the front desk for your check-out in case you use the single room.

## Talk Session - Day 1

### A "Cellular network" 13:10~14:15

Hisakazu KATO (TAKASHIMA Lab.) 加藤 久和 (高島研)

Medical Biochemistry: biochemical approach to diseases for new drug discovery  
創薬を目指した疾患の生化学研究

Koji OKAMOTO (OKAMOTO Lab.) 岡本 浩二 (岡本研) <sup>SL</sup>

Mechanisms underlying mitochondrial quality and quantity control  
ミトコンドリアの質・量管理機構

Gota YOSHIDA (YOSHIMORI Lab.) 吉田 豪太 (吉森研)

The role of Rubicon in vivo  
生体内の Rubicon の役割

Yasuhiro HIRANO (HIRAOKA Lab.) 平野 泰弘 (平岡研)

Nucleus regulates genomic functions  
細胞核によるゲノム機能制御

### B "Brain function & Recognition" 15:20~16:35

Takashi KITSUKAWA (YAGI Lab.) 木津川 尚史 (八木研)

Rhythms in Motion, Rhythms in Brain  
運動のリズム 脳のリズム

Kensuke SASAKI (YAMAMOTO Lab.) 佐々木 健介 (山本研)

Nature & Nurture in Neural Circuit Formation  
神経回路形成の Nature & Nurture

Izumi OHZAWA (OHZAWA Lab.) 大澤 五住 (大澤研)

Systems Analysis of the Visual System at Neuron Level  
視覚系の細胞レベルのシステム解析

Ichiro FUJITA (FUJITA Lab.) 藤田 一郎 (藤田研)

Architecture for visual processing in primate brain  
霊長類大脳皮質における視覚情報処理と機能構築

Shigeru KITAZAWA (KITAZAWA Lab.) 北澤 茂 (北澤研) <sup>SL</sup>

Neural bases for time and space perception  
時間・空間認知の神経基盤

## Collaborative Proposal Competition

17:00~17:45

Shinpei YAMAGUCHI (NAKANO Lab.) & Etsuko TARUSAWA (YAGI Lab.)  
Unveiling the molecular mechanism of long-term effects of maternal care on Dopamine neuron circuit formation.

Yasuhiro HIRANO (HIRAOKA Lab.) & Toshie KAI (KAI Lab.)  
Exploring a role(s) of nuclear envelope in ping-pong cycle for piRNA biogenesis

Taichiro IKI (KAI Lab.) & Fumiaki MAKINO (FUKAGAWA/NAMBA Lab.)  
AI-based Screening to Identify Small RNA Binding Proteins Regulating Non-cell-autonomous Gene Silencing

## Talk Session - Day 2

C "Genome" 9:00~10:05

Tetsuya HORI (FUKAGAWA Lab.) 堀 哲也 (深川研)

Studies on vertebrate centromere and chromosome segregation  
セントロメアと染色体分配の研究

Shinpei YAMAGUCHI (NAKANO Lab.) 山口 新平 (仲野研)

Epigenetic reprogramming during early embryo and germ cell development  
初期胚と始原生殖細胞におけるエピゲノム・リプログラミング

Shingo MIYAWAKI (TACHIBANA Lab.) 宮脇 慎吾 (立花研)

Role of maternal diet and nutritional status on mammalian sex determination.  
哺乳類の性決定における母体および胎仔の栄養・代謝の役割

Taichiro IKI (KAI Lab.) 井木 太一郎 (甲斐研) <sup>SL</sup>

Dissecting Reproduction and Gene Regulation Using *Drosophila melanogaster*  
ショウジョウバエから生殖と遺伝子制御に挑む

## Panel discussion by graduate students

(performed in Japanese)

10:30~11:30

Tomoko YAMAGUCHI (D3), Mashun ONISHI (D5)  
Prof. Toshie KAI & Prof. Shigeru KONDO

The real life of Ph.D. students and future –to get more fulfilling research life for grad. students–

博士学生の現状と未来に向けて –より充実した研究生活を送れるように–

## Talk Session - Day 2

### D "Imaging" 12:40~13:55

**Hiroshi WATANABE** (KIMURA Lab.) 渡邊 浩 (木村研)

Time-resolve THz spectroscopy in photocatalyst  
超高速時間分解 THz 分光を用いた光触媒反応の研究

**Satomi MATSUOKA** (UEDA Lab.) 松岡 里実 (上田研) <sup>SL</sup>

Single Molecule Biology of the Cell  
細胞の 1 分子生物学

**Fumiaki MAKINO** (NAMBA Lab.) 牧野 文信 (難波研)

The state-of-the-art structures of the bacterial flagellar motor by CryoEM  
クライオ電子顕微鏡によるバクテリアべん毛モーターの最新の構造  
~うわっ…こんなに見えちゃってて、いいの…?~

**Yasushi INOUE** (INOUE Lab.) 井上 康志 (井上研)

Photonics for nanoscience and biology  
ナノとバイオを探るフォトニクス技術

**Junichi KIKUTA** (ISHII Lab.) 菊田 順一 (石井研)

Intravital imaging study sheds light on the fundamental mechanisms controlling cellular dynamics  
ライブイメージング研究で解き明かす生体内細胞ダイナミクス

### E "Multicellular communication" 15:15~15:45

**Hiroshi SASAKI** (SASAKI Lab.) 佐々木 洋 (佐々木研)

Intercellular communications support correct development  
正確な発生を支える細胞間コミュニケーション

**Misaki SAKASHITA** (KONDO Lab.) 坂下 美咲 (近藤研)

Pattern Formation in 2D/3D  
2次元・3次元のパターン形成

**Satoshi KONISHI** (TSUKITA Lab.) 小西 聡史 (月田研) <sup>SL</sup>

High-resolution live-cell imaging analysis toward the formative process of coordinated airway ciliary beating  
高分解能ライブセルイメージングによる気道多繊毛協調運動構築原理の解明

