



Biocommunity Kansai (Biocock)

From “Accumulation” to “Collaboration”

July 2024

Secretariat
NPO Kinki Bio-Industry Development Organization
Urban Innovation Institute



Overview on Bioeconomy Strategy of the Cabinet Office

Overview of Bioeconomy Strategy



- **The bioeconomy**, which utilizes biotechnology and biomass, is expected **to solve environmental, food, and health issues**, and **to realize a circular economy and sustainable economic growth**, thus increasing global policy and market competition for investment and rule formation.
- Expectations for the bioeconomy in Japan are growing, with a large budget of 1 trillion yen in total, including for bio-production, as discussions on the GX, circular economy, economic security, food security, and enhancing innovative medicines progress.
- Through promoting measures based on **the Bioeconomy Strategy***, **expand the bioeconomy market with Japan's advantages**, and achieve **solutions to various challenges and sustainable economic growth** both. (*Bio Strategy (formulated in 2019, updated in 2021.6) has been revised and renamed)

Advancing Bioeconomy Market Growth Measures

100 trillion yen in Japan and overseas by 2030

Biomanufacturing and bio-based products

Primary Production Systems

Biopharmaceuticals, Regenerative Medicine, Healthcare

Goals

Promotion of bio-process conversion in each industry, reduction of environmental impact by using unused resources, and improvement of supply chain resiliency

Stimulating the sustainable food supply industry and contribute to CO₂ emission reduction and pollen allergy prevention by spreading large-construction with wood

Globally developing biopharmaceuticals from Japan, extending healthy life span by collaboration among medical and health care industries

Technology development

- Developing a **platform for microorganism and cell design** by integrating biotechnology with AI and other digital technologies.
- Focus on **hydrogen-oxidizing bacteria, culture and fermentation processes, etc.**
- Direct use of unused biomass CO₂ to solve raw material limitations, reduction of production and collection costs, pre-processing technologies, etc.

- Development of varieties compatible with **smart agriculture**, transformation of cultivation systems, development of generative AI to support farmers, etc., and Research and development for **both productivity improvement and sustainability**, such as development of new varieties with genomic information, etc.
- Development and verification of technologies for construction wood (CLT, etc.) and forestry machinery, and development of **pollen-free cedar through genome engineering**

- Enhancing **basic research and bridging capability** to create innovative seeds that will lead to next-generation medical technologies and pharmaceuticals

Market

- Focus on market creation of high-value-added products first for bio-based products. Review regulations and market ideal for low-cost and mass production, and market general-purpose products in phases. Expand the scale of public/private investment to 3 trillion yen/year.
- Review of **measures to stimulate demand** with reference to **LCA and other evaluations, product labeling**, forming of rules for **global standardization** and the Green Purchasing Law, etc.

- Promoting measures to reduce environmental issues based on the "Green Food System Strategy"
- Promoting **public understanding** of advanced technologies such as **food tech**, etc. Developing advanced technologies in **overseas markets, international standards**, etc.
- Promoting and raising public awareness of the significance and benefits of wood use.

- Considering **appropriate evaluation of innovations in the NHI drug price system** to proceed development of innovative drugs and medical devices.
- Support for establishment of an authorization system in collaboration with the medical and industrial communities to **ensure healthcare service reliability**.

Operating Business

- Development of **biofoundry bases**
- Develop **and ensure personnel** required in the value chain, and create a **supply chain that includes peripheral industries**.
- Coordination of regulations and rules with government ministries and agencies, response to global discussion, and promotion of biomass utilization based on the Basic Plan for the Promotion of Biomass Utilization.

- Enhance and improve **the infrastructure for joint use** by industry, academia, and government at the National Agricultural Research Organization (NARO) and other institutions.

- **Secure personnel for manufacturing on-site** and develop CDMOs and other manufacturing bases in Japan, including for security purposes.

Base measures

- Improvement of environment for young researchers to focus on research, and enhancement of **competitive research funding**.
- Develop **database and AI based search technology** to further promote the integration of **bio-digital and DX research**, and develop bioinformatics personnel.
- Develop an infrastructure to support **collaboration and use of data** across disciplines and disciplines.

