

20260227-V11

16 /March /2026 (Monday)	
Time	Program
15:00-18:00	Registration
18:00-21:00	Conference Welcome Dinner (I: The Garden Restaurant)
17 /March /2026 (Tuesday)	
Time	Program
08:30-08:50	Registration
08:50-09:00	Opening (F: Avignon)
Session 1 Chair: <i>Teuta Pilizota</i>	
09:00-09:45	Keynote Talk <i>Richard Berry</i> Ultra-high-resolution single-molecule recording of a new type of rotary molecular motor
09:45-10:15	Invited talk <i>Keiichi Namba</i> Brownian motion plays a key role in high-speed rotation of the bacterial flagellar motor at low load
10:15-10:30	<i>Shintaroh Kubo</i> Theoretical Insights into Rotary Mechanism of MotAB
10:30-10:45	Tea break
Session 2 Chair: <i>Yoshiyuki Sowa</i>	
10:45-11:15	Invited talk <i>Ashley Nord</i> Optical tweezers measurements of bacterial flagellar motor dynamics
11:15-11:30	<i>Francesco Pedaci</i> Probing spatio-temporal electrochemical dynamics on single bacterial cells
11:30-12:00	<i>Chien-Jung Lo</i> Dyadic transformation dynamics govern the spatiotemporal distribution of bacterial motors

12:00-12:15	Poster talk (Poster-01 to Poster-13)
12:15-13:30	Lunch (F: Avignon)
13:30-14:30	Poster Presentation - Odd numbers (F: Avignon)
Session 3 Chair: Ashley Nord	
14:30-15:00	Invited talk <i>Teuta Pilizota</i> Nonlinear dependency of the bacterial flagellar motor speed on proton motive force and its consequences for swimming
15:00-15:30	<i>Shuichi Nakamura</i> Direct observation of in-phase rotational synchronization in bacterial flagella
15:30-15:45	<i>Yoshiyuki Sowa</i> FliL modulates torque-speed relationship of the <i>E. coli</i> flagellar motor
15:45-16:00	<i>Yen Chiu</i> Intra-strain cooperation shaped by morphological diversity in bacterial swarming
16:00-16:15	Tea Break
Session 4 Chair: Yonggun Jun	
16:15-16:45	Invited talk <i>Chia-Lung Hsieh</i> Label-free nanoscale imaging of living cells by iSCAT microscopy
16:45-17:15	<i>Daisuke Nakane</i> Body-wrapping front flagella drive ultrafast swimming in bacterial zoospores
17:15-17:30	<i>Naoki Uemura</i> Flagellar wrapping mediates viscosity-dependent motility in <i>Helicobacter</i>
18:30-20:30	Dinner (F: Avignon)
21:00-23:00	Enjoy the Club/Spa

18 /March /2026 (Wednesday)	
Time	Program
08:30-09:00	Registration
Session 5 Chair: Katsumi Imada	
09:00-09:45	Keynote Talk <i>Jun Liu</i> Flagellar sliding-rotating dynamics and membrane remodeling in <i>Vibrio cholerae</i>
09:45-10:15	Invited talk <i>Akio Kitao</i> Spatiotemporal dynamics of bacterial flagella investigated by all-atom molecular dynamics simulations
10:15-10:45	Invited talk <i>Marc Erhardt</i> A tale of a tail: assembly and function of the bacterial flagellum
10:45-11:00	Tea break
Session 6 Chair: Tohru Minamino	
11:00-11:30	Invited talk <i>Yongqun Zhu</i> Assembly and torque transmission of the bacterial flagellar motors
11:30-11:45	<i>Ririka Iida</i> Mechanism of non-proteinogenic amino acids recognition by a chemoreceptor Mlp24 in <i>Vibrio Cholerae</i>
11:45-12:00	<i>Ikuro Kawagishi</i> Crosstalk from the stress-sensing histidine kinase BaeS to the flagellar motor regulator CheY
12:00-13:30	Lunch (F: Avignon)
13:30-14:30	Poster Presentation - Even numbers (F: Avignon)
Session 7 Chair: Shuichi Nakamura	