**Takashi NAGASAWA** (NAGASAWA Lab.) 長澤 丘司 (長澤研)

Microenvironmental niches for hematopoietic stem cells and lymphohematopoiesis  
造血幹細胞と造血を維持する微小環境 (ニッチ)

SL: Session Leader

## Lunch & Discussion

- A The ability that Ph.D. Student has to acquire**  
博士を取得し、社会に博士取得者として出ていくまでに習得すべき能力  
Tsunenori OUCHIDA (UEDA Lab.) 大内田 経徳 (上田研)
- B Screwups and failar stories when you were a Post-doc**  
PI のポストク時の失敗話や挫折経験  
Yota HAGIHARA (NAKANO Lab.) 萩原 遥太 (仲野研)
- C Who is your science superstar?**  
憧れる / 憧れた研究者っていますか？  
Mariko ARIYOSHI (FUKAGAWA Lab.) 有吉 真理子 (深川研)
- D Let's talk about your dream, vision and something precious as a researcher.**  
研究者としての夢、哲学、大事にしていること語り合いませんか？  
Erika YAMASHITA (ISHII Lab.) 山下 英里華 (石井研)
- E How to keep your motivation for research or anything else**  
モチベーション (研究でも研究以外でも) どうやったら上がるか？  
Yuki UYAMA (TAKASHIMA Lab.) 宇山 侑希 (高島研)
- F How to communicate the essence of your interesting research**  
研究の面白さを伝えるには  
Hiroki OISHI (YANAGIDA Lab.) 大石 浩輝 (柳田研)
- G A discovery that you found in recent days**  
最近見つけた、面白い発見  
What do you think about the direction of basic reserch in future?  
これからの基礎研究はどういう方向に向かってゆくべきか  
Keiichi NAMBA (NAMBA Lab.) 難波 啓一 (難波研)
- H Let's talk with Prof. Yagi!**  
やぎさんと話しませんか？  
Takeshi YAGI (YAGI Lab.) 八木 健 (八木研)
- I Let's discuss more about the topic done in the session" the real life of Ph.D. students and future"**  
院生セッションの続き、博士の現状と未来に向けてを話そう  
Tomoko YAMAGUCHI (NAMBA Lab.) 山口 智子 (難波研)  
Mashun ONISHI (NAMBA Lab.) 大西 真駿 (岡本研)
- J Thinking about your next position/career**  
次のポジション・キャリアを考える  
Masatoshi HARA (FUKAGAWA Lab.) 原 昌稔 (深川研)

## Poster List

- 1 Bioelectrical signal regulates organ size**  
膜電位を介した器官サイズスケールリング機構  
Toshihiro ARAMAKI (KONDO Lab.) 荒巻 敏寛 (近藤研)
- 2 Structural basis for recognition of centromeric nucleosome by kinetochore proteins**  
キネトコアタンパク質によるセントロメア認識の構造基盤  
Mariko ARIYOSHI (FUKAGAWA Lab.) 有吉 真理子 (深川研)
- 3 Domain analysis of chicken CENP-A using in vitro reconstitution**  
インビトロ再構成系を用いたニワトリ CENP-A のドメイン解析  
Jinghui CAO (FUKAGAWA Lab.)
- 4 Cytoskeleton Self-organization Simulations of Airway Multi-Ciliated Cells using Active Hydrodynamics in a Hexagonal Cell with Boundary Conditions**  
境界条件を有する六角形細胞におけるアクティブ流体力学を用いた細胞骨格自己組織化シミュレーション  
Fermin FRANCO MEDRANO (TSUKITA Lab.)
- 5 Single molecule analysis of DNA origami-myosin II motor hybrid system.**  
DNA オリガミ - ミオシンIIモーター混合システムの 1 分子解析  
Hiroki FUKUNAGA (YANAGIDA Lab.) 福永 裕樹 (柳田研)
- 6 The role of neuronal gene Isl2 in mouse PGC development**  
神経関連遺伝子 Isl2 のマウス始原生殖細胞における役割  
Yota HAGIHARA (NAKANO Lab.) 萩原 遥太 (仲野研)
- 7 Revisiting centromere protein interaction network in cell cycle and life cycle**  
セントロメアタンパク質結合ネットワークの再考  
Masatoshi HARA (FUKAGAWA Lab.) 原 昌稔 (深川研)
- 8 Application of GCaMP imaging in macaques**  
マカカ属サルにおける GCaMP イメージングの適用  
Gaku HATANAKA (FUJITA Lab.) 畑中 岳 (藤田研)
- 9 Labeling of neurons derived from direct and indirect neurogenesis**  
直接・間接分化をする大脳皮質神経細胞の標識  
Yumiko HATANAKA (YAMAMOTO Lab.) 畠中 由美子 (山本研)
- 10 ATP-dependent cell fate determination in Dictyostelium discoideum**  
細胞性粘菌の分化運命は細胞内 ATP 濃度に依存する  
Haruka HIRAOKA (HIRAOKA Lab.) 平岡 陽花 (平岡研)