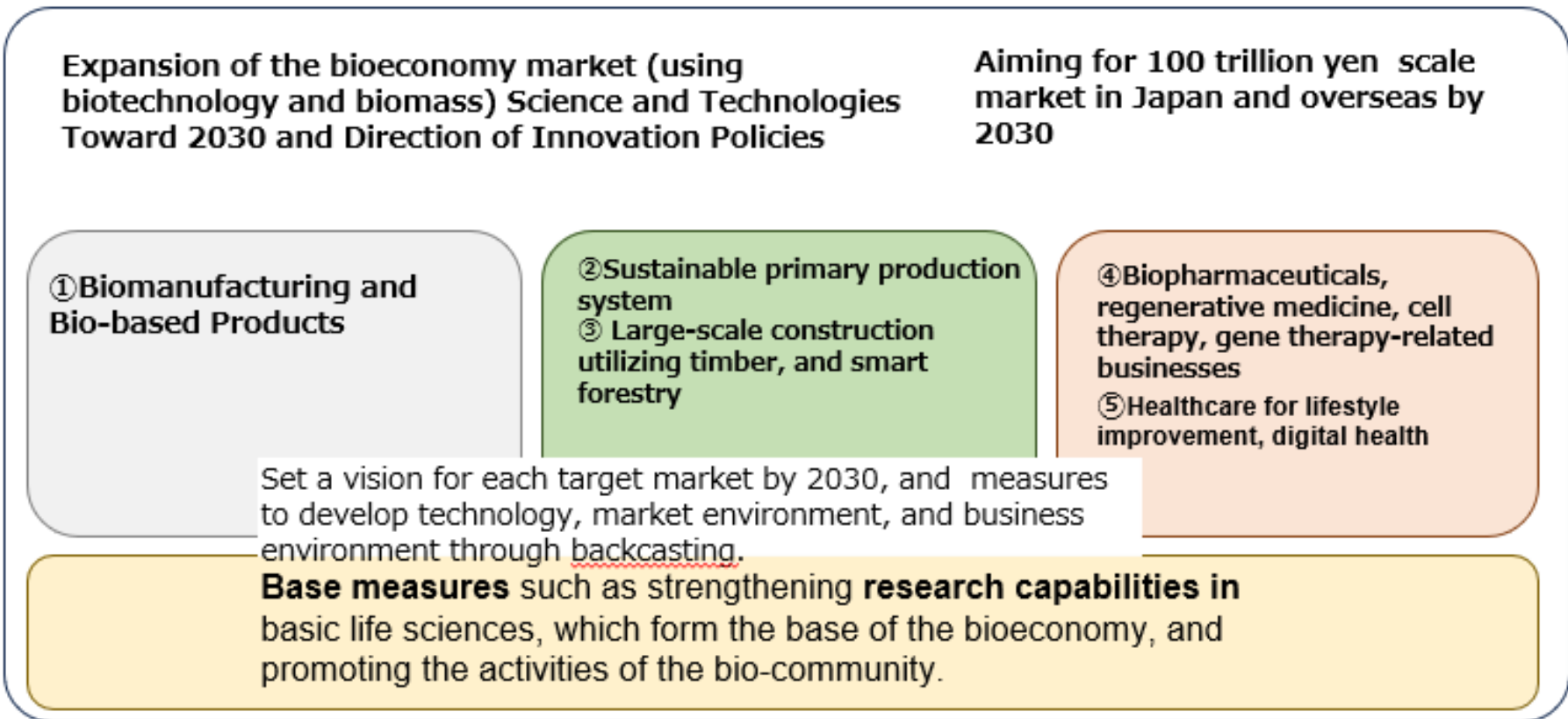
- Promote basic research such as **research focusing on the "life path"** of life from birth and growth to aging. Promote utilization of knowledge in different areas such as **AI and quantum**
- Ensure collecting, maintaining, and providing **bio-resources**, and enhance the core hubs.
- Promote collaborative actions among **industry, academia, government, and academia in bio-community and startup ecosystem cities** to attract personnel and investment, and to supply products and services to the market.

Overview of the Bioeconomy Strategy

- Solving problems of the environment, foods, health, etc.
- Achieving a Circular Economy and Sustainable Economic Growth



Contributing through expansion of the bioeconomy market



Market Areas Review

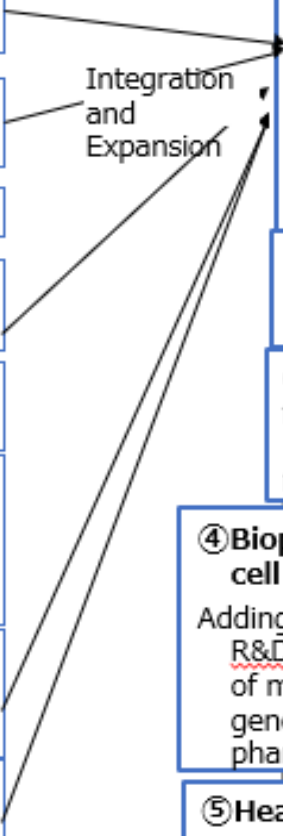
Biotechnology Strategy (Follow-up 2021. June)

- ① High functional bio-materials (lightweight, durable, and safe)
- ② Bioplastics (substitute for general-purpose plastics)
- ③ Sustainable primary production system
- ④ Organic waste and organic wastewater processing
- ⑤ Healthcare improving lifestyles, functional foods and digital health
- ⑥ Biopharmaceuticals, regenerative medicine, cell therapy, gene therapy-related businesses
- ⑦ Bio-production systems (Industrial and food production (using bio-functional production))
- ⑧ Bio-related analysis, measurement and examination systems
- ⑨ Large-scale construction with wood and smart forestry

Bioeconomy Strategy (2024. June)

- ① **Biomanufacturing and bio-based products**
 - Based on the fact that technological progress has expanded the range of goods that now can be produced with biotechnology, expanding into a wide range of markets beyond existing materials and plastics.
 - Adding a policy for initiatives using large budgets for the Bio manufacturing innovation project, the GI Fund, GteX, etc.
- ② **Sustainable primary production system**
 - Adding Smart agriculture, Green food system strategy, and Food tech which is highly interested in the industry.
- ③ **Large-scale construction with wood and smart forestry**
 - Adding measures from the perspective of control measure for source of cedar pollen.
- ④ **Biopharmaceuticals, regenerative medicine, cell therapy, gene therapy-related businesses**
 - Adding measures to promote innovative R&D, collaborative research, and the development of manufacturing bases that will lead to next generation medical care, and fostering pharmaceutical venture businesses.
- ⑤ **Healthcare for improving lifestyles, digital health**
 - Adding data linkage as a foundation to promote market access in the healthcare, support for startups domestically, etc.