14:30-15:00	<p style="text-align: center;">Invited talk <i>Matthew Baker</i></p> <p style="text-align: center;">Ask the ancestors: Looking back in time to try and build new molecular motors.</p>
15:00-15:15	<p style="text-align: center;"><i>Ryota IINO</i></p> <p style="text-align: center;">Energy conversion mechanism of an ATP-driven rotary ion pump <i>Enterococcus hirae</i> V-ATPase</p>
15:15-15:45	<p style="text-align: center;"><i>Seiji Kojima</i></p> <p style="text-align: center;">Functional and biochemical analyses of lateral flagellar stator complex in <i>Vibrio alginolyticus</i></p>
15:45-16:00	<p style="text-align: center;"><i>Yusuke V. Morimoto</i></p> <p style="text-align: center;">Fluorescent Detection of Membrane Potential Sensing in Flagellar Type III Export Apparatus</p>
16:00-16:15	Tea break
<p>Session 8 Chair: <i>Matthew Baker</i></p>	
16:15-16:45	<p style="text-align: center;">Invited talk <i>Katsumi Imada</i></p> <p style="text-align: center;">The Ion Pathway and the Mechanism of Ion Selectivity of the Na⁺-driven Flagellar Stator</p>
16:45-17:00	<p style="text-align: center;"><i>Duy Tran</i></p> <p style="text-align: center;">Molecular mechanism in ion permeation of bacterial flagellar motor stators</p>
17:00-17:30	<p style="text-align: center;">Invited talk <i>Nicholas Taylor</i></p> <p style="text-align: center;">Exploring flagellotropic phage mechanisms</p>
17:30-17:45	<p style="text-align: center;"><i>Eli Cohen</i></p> <p style="text-align: center;">CryoET and Fluorescence Microscopy Reveal the Mechanism of Flagellar Filament Binding and Translocation to the Cell Surface by the Flagellotropic Bacteriophage Chi</p>
18:30-20:30	<p>Dinner (F: Avignon)</p>
21:00-23:00	<p>Bar time (E: Cheers Bar)</p>

19 /March /2026 (Thursday)

Time

Program

Session 9
Chair: Seiji Kojima

09:00-
09:45

Keynote Talk
Tohru Minamino
Structural basis of substrate specificity switching of the *Salmonella* flagellar type III secretion system

09:45-
10:00

Li-Kang Sung
Co-option of a degenerated polysaccharide transporter for type VI protein secretion across diverse α -Proteobacteria

10:00-
10:30

Hajime Fukuoka
Analysis of CheB dynamics during repellent response in *E. coli* cells by high throughput imaging