- 11 To reveal the homophilic interaction of clustered protocadherin in neurons using live cell imaging**  
ライブセルイメージングを用いた神経細胞でのクラスター型プロトカドヘリンのホモフィリックな相互作用の解析  
Natsumi HOSHINO (YAGI Lab.) 星野 七海 (八木研)
- 12 Hierarchical assembly of the centriole/basal body appendage proteins**  
中心体機能制御基盤としてのアペンデージ構造の役割  
Hiroka KASHIHARA (TSUKITA Lab.) 柏原 宏香 (月田研)
- 13 Are you interested in "Next Generation Sequencing" ?**  
次世代シーケンス解析を楽しもう！  
Shinichi KAWAGUCHI (KAI Lab.) 河口 真一 (甲斐研)
- 14 Clustered protocadherin gamma is required for the formation of newly identified local neural networks in the mouse visual**  
マウス大脳皮質視覚野において新たに同定された局所神経回路形成には cPcdh  $\gamma$ が必要である  
Nanami KAWAMURA (YAGI Lab.) 河村 菜々実 (八木研)
- 15 Proteins localized at the ER-mitochondria contact sites are degraded via autophagy-related pathways**  
小胞体-ミトコンドリア接触部位タンパク質はオートファジー関連経路を介して分解される  
Toshiaki KISHIDA (OKAMOTO Lab.) 岸田 捷暉 (岡本研)
- 16 Relation between cPcdh isoform repertoires and the spontaneous activity patterns of cultured neuronal networks.**  
クラスター型プロトカドヘリンのレパートリーと神経活動パターンとの関係  
Hiroaki KOBAYASHI (YAGI Lab.) 小林 裕明 (八木研)
- 17 Role of Histone H3K9 demethylase in male germ cell development**  
ヒストン H3K9 脱メチル化酵素による雄性生殖細胞の発生制御  
Shunsuke KUROKI (TACHIBANA Lab.) 黒木 俊介 (立花研)
- 18 piRNA dynamics in Drosophila melanogaster testes - a case of CG9925**  
Xenia LIM LIN (KAI Lab.)
- 19 Role of Tejas in piRNA biogenesis**  
Yuxuan LIN (KAI Lab.) 林 宇軒 (甲斐研)
- 20 The TORC1 signaling pathway regulates respiration-induced mitophagy in yeast**  
TORC1 シグナル伝達経路は酵母の呼吸誘導型マイトファジーを制御する  
Yang LIU (OKAMOTO Lab.)

## Poster List

### 21 In vitro reconstitution system for cellular polarity

細胞内極性再構成の in vitro 実験系の構築

Hitomi MATSUBARA (UEDA Lab.) 松原 瞳 (上田研)

### 22 The Effects of Immune Cells on Neural Stem Cells in Spinal Cord Injury

脊髄損傷病態における免疫細胞の幹細胞に与える影響

Hisao MIYAJIMA (YAMASHITA Lab.) 宮嶋 久雄 (山下研)

### 23 Regulation of BDNF promoter activity by patterned neuronal firing in developing cortical neurons

発達期大脳皮質ニューロンにおける BDNF のプロモーター活性を制御する発火活動パターン

Yumi MIYASAKA (YAMAMOTO Lab.) 宮阪 優美 (山本研)

### 24 Why does arm crossing cause reversal of subjective temporal order? -In search of neural dynamics-

なぜ手を交差すると主観的時間順序が逆転するのか? -神経ダイナミクスの探索-

Ali MOHARRAMIPOUR (KITAZAWA Lab.)

### 25 Arrangement of collagen fibers determines the fin bone structure in Zebrafish

槍状コラーゲン結晶体の配向が誘導するヒレ骨のかたち

Hibiki NAKAGAWA (KONDO Lab.) 中川 日々紀 (近藤研)

### 26 Development of a system to generate special-purpose processors for deep stochastic computing

深層確率コンピューティング向けチップジェネレータ開発

Keigo NISHIDA (TAIJI Lab.) 西田 圭吾 (泰地研)

### 27 3D structural analysis of centromere region in vertebrate nuclei

三次元ゲノム構造解析による核内セントロメア構造分子基盤とその役割の解明

Kohei NISHIMURA (FUKAGAWA Lab.) 西村 浩平 (深川研)

### 28 Identifying Intuitive and Reflective Social Decision Processes

社会的意思決定における「直感」と「熟慮」

Shotaro NUMANO (HARUNO Lab.) 沼野 正太郎 (春野研)

### 29 What we can observe in Photo-physics Laboratory? -Extreme functionalities of materials studied by photons-

木村研では何を見ているのか? -光で探る物質の極限機能-

Yoshiyuki OHTSUBO (KIMURA Lab.) 大坪 嘉之 (木村研)

### 30 The application of structural MRI to vision science

構造 MRI を用いた視覚研究

Hiroki OISHI (AMANO Lab.) 大石 浩輝 (柳田研)