Integration and Expansion





Regional Characteristics, Strengths, and Challenges of Kansai

Kansai's strengths and challenges

Accumulation of bio-related industries

- ✓ Historically, bio-industries such as pharmaceuticals, medical devices, and fermentation have been concentrated;
- ✓ Small and medium-sized manufacturing companies with advanced technologies, such as development and manufacturing of medical devices, are concentrated mainly in Eastern Osaka;
- ✓ Bio related contract manufacturing organization (CMO) and contract development & manufacturing organization (CDMO) businesses have been actively expanded in recent years.

Center of Research and Accumulation of Knowledge

- ✓ High-level research institutes and high-quality researchers are concentrated;
- ✓ Advanced research and development is progressing in the fields of regenerative medicine and immunity, such as iPS cells and cancer immunotherapy;
- ✓ Leading Research & development in cutting-edge fields, such as supercomputers, Fugaku.
- ✓ There are many research & development-type private companies;
- ✓ Diverse clusters in a wide range of fields have been developed and are compactly integrated.
- ✓ Joint researches and research exchanges with overseas are actively carried out.

The charm of the area

- ✓ Internationally, the cities of Osaka, Kyoto, and Kobe are significantly recognized as attractive cities;
- ✓ Kansai International Airport is the gateway to Kansai and has strong ties overseas, especially in Asia;
- ✓ Office rent and industrial zone rent are also relatively reasonable and have excellent cost competitiveness

Expectation to the future

- ✓ Many large-scale projects for Research & Development-type industrial promotion are being promoted;
- ✓ There is a foundation for producing start-up companies and it is expected;
- ✓ Osaka/Kansai Expo 2025 is scheduled, and future orientation is being cultivated.

Challenges

- ✓ Lack of venture mindset, human resources and funds;
- ✓ Startup awareness is low;
- ✓ There is no cohesiveness as Kansai.

From Accumulation to Collaboration

Accumulation of bio-related industries

Center of Research and Accumulation of Knowledge

The charm of the area

Kyoto University
 Center for iPS Cell Research and Application (CiRA),
 Foundation for iPS Cell Research and Application (CiRA_F)
 RIKEN (Keihanna)
 Research Institute of Innovative Technology for the Earth(RITE)
 Kyoto Research Park (KRP)

Accumulation

Osaka University
 University Public Corporation Osaka
 National Institute of Biomedical Innovation, Health and Nutrition
 National Cerebral and Cardiovascular Center
 National Institute of Advanced Industrial Science and Technology (Kansai Center)
 RIKEN (Suita), Saito, Kento, Nakanoshima
 Kansai Pharmaceutical Industries Association, Doshomachi, LINK-J WEST, Urban Innovation Institute
 Kinki Bio-Industry Development Organization

Kobe University
 RIKEN (Kobe)
 Kobe Biomedical Innovation Cluster (KBIC)/Supercomputer "Fugaku"
 Organization for Engineering Biology (OEB)
 Manufacturing Technology Association of Biologics (MAB)
 Biologics Center for Research and Training (BCRET)
 Harima Science Park City / Large Synchrotron Radiation Facility "SPring-8"

Support

Collaboration

Accelerate collaboration and linkages

Realizing a bioeconomy society in a wide range of market fields

BiocK commitment accelerates further collaboration and linkages.

By such efforts Of KSAC *, KSII ** universities and research institutes Collaboration is progressing

- * Keihanshin startup academia coalition
- ** Kansai Innovation Initiative

Startup support has begun through the actions of the Osaka-Kyoto-Hyogo-Kobe Consortium*.

* Startup and Ecosystem Hub Cities/Cabinet Office



About the Biocommunity Kansai



About the Biocommunity Kansai

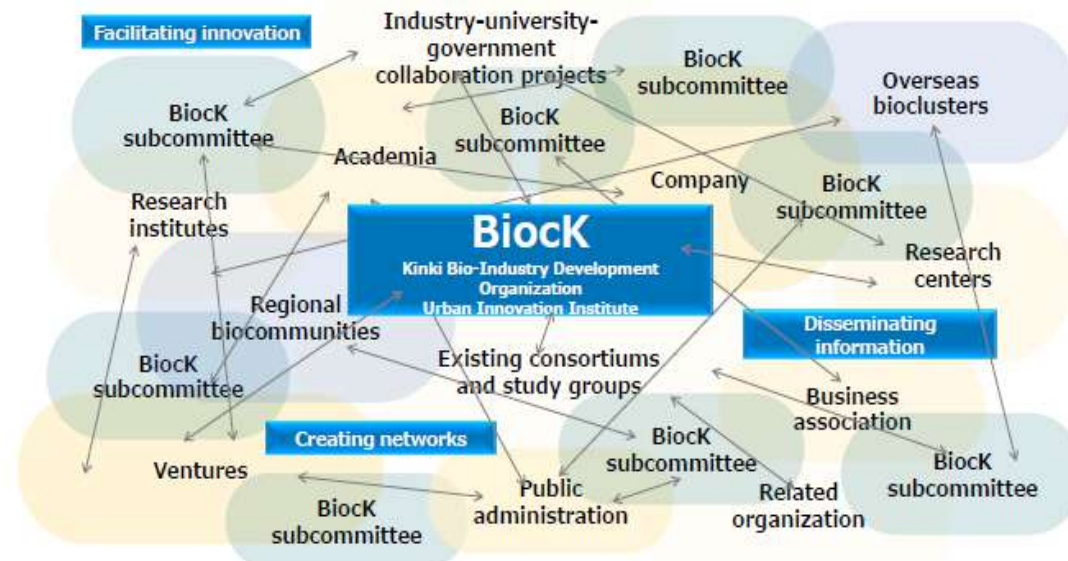
Vision	Spreading a bio-first approach to build a Global Biocommunity and realize a sustainable society
Goal	Creating an ultimate ecosystem for the bio-fields in Kansai
Keyword	Shifting from "Accumulation" to "Collaboration"

What is the meaning of "collaboration"?