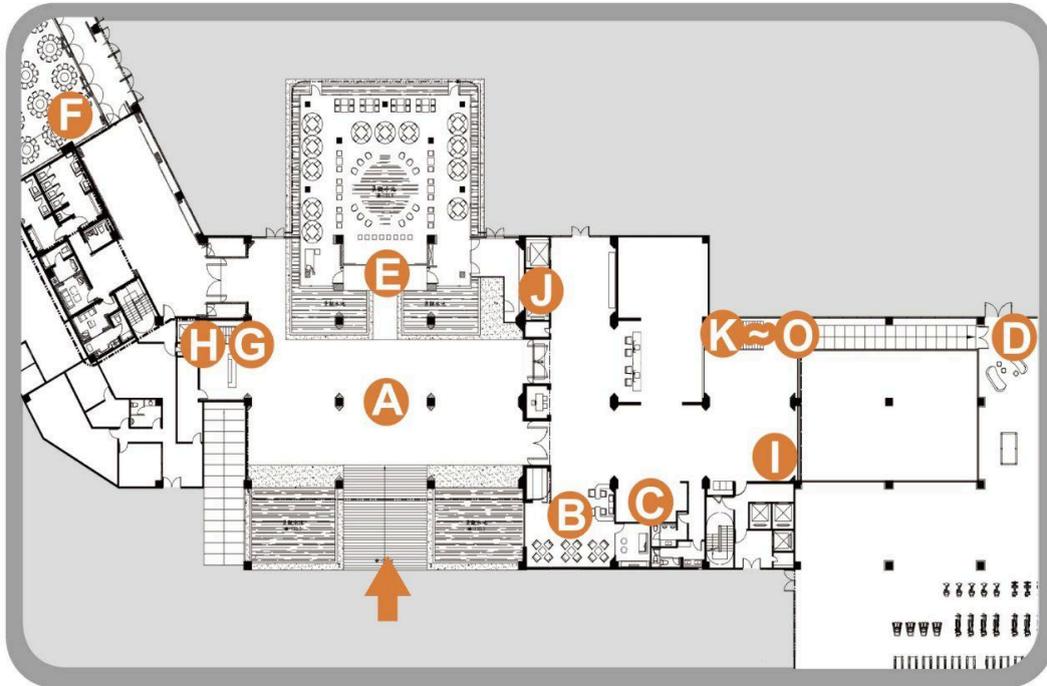
10:30-
10:45

Closing
(F: Avignon)

10:45-
11:30

Tea break

Poster	
Poster-01	<i>Akihiko Ishijima</i> Correlation of CheY-P concentration and motor behavior during attractant adaptation in a single <i>E. coli</i> cell
Poster-02	<i>Kenta Takemori</i> Study on the role of second-scale fluctuations in the bacterial flagellar motor
Poster-03	<i>Miki Kinoshita</i> Cryo-EM structure of the FlhA ring, the substrate-docking platform of the bacterial flagellar type III secretion system
Poster-04	<i>Kazuki Kasai</i> Structural Mechanism of Receptor-Triggered MyD88 Assembly in Innate Immune Signaling by Cryo-EM Analysis
Poster-05	<i>Yumiko Uchida</i> Rotational Speed Asymmetry of CCW and CW Rotation in the Flagellar Motor Caused by N-Terminal Fusion of Stator Protein MotB
Poster-06	<i>Yuki Hino</i> Cryo-EM analysis of refolding hook protein upon flagellar assembly
Poster-07	<i>Keisuke Sakai</i> Measurement of the Correlation between cAMP Levels and Swimming Motility in <i>Salmonella</i>
Poster-08	<i>Norihiro Takekawa</i> Structures of the Pilus Tip Proteins FimC and FimD of <i>Porphyromonas gingivalis</i>
Poster-09	<i>Hikaru Tanizaki</i> Structure of FimE, a Tip Protein of the Fim Pilus from <i>Porphyromonas gingivalis</i>
Poster-10	<i>Tatsuro Nishikino</i> Dynamics of the multimeric ring complex of FliL in marine <i>Vibrio</i>
Poster-11	<i>Kaname Kuroda</i> Wide-field Microscopy for Tracking Active Locomotion of Single Microorganisms
Poster-12	<i>Hiroataka Tajima</i> Identification and Characterization of the Serotonin Chemoreceptor of <i>Vibrio cholerae</i>
Poster-13	<i>Fuga Omori</i> Mlp2, an MCP homolog of <i>Vibrio cholerae</i> , senses pyruvate and serine in distinct manners



飯店設施 Hotel Facilities

- 1F**
A 飯店大廳 Main Lobby
B 商務/訂席中心 Catering & Business Center
C 商店 Gift Shop
D 多功能教室 Multi Function Room
E 一起吧 Cheers Bar
F 亞維農宴會廳 The Avignon Banquet Hall
- 2F**
G 南方餐廳 The South Restaurant
H 尼斯會議中心 Nice Conference Center
I 莊園餐廳 The Garden Restaurant
- 3F-6F**
J 客房 Guest Rooms

南方莊園聯誼會 South Garden Country Club

- B1**
K 接待櫃檯 Members' Reception
L 溫泉水療中心 Hot Spring & Kurhaus Center
- 1F**
M 休閒中心 Recreation Center
- 2F**
N 溫泉桑拿中心 Hot Spring & Sauna Center
 亞式溫泉桑拿區 Asian Hot Spring and Sauna
 歐式溫泉桑拿區 European Hot Spring and Sauna
O 美容芳療室 Aromatherapy Center

DREAM · DISCOVER · DELIGHT

The meeting will be mainly held in **F: Avignon**, **E: Cheers Bar**, and **I: The Garden Restaurant**.