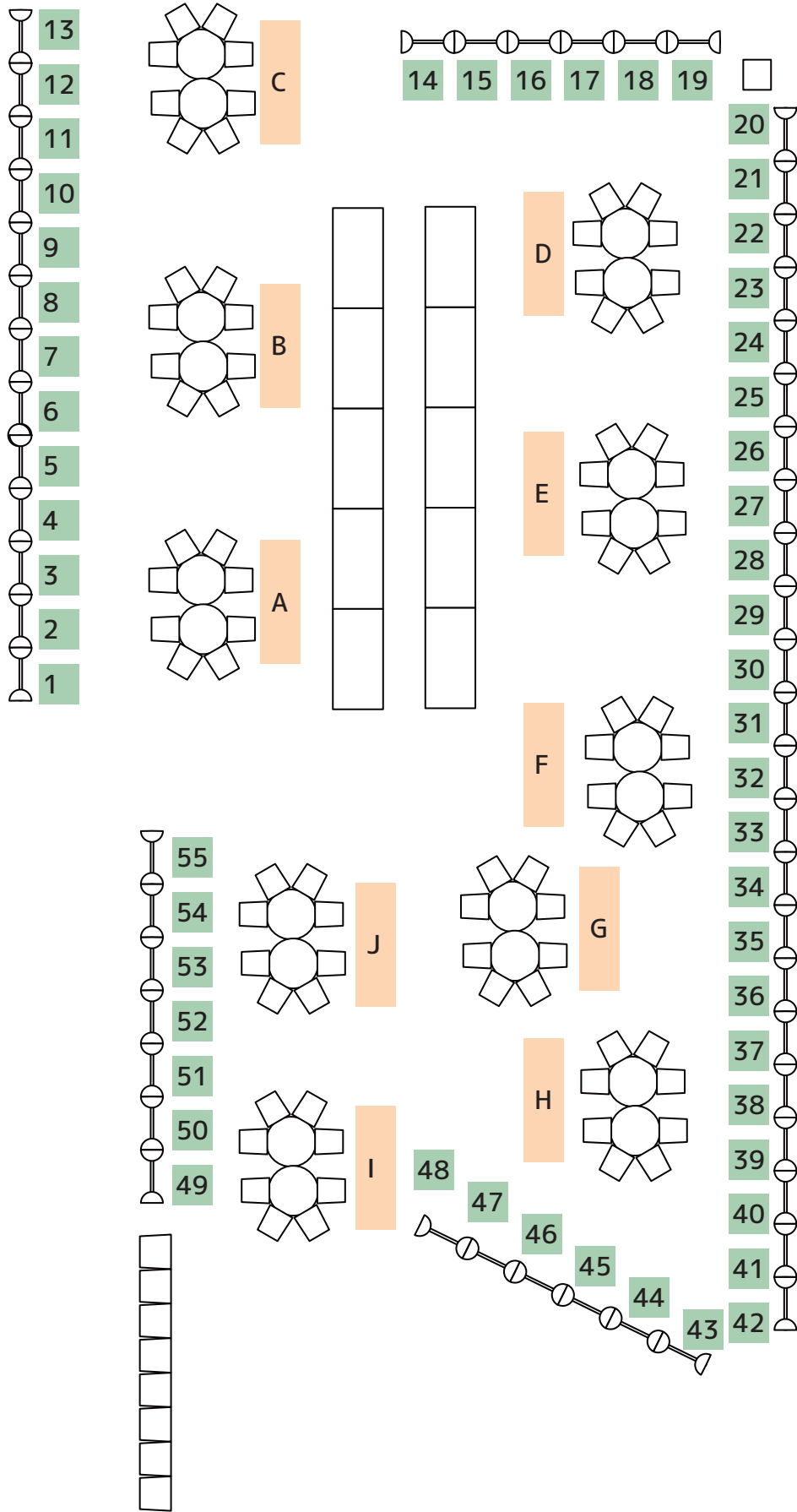
- 31 TET2 plays a pivotal role in active DNA demethylation of Sry promoter.**  
TET2による能動的DNA脱メチル化を介したSry発現制御  
Naoki OKASHITA (TACHIBANA Lab.) 岡下 修己 (立花研)
- 32 Regulation of mitochondria-specific autophagy via an ER membrane protein biogenesis pathway**  
小胞体膜タンパク質合成経路によるミトコンドリア特異的オートファジーの制御  
Mashun ONISHI (OKAMOTO Lab.) 大西 真駿 (岡本研)
- 33 Development of a method for single-molecule analysis of lectins**  
糖鎖 - レクチン1分子イメージング測定法の開発  
Tsunenori OUCHIDA (UEDA Lab.) 大内田 経徳 (上田研)
- 34 Mathematical modeling of the formation of fish vertebrae**  
魚類椎骨の形態形成の数値モデル化  
Misaki SAKASHITA (KONDO Lab.) 坂下 美咲 (近藤研)
- 35 Higher order chromosomal structure established by meiotic cohesin**  
減数分裂期コヒーシンを介した染色体高次構造形成機構の解析  
Takeshi SAKUNO (HIRAOKA Lab.) 作野 剛士 (平岡研)
- 36 Music Improvisation is Characterized by Increased Beta Band EEG**  
Masaru SASAKI (NAITO Lab.) 佐々木 大 (内藤研)
- 37 Establishment of novel reporter mouse for imprinting study of dopaminergic neurons**  
ドーパミンニューロンにおけるインプリンティング研究のための新規レポーターマウスの樹立  
Kit Yeng SHENG (NAKANO Lab.)
- 38 Analysis of PTEN and PIP3 localization on the cell membrane**  
細胞膜とPTENおよびPIP3局在の関連解析  
Dayoung SHIN (UEDA Lab.)
- 39 DNA polymerase  $\beta$  is required for neuronal differentiation via active DNA demethylation**  
脳の発生発達におけるDNA脱メチル化を介したDNAポリメラーゼ $\beta$ の役割  
Noriyuki SUGO (YAGI Lab.) 菅生 紀之 (八木研)
- 40 Microbes control fly oogenesis**  
Ritsuko SUYAMA (KAI Lab.) 須山 律子 (甲斐研)