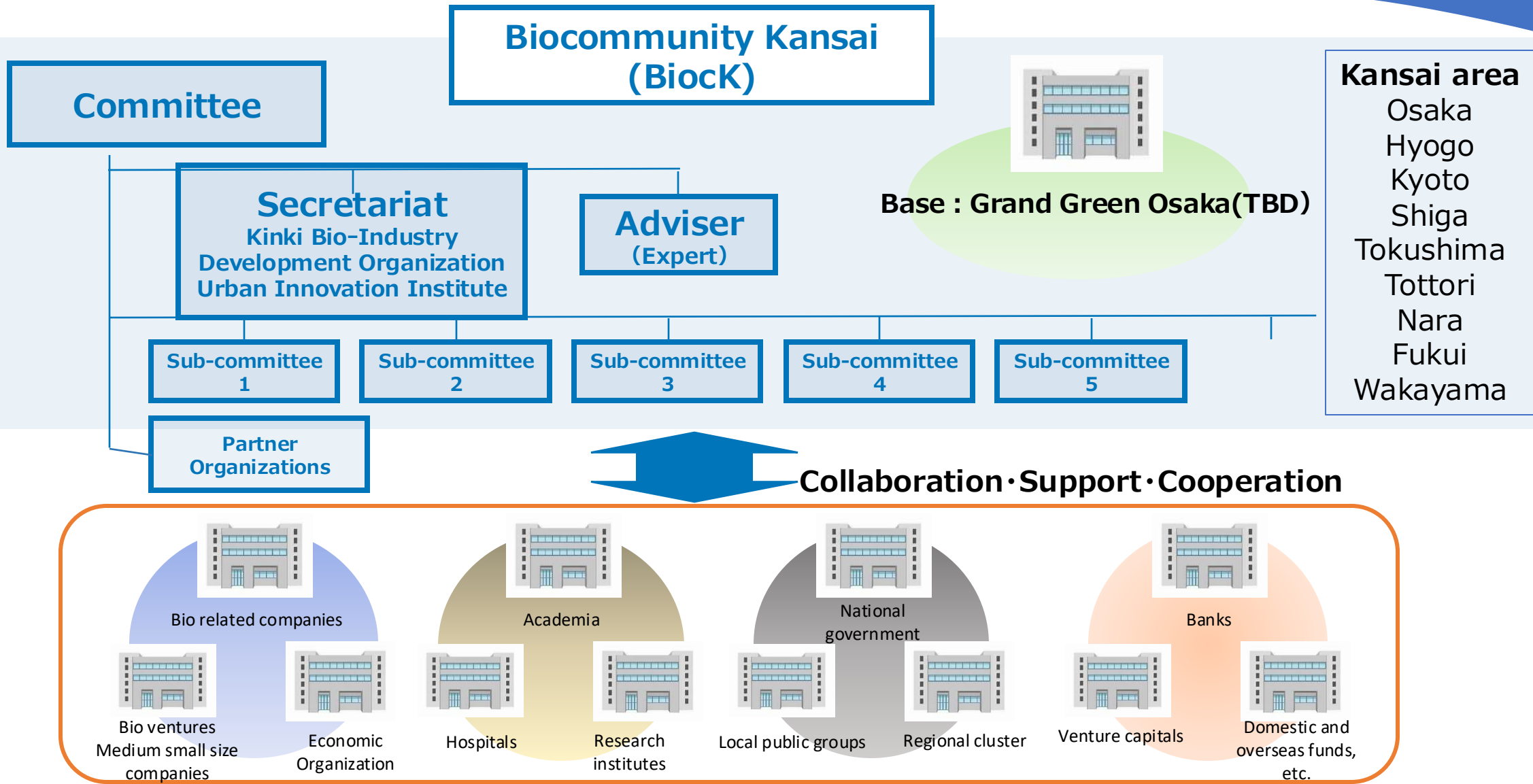
By promoting the exchange of people and information within the community centered on the network institutions, Each institution has a deep understanding of each other's situation, appropriate information is shared with each other, cooperation with necessary partners, and a positive cycle of manpower, products, finance, and information is progressing, achieving economic growth and a stronger global presence.

Name	<ul style="list-style-type: none"> ✓ Biocommunity Kansai ✓ Abbreviation: BiocK
Establishment	<ul style="list-style-type: none"> ✓ July 1st, 2021 ✓ April 22, 2022 ✓ (Global bio-community certification by the Japanese cabinet office)
Action Plan	<ul style="list-style-type: none"> ✓ Promoting innovation ✓ Promoting networking ✓ Providing information to domestic and overseas
How the Biocommunity to be	<ul style="list-style-type: none"> ✓ Making a community focusing on industry ✓ Strengthening collaboration across all of the Biocommunity ✓ Leading to new innovation

Shifting from "Accumulation" to "Collaboration"



Organization of Biocommunity Kansai



Action Plan (1) Facilitating Innovation

By forming a responsible consortium (subcommittee) to promote open innovation to solve social issues, take on challenges that cannot be solved by one company or one research institution.

① Facilitating of open innovation by companies

- Themes are solicited mainly from Kansai companies, and the core companies get the commitment of the management and become responsible leaders.
- Leader companies play a central role in forming and managing subcommittees involving Kansai and related organizations in Japan and overseas.

