

The 2nd ExCELLS symposium: Poster presentation

#	Class	Presenter	Group name/Affiliation	Poster title
1	ExCELLS内部	青野重利	金属生命科学	Structural Basis for CO Synthesis by HypX during NiFe-Hydrogenase Maturation
2	ExCELLS内部	植村悠人	神経ネットワーク創発	Neuronal circuits that control rhythmic pectoral fin movements in larval zebrafish
3	ExCELLS内部	伊藤暁	生命分子動態シミュレーション	Theoretical and experimental studies on an A β monomer at a hydrophilic/hydrophobic interface
4	ExCELLS内部	宮澤和久	生命分子動態シミュレーション	Structural stability of RvSAHS1 in solution and the dehydrated condition using molecular dynamics simulations and high-speed atomic force microscopy
5	ExCELLS内部	Christian Ganser	生命分子動態計測	Kinesin Transport on microtubules studies by high-speed AFM
6	ExCELLS内部	山下映	神経分子動態生物学	Analysis of the mechanism of how an RNA-binding protein NFAR2 controls learning and memory via liquid-liquid phase separation
7	ExCELLS内部	佐藤 幸治	生命システム構築	The thickness of microscale liquid layer on the olfactory receptors affects on the vapor chemical detection through an air-liquid interface
8	ExCELLS内部	川出 健介	植物発生理	Gametophore formation and arginine metabolism in <i>Physcomitrella patens</i>
9	ExCELLS内部	辰本将司	認知ゲノム	Summary of the laboratory from publication and collaborative research
10	ExCELLS内部	矢部 泰二郎	発生シグナル創発	Molecular mechanisms for the spatio-temporal regulation of somite boundary formation in zebrafish
11	ExCELLS内部	三井 優輔	発生シグナル創発	Local and mutual regulations between Wnt and planar cell polarity components propagate global coordination of the planar cell polarity.
12	ExCELLS内部	高田 律子	発生シグナル創発	Assembly of protein complexes restricts diffusion of Wnt3a proteins
13	ExCELLS内部	篠塚 琢磨	発生シグナル創発	Mechanism and significance of morphological change of Wnt producing cells in the mouse spinal cord
14	ExCELLS内部	畠山 宙大	発生シグナル創発	Lineage analysis of roof plate cells during the development of mouse spinal cord
15	ExCELLS内部	TRAN Thi Hong Nguyen	発生シグナル創発	Examination complex formation of the Wnt.
16	ExCELLS内部	加藤晃一	生命分子動秩序創発	Research activities in Extreme Environmental Biomolecular Research Group in FY2019
17	ExCELLS内部	矢木真穂	生命分子動秩序創発	Exploration of the cryptobiotic mechanism of tardigrades for understanding adaptation strategies of living systems to extreme environments
18	ExCELLS内部	谷中冴子	生命分子動秩序創発	Observation of dynamical orchestration of antibodies
19	ExCELLS内部	鈴木達哉	生命分子動秩序創発	Protein-specific glycosylation determined by sub-Golgi localizations of glycosyltransferases
20	ExCELLS内部	柚木康弘	生命分子動秩序創発	Native mass spectrometric analysis of the interplay among circadian clock proteins
21	ExCELLS内部	栗原 顕輔	構成生物学	Droplet world: Integration of hypotheses on the origin of life
22	ExCELLS内部	宇治澤 知代	温度生物学	Thermal selection behaviors in mice analyzed with a new thermal gradient machine
23	ExCELLS内部	田中 智弘	心循環ダイナミズム創発	TRPC3-Nox2 complex formation mediates nutritional deficiency-induced cardiomyocyte atrophy
24	ExCELLS内部	小田 紗矢香	心循環ダイナミズム創発	The role of TRPC6 channel in a cardiac autonomic nerve regulation
25	ExCELLS内部	四宮 愛	定量生物学	Linear Regression Analysis of Annual Rhythms in Gonadal Development in the Teleost Model, Medaka
26	ExCELLS内部	後藤 祐平	定量生物学	Optogenetic manipulation of fission yeast cellular signaling
27	ExCELLS内部	谷猪 遼介	定量生物学	Quantification of GPCR Signaling Dynamics by Multiplexed Fluorescence Imaging

28	ExCELLS内部	山本 啓	定量生物学	Development and application of a new optogenetic system to manipulate intracellular contractile force
29	ExCELLS内部	榎木亮介	バイオフィotonics	Imaging neuronal network controlling circadian and ultradian calcium rhythms in mammals
30	ExCELLS内部	大友康平	バイオフィotonics	Two-photon excitation spinning disk confocal microscopy for multi-dimensional bioimaging
31	ExCELLS内部	堤元佐	バイオフィotonics	Application of novel image analysis method SRRF for deep and fast super-resolution imaging.
32	ExCELLS内部	石井宏和	バイオフィotonics	Improvement of Two-photon microscopy toward realizing in vivo super-resolution deep imaging
33	ExCELLS内部	山口和志	バイオフィotonics	In vivo visualization of dendritic spines in cortical layer V of mouse secondary motor cortex with two-photon adaptive optical microscopy
34	ExCELLS内部	安宅光倫	バイオフィotonics	Calcium imaging in living mouse brain by two-photon excitation spinning-disk confocal microscopy
35	ExCELLS内部	高橋泰伽	バイオフィotonics	In vivo two-photon imaging utilizing novel fluoropolymer PEO-CYTOP nanosheet in deep and wide field of view
36	ExCELLS内部	廣蒼太	バイオフィotonics	Optical imaging of nuclear and cytoplasmic circadian calcium rhythm in the master circadian clock
37	ExCELLS内部	餘家 博	生命時空間制御	Study on left-right bias in arrangements of basal body-associated proteins in mouse node cilia
38	ExCELLS内部	谷口 篤史	生命時空間制御	Analysis of nodal flow by three-dimensional particle image velocimetry.
39	ExCELLS連携研究	渡辺大輝	生命分子動態計測	Functional extensions of high-speed atomic force microscopy for investigation of biological molecules
40	ExCELLS連携研究	岡嶋孝治	北海道大学	Mechanics of multicellular system investigated by atomic force microscopy
41	ExCELLS課題研究	荻沼 政之	群馬大学 生体調節研究所	Molecular basis underlying "Diapause", the systems suspending vital activities
42	ExCELLS課題研究	吉戸香奈	京都大学生命科学研究科	Memory Dynamics of Helper T cells and Regulatory T cells in Adaptive Immune System
43	ExCELLS課題研究	坂本多穂	静岡県立大学 薬学部	A K channel opener DCEBIO prevents endotoxin- induced skeletal muscle atrophy
44	ExCELLS特別共同研究	新美輝幸	基礎生物学研究所	Wing color change in a coccinellid beetle (<i>Aicolocaria hexaspilota</i>) facilitated by acclimation to cold temperatures
45	ExCELLS特別共同研究	飯野亮太	分子科学研究所	Improvement of thermostability and catalytic activity of PET degrading enzyme
46	ExCELLS特別共同研究	大坪瑤子	核融合科学研究所 / 基礎生物学研究所	Development of the single-cell measurement system of the TORC1 activity in living yeast cells
47	ExCELLS特別共同研究	重信 秀治	基礎生物学研究所	Odyssey to find genes evoking multicellular organisms
48	ExCELLS特別共同研究	上野直人	構基礎生物学研究所、IRCC-QIB	Mechanical control of cell-to-cell adhesion through LLPS
49	一般参加者	小島諒介	京都大学 医学研究科	A time series analysis framework for deep state-space modeling