## Poster List

- 41 Analysis of S1P receptors mobility on the plasma membrane by single-molecule imaging**  
1 分子計測を用いた S1P 受容体の細胞膜上での動態の解析  
Miri TAKAYAMA (UEDA Lab.) 高山 美里 (上田研)
- 42 Comprehensive Diffusion Analysis of Membrane Proteins in Living Dictyostelium Cells**  
細胞性粘菌の生きた細胞での膜タンパク質の拡散の網羅的解析  
Kazutoshi TAKEBAYASHI (UEDA Lab.) 竹林 和俊 (上田研)
- 43 Regulatory mechanisms of centromere localization of Mis12 complex and its roles in chromosome segregation**  
Mis12 複合体のセントロメア局在を制御する分子機構とその役割  
Yunosuke TAKENOSHITA (FUKAGAWA Lab.) 竹之下 憂祐 (深川研)
- 44 A map of time in the medial cerebral cortex: a cross-linguistic fMRI study with speech stimuli**  
内側大脳皮質の時間地図：音声言語刺激を用いた多言語 fMRI 研究  
Long TANG (KITAZAWA Lab.) 唐 璿 (北澤研)
- 45 Clustered protocadherins regulated high reciprocal connectivity between clonal cortical neurons are selectively modified by short sensory deprivation in mouse barrel cortex**  
クラスター型プロトカドヘリンに依存した大脳皮質クローン細胞間の双方向性結合形成は感覚体験により規定される  
Etsuko TARUSAWA (YAGI Lab.) 足澤 悦子 (八木研)
- 46 Functional analysis of the transcription factor Rax in Muller glial cells in the mouse retina**  
マウス網膜のミュラーグリア細胞における転写因子 Rax の機能解析  
Akiko UENO (FURUKAWA Lab.) 上野 明希子 (古川研)
- 47 The gap junction network among pigment cells for zebrafish skin pattern formation.**  
ゼブラフィッシュの模様形成に関わる色素細胞間のギャップジャンクションネットワークについて  
Yu USUI (KONDO Lab.) 臼居 優 (近藤研)
- 48 Investigation of the function of cardiac Myosin Light Chain Kinase activity**  
心臓特異的ミオシン軽鎖キナーゼの機能解明  
Yuki UYAMA (TAKASHIMA Lab.) 宇山 侑希 (高島研)
- 49 Clustered protocadherin in the brain**  
脳におけるクラスター型プロトカドヘリン  
Takeshi YAGI (YAGI Lab.) 八木 健 (八木研)

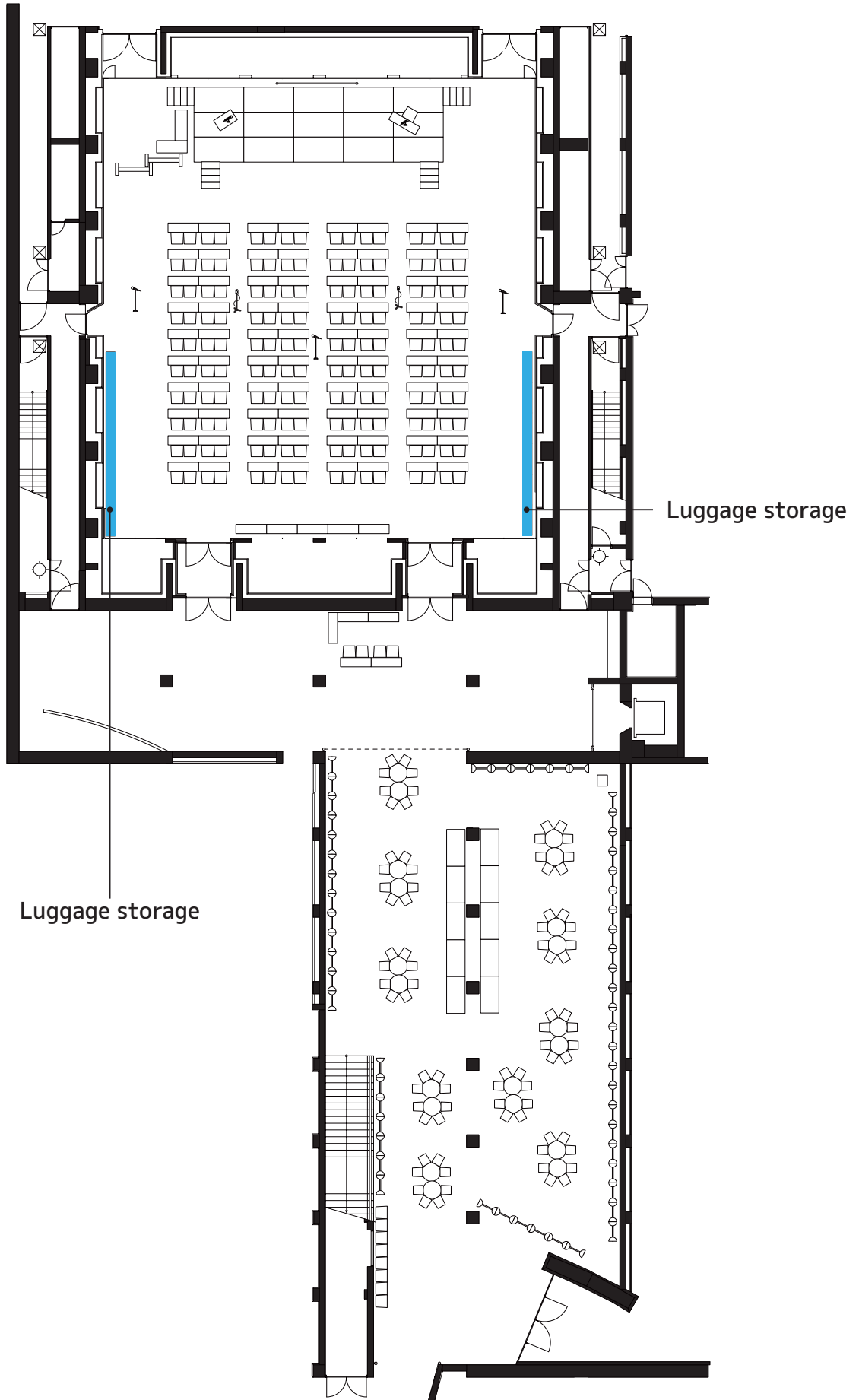
- 50 The bearing of bacterial flagellar mortar analyzed by cryoEM**  
クライオ電子顕微鏡で見えてきた！バクテリアべん毛モーター軸受けの構造  
Tomoko YAMAGUCHI (NAMBA Lab.) 山口 智子 (難波研)
- 51 Functional and evolutionary divergence of Otx2 and Crx in the vertebrate retina**  
脊椎動物の網膜における転写因子 Otx2 と Crx の機能解析および進化解析  
Haruka YAMAMOTO (FURUKAWA Lab.) 山本 悠 (古川研)
- 52 Rubicon prevents excess autophagy in mature adipocytes to ensure metabolic homeostasis**  
Rubicon は脂肪細胞でのオートファジー過剰を防ぐことで代謝恒常性を維持する  
Tadashi YAMAMURO (YOSHIMORI Lab.) 山室 禎 (吉森研)
- 53 Intravital bone imaging revealing dynamic anti-tumor immune responses against leukemic cells within bone marrow cavity in situ**  
生体骨髄イメージングを用いた骨髄内の白血病細胞に対する免疫応答の動的解析  
Erika YAMASHITA (ISHII Lab.) 山下 英里華 (石井研)
- 54 Autophagy facilitate bone formation function in osteoblast cells**  
オートファジーは骨芽細胞の造骨機能を亢進させる  
Gota YOSHIDA (YOSHIMORI Lab.) 吉田 豪太 (吉森研)
- 55 PI(4,5)P2-mediated positive feedback accumulates PTEN on the cell membrane and reinforces directed cell migration**  
PI(4,5)P2 を介したポジティブフィードバックは細胞膜上に PTEN を蓄積し、細胞運動の指向性を強化する  
Daisuke YOSHIOKA (UEDA Lab.) 好岡 大輔 (上田研)