② Collaborate with industry-academia-government collaboration projects

- Cooperate with industry-academia-government collaboration projects promoted by the national and local governments, and give them a role as subcommittees, as necessary.
- Aim to improve the overall results by utilizing the BioCK network, such as by collaborating with other subcommittees

The following issues, which are the basis for all activities, need particular attention and subcommittees are established for addressing them.

Category	Task	Direction of Action
Startup support	Lack of venture mindset, human resources, and funds; Low recognition in overseas; Extremely small numbers of ventures, especially in the later stages of development.	Development of CXO human resources (business plan development, intellectual property securing, etc.); Financing after Series B; Cooperation with Osaka/Kyoto/Hyogo Kobe Consortium, KSAC, KSII; Proposal of funding mechanism that is not bound by the existing frameworks.
Securing human resources	Lack of CXO personnel to manage startups; Lack of human resources involved in bio-manufacturing.	Launch of CXO Human Resources Discovery Program through Human Resources Exchange; Approach to high-school students to foster their entrepreneurial mindset; Collaboration with a biomanufacturing human resources development Project.
Biofoundry	Establishment of biomanufacturing technology requires technology development and upfront investment; If we can build a value chain, it will be a great strength.	Strengthening projects related to biomanufacturing technology and cell-manufacturing technology; Utilization of CDMO, CMO, bio-manufacturing bases of operating companies;
Data linkage and utilization	Creating rules for collecting, integrating, and using biorelated data; Building a system that can be operated sustainably.	Construction of data linkage system from Kansai; Realization of Society 5.0.

Subcommittee Promotion of open innovation by companies (15 projects)

July 1st, 2024



Name	Areas	Work	Leadership Company
Biomethane subcommittee	Environment and energy	Carbon neutralization of energy	Osaka Gas Co., Ltd.
Plastic subcommittee	Environment and energy	Bioplastic	Saraya Co., Ltd.
Mental health subcommittee	Healthcare	Improving social productivity	Shionogi & Co., Ltd.
Personal data subcommittee	Healthcare	Use of personal data	Nippon Telegraph and Telephone West Corporation
Wellbeing Subcommittee on Aspergillus (national bacteria)	Lifestyle modification healthcare	Elucidation of health and cosmetic effects of Aspergillus oryzae	Gekkeikan Sake Co., Ltd.
Life Style DX subcommittee	Digital Healthcare	Updating Lifestyles with Digital	Suntory Global Innovation Center Limited
Toilets excellently add value to your life	physical wellbeing	Toilets excellently support your physical wellbeing	TOTO Ltd.
Smart cultivation subcommittee	Continuous primary production system	Maximizing the use of biotechnology in the primary industry	Yanmar Holdings Co., Ltd.
Utilization of wood and CLT with DX subcommittee	Large scale and Mid-to-high-rise building using wood and CLT	Reuse of CLT with Building Information Modeling (BIM) data	TAKENAKA CORPORATION
Forest Environment subcommittee utilizing KODOBOKU	Forest conservation	Luxuriant reforestation for Biodiversity	C-TECH CORPORATION
Biofoundry cluster subcommittee	Manufacturing Value Chain	Biomanufacturing	Baccus Bio innovation Co., Ltd.
Subcommittee on Analysis and Measurement Technologies	All biotechnology fields	Promoting bioindustry through analysis and measurement technologies	Shimadzu Corporation
Space Biological Experiments Subcommittee	All biotechnology fields	Construct a democratized space biological experiment platform using satellite payloads from Japan	IDDK Co., Ltd.
Section committee changing the world of Biotechnology by sound	Biotechnology production system / health care	Use of sound to Biotechnology production system and health care area	Onkyo Corporation
Start-up subcommittee	Support for start-up	Support for start-up in Kansai	Sumitomo Mitsui Banking Corporation (SMBC)

Many research institutions from industry, government, and academia are scheduled to participate

Seeking companies and industry-academia-government collaboration projects that will be the core function of the new subcommittee.



Name	Area	Work	Leadership Organization	Remarks
Subcommittee on digital biohealth	Healthcare	General health industry city	National Cerebral and Cardiovascular Center	Field of JST co-creation
Subcommittee on photonics life engineering	Healthcare	Photonics biotechnology	Osaka University	Field of JST co-creation
VISION to CONNECT	Healthcare	Social implementation of happy lifestyles through digital health big data with a focus on ophthalmology	Tohoku University	Field of JST co-creation
Subcommittee on modality	Healthcare	Manufacture of antibodies, gene therapy products, and vaccines	Manufacturing Technology Association of Biologics (MAB)	AMED · NEDO
MedTech Innovation	Healthcare	HR Training for Medical Device Development	Osaka University/Thermo Corporation	
Subcommittee on cell production	Regenerative medicine	Construction of an ecosystem for cell production	Osaka University	AMED
Regenerative Medicine subcommittee	Regenerative medicine	Building a regenerative medicine ecosystem and globalization	Osaka University	
Health Functions Quotient	Prediction, prevention and improvement for weaking of Health	Extending healthy life by maximizing personal health	Kobe University and RIKEN	
Food loss subcommittee	Sustainable primary production system	Innovative low food loss co-creation base	Osaka University	
Subcommittee on digital green	Sustainable primary production system/ Digital healthcare/ Bioproduction system	Realization of a sustainable society with Keihanna Science City and suburban farming and mountain villages complementing each other	Nara Institute of Science and Technology	
Biomass subcommittee	Carbon neutral	Realization of carbon zero emissions through biomass technology	Tokyo University of Agriculture and Technology (TUAT)	Field of JST co-creation
White bioindustry subcommittee	White bioindustry	Biofoundry business	Osaka University (representative sponsor)	NEDO
	Developing Human Resources for Bio-Production Systems	Developing Human Resources for the Bio-Industry to Handle Bio-Manufacturing Practices	Osaka University Institute of Technology	NEDO
Future urban subcommittee	Sustainable Society	Dissemination of future intellectual infrastructure models	Osaka University	Field of JST co-creation

Many research institutions from industry, government, and academia are scheduled to participate

Action of Subcommittees

3rd Subcommittee Meeting

Aug. 31st, 2023 (Thu.)