# Poster Session / Lunch & Discussion @ Lobby

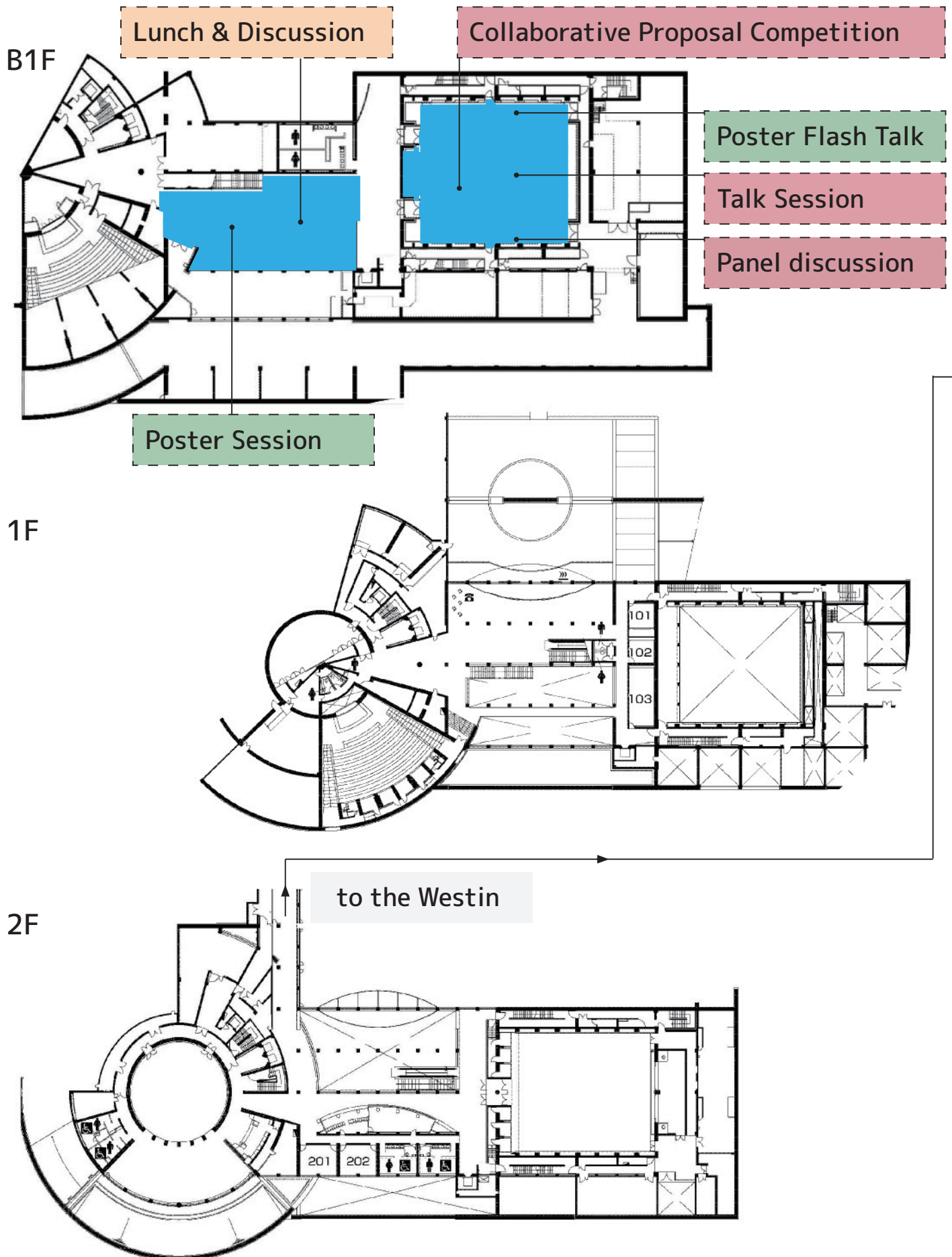


1~55: Poster panel  
A~J: Lunch & Discussion table

# Event Hall & Lobby

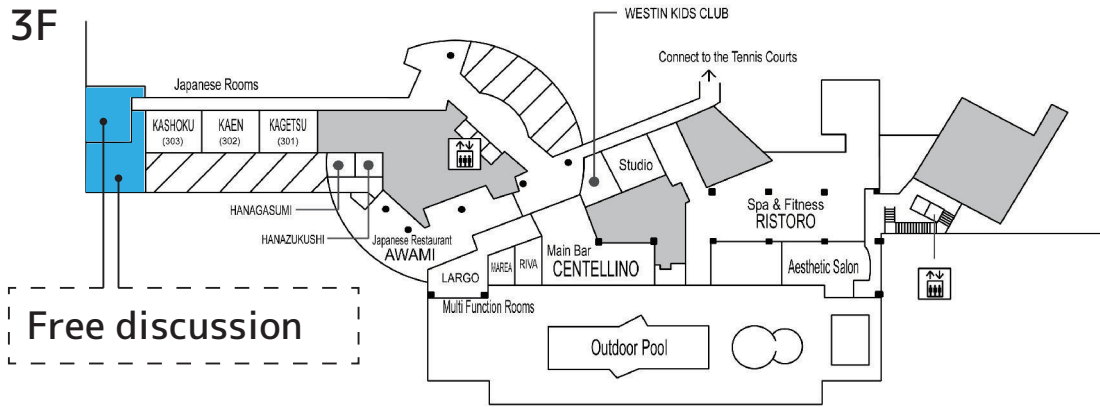