Subcommittee : 44, Observers : 8, BiocK : 11

1. Opening remarks by Chair Sawada
2. Activities of new subcommittees
3. Utilization of Data
 - (1) Issues on data utilization
 - (2) Talk Session
(Moderator: Chair Ms.Sawada)
4. Startup supports
5. Talk Session for Successful Open Innovation
(Moderator: Mr. Sakata, Vice Chairperson and General Coordinator)
6. Closing remarks (Vice Chairperson: Mr. Morotomi)

Promoting collaboration among subcommittees

- Discussion of common issues
- Utilization of data
- Open innovation



Events organized by subcommittees

MedTech Innovation Subcommittee

Feb 26, 2024 (Mon.)

BiocK MedTech Innovation Subcommittee Kick-off Symposium

Analysis & Metrology Subcommittee

Mar 19, 2024 (Tue.)

8th Liquid Chromatography Mass Spectrometry (LCMS) Seminar «Lecture»

Space Biology Experiments Subcommittee

Mar 19, 2024 (Tue.)

BiocK Space Biology Experiments Subcommittee Kick-off Event & Growth Industry Development Consortium Promotion Project, Networking "Space x Life Science in Kobe.

Photonics and Bioengineering Subcommittee

Jun 12, 2024 (Wed.)

MEDTEC Entrepreneurship Symposium - Creating an ecosystem that brings together academia and business

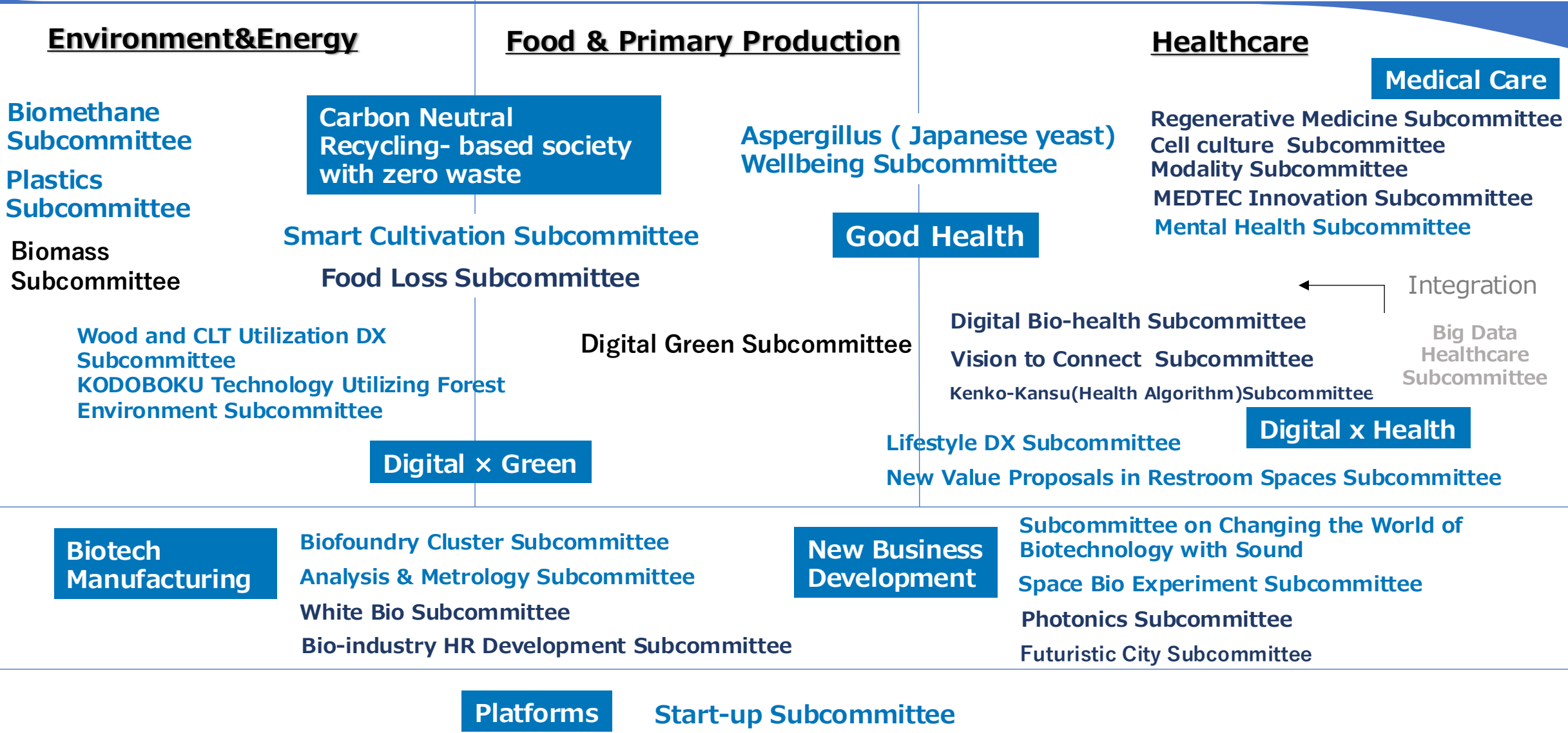
Other

4th Subcommittee Meeting

Aug 29, 2024 (Thu.) (TBD)

Subcommittee Mapping

Light Blue: Subcommittee of Open Innovation from Businesses
 Dark blue: Subcommittee of collaboration with Industry-Government-Academia projects



Achieving Successful Open Innovation

Third Subcommittee Meeting (2023.8.31) Talk Session
According to the discussion at the Bio-Strategy Talk Seminar (2023.8.1)



<p>Society Issues and the Theme</p> <ul style="list-style-type: none"> • How we see Global Society's Issues • How Biotechnology can solve the issues • Setting themes that can be commercialized 	<p>Private sector based</p> <ul style="list-style-type: none"> • Need private-sector support for commercialization • Commitment of company executives is essential. 	<p>How to work on</p> <ul style="list-style-type: none"> • Workshops that involve citizens, young people and others would also be effective. • Start with a small scale for advanced projects. 	<p>Manpower</p> <ul style="list-style-type: none"> • Recruitment of open innovation personnel • Intrapreneurs • Hard to develop business by technical department only • Developing biotech human resources is also necessary. 		
<p>Collaboration with Academia</p> <ul style="list-style-type: none"> • Academia seeds to be commercialized by companies or ventures • Need to have experts in seeds • The concept of academia collaborating with companies to solve social issues is also important. 	<p>The Core of Open Innovation</p> <table border="1"> <tr> <td data-bbox="718 618 1166 686"> <p>Concept</p> <p><u>What to do</u></p> <ul style="list-style-type: none"> • Working on real issues in society • Challenges that cannot be solved by a company alone • Design for Innovation </td> <td data-bbox="1182 618 1605 686"> <p>Communications</p> <p><u>Get support from others</u></p> <ul style="list-style-type: none"> • Coordinate specialists • Personality, ability to obtain information, expressive ability, on-site skills, and intuition skills. </td> </tr> </table>		<p>Concept</p> <p><u>What to do</u></p> <ul style="list-style-type: none"> • Working on real issues in society • Challenges that cannot be solved by a company alone • Design for Innovation 	<p>Communications</p> <p><u>Get support from others</u></p> <ul style="list-style-type: none"> • Coordinate specialists • Personality, ability to obtain information, expressive ability, on-site skills, and intuition skills. 	<p>Role of the Startup</p> <ul style="list-style-type: none"> • Leading role for promoting innovation • It also serves as a bridge between academia and business • Establish a venture that becomes a flagship • Company that creates end products • CXO Human Resource Development • Entrepreneurial training is classroom + practice • Promoting investment in startups
<p>Concept</p> <p><u>What to do</u></p> <ul style="list-style-type: none"> • Working on real issues in society • Challenges that cannot be solved by a company alone • Design for Innovation 	<p>Communications</p> <p><u>Get support from others</u></p> <ul style="list-style-type: none"> • Coordinate specialists • Personality, ability to obtain information, expressive ability, on-site skills, and intuition skills. 				
<p>Collaboration with government</p> <ul style="list-style-type: none"> • Obtaining national funds • Collaboration with local authorities is important for smart cities, recycling, energy etc. 	<p>More collaboration</p> <ul style="list-style-type: none"> • Digital and AI incorporation • Benefits with different stakeholders • Collaboration across various businesses and industries • International Collaboration 	<p>Utilization of Data</p> <ul style="list-style-type: none"> • Data is essential in the healthcare • Data is also critical in the agricultural and environmental fields. 	<p>Features of Kansai</p> <ul style="list-style-type: none"> • Has a face-to-face community. • Open and frank discussions • Suitable for innovation development • Need to activate the discussion meetings (salon) 		

Action Plan(2) Creating Networks



Domestic Collaboration

Expediting Domestic Collaboration to Build a Bio ecosystem

◆2nd Biocommunity Collaboration Conference

November 27 to 28, 2023, Fukuoka,

Global : Biocommunity Kansai (BiocK)
Greater Tokyo Biocommunity (GTB)

Regional : Hokkaido Prime Biocommunity
Tsuruoka Biocommunity
Nagaoka Biocommunity
Fukuoka Biocommunity
Hiroshima Bio-DX-Community
Okinawa Biocommunity

-Discussion on issues common in the bio-community
(financing of operation costs and start-up support, etc.)