# International Conference Conference Center

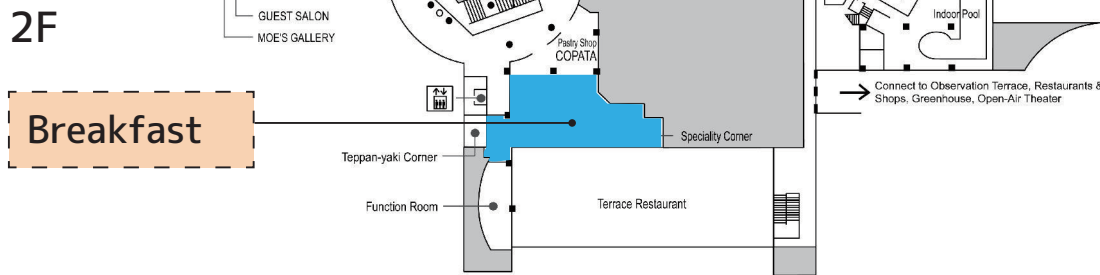


# Hotel

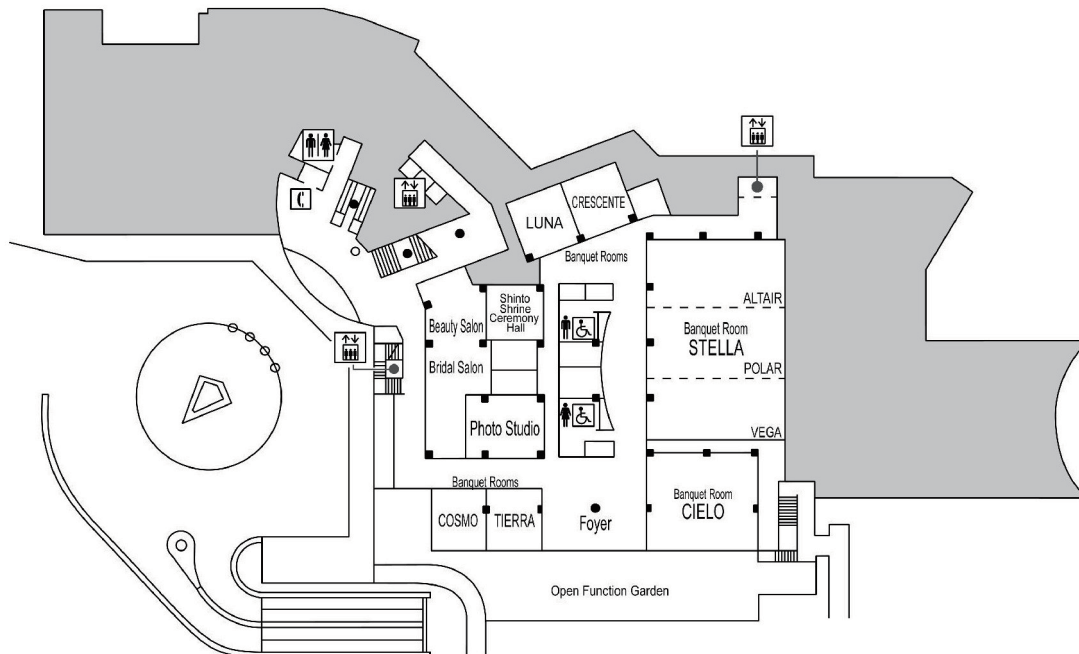
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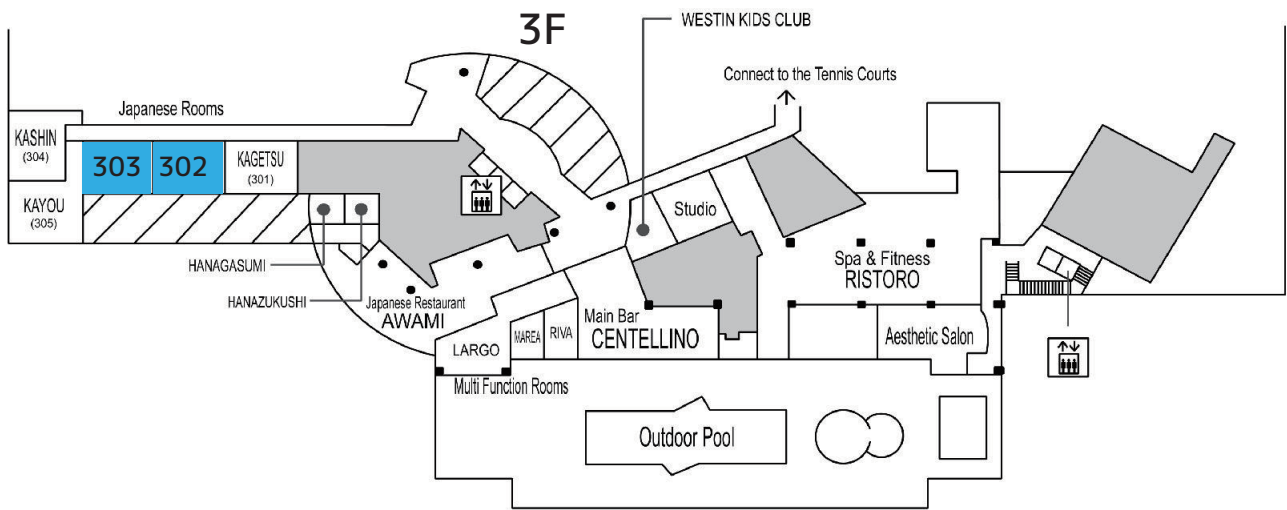
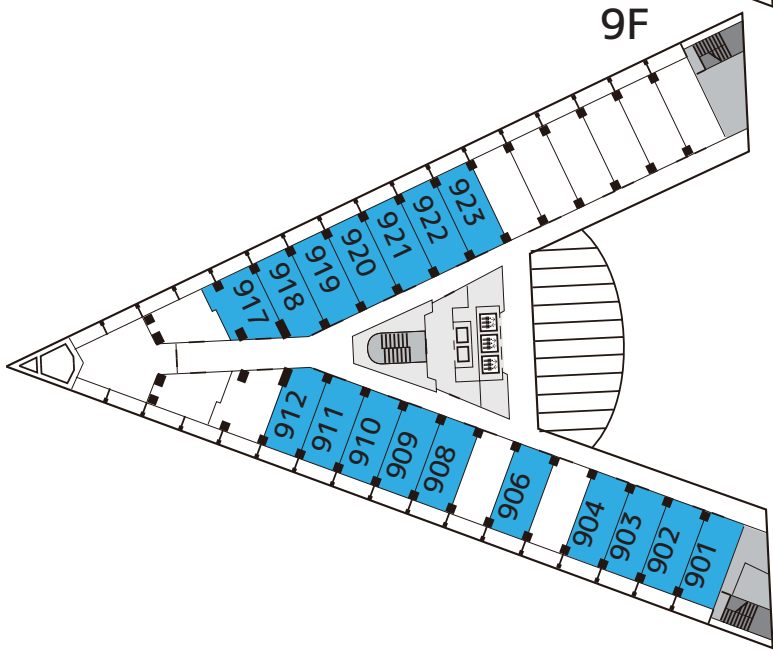
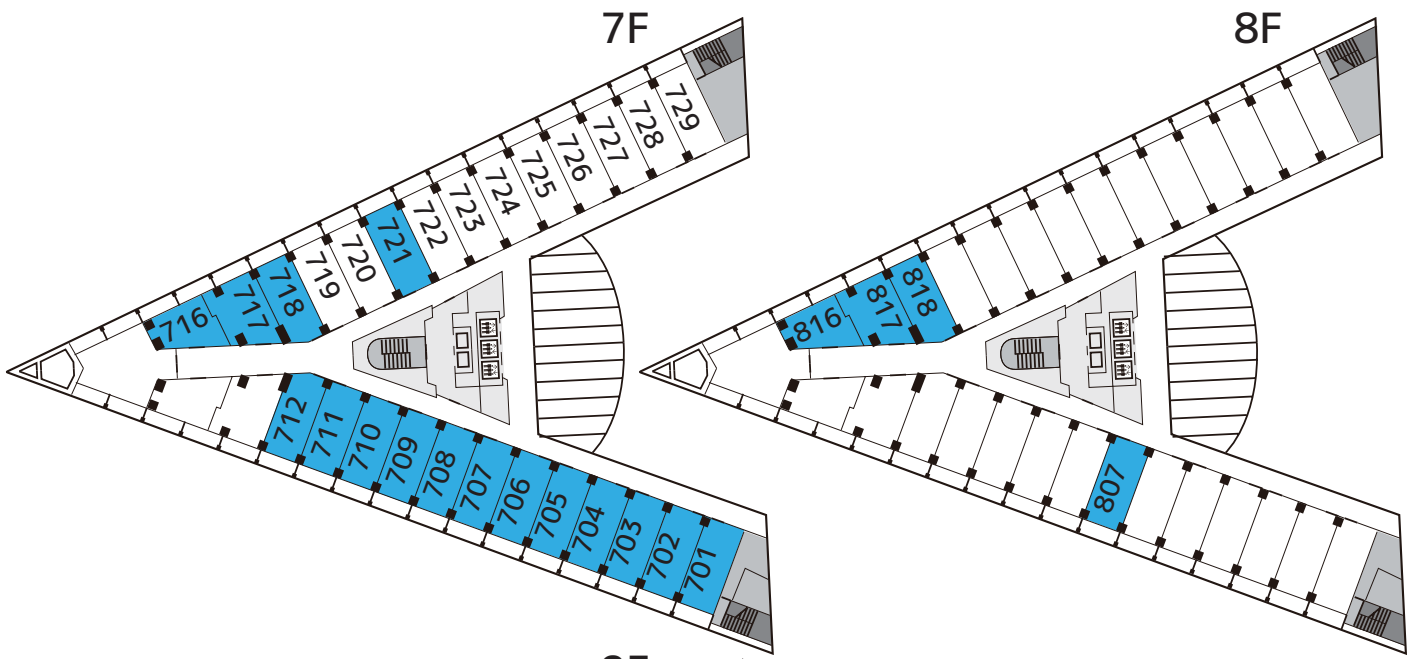
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1F



Wi-Fi is available at the event hall, a lobby and the Westin Hotel.





## Planning Team

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