◆Kyoto-Osaka-Kobe Collaboration meeting

April 27, 2023 Osaka

June 15, 2023 Kobe

July 26, 2023 Kyoto

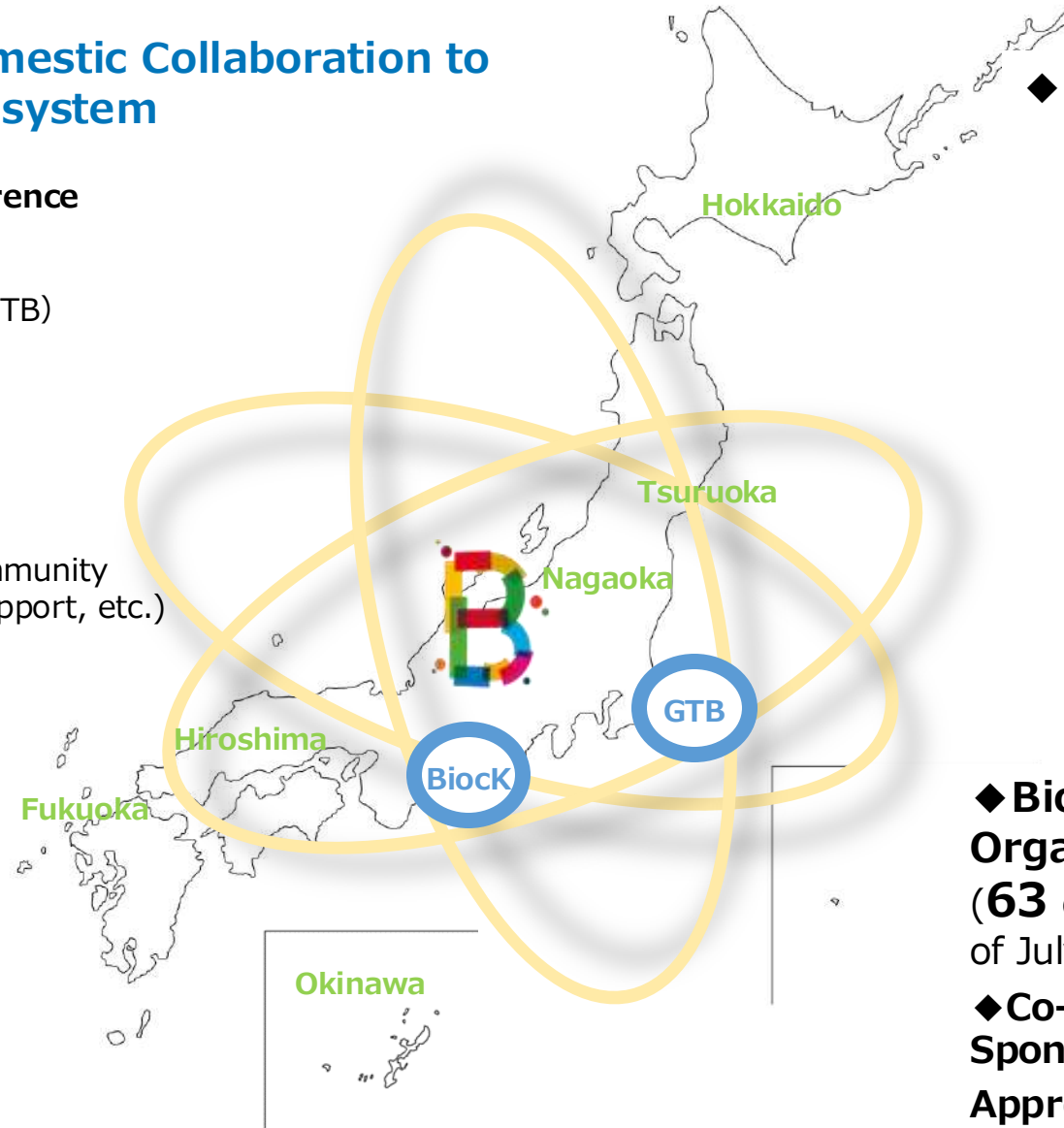
September 13, 2023 Osaka

December 6, 2023 Kobe

February 21, 2023 Kyoto

Participants: Osaka Prefecture, Kyoto City,
Kobe City, BiocK

Discussion on international event plans and
start-up support activities, etc.



◆LINK-J NEWS LETTER Nov,2023



◆BiocK Collaborating Organizations

(63 organizations in Japan - As of July 1, 2024)

◆Co-sponsorship, Partnership, and Sponsorship of seminars, etc.

Approx. 100 per year



Action plan(2) Creating Networks

Domestic collaboration

Expand the network through business matching and organizing seminars and symposiums.

◆ Business Matching

Kansai Bio Business Matching Online
Jan-Feb 2024



関西 バイオビジネス マッチング 2023

参加者募集!!

バイオ技術分野におけるシーズとニーズのマッチングイベントとして、「関西バイオビジネスマッチング」を**完全オンライン**で開催します。新規事業の創出、新たなイノベーション開発の場として是非ご活用ください。

- 募集期間** 2023年10月2日(月)～2023年11月17日(金)
- 実施方法** オンライン面談：2024年1月～2月の2か月間
ピッチ：2024年1月10日(水) 14:00～18:00
- 募集対象** バイオ技術関連の企業、ベンチャー、アカデミア等
バイオ技術分野にて興味のある異業種からの参加も可
- 対象分野** バイオ技術分野全般
医薬・創薬、創薬支援、研究開発、再生医療、ヘルスケア、食品、機能性表示食品、化粧品、素材、化学、分析、農・水産・畜産業、環境、エネルギー、デジタルAI等
- 参加費** 企業：2万円(税込) ※近畿バイオインダストリー振興会、関西産学協会の会員は無料
アカデミアの研究者は無料
- 申込方法** 近畿バイオインダストリー振興会のホームページからお申し込みください
URL: <https://kinkbio.com/informations/3585>

📍 場所と時間の制約を受けません 📍 納得いくまで面談可能
👏 異業種と出会えます 📍 アカデミアの新しいシーズにも期待
👍 マッチングサポートがあります 📍 参加者は無料でピッチ登録できます

お問合せ先 NPO法人近畿バイオインダストリー振興会 担当：川崎、田島、大橋
〒514-0048 大阪府中央区東区4丁目6番10号 丹波野ビル221号
TEL 06-4963-2107 FAX 06-4963-2127 URL: <https://kinkbio.com/>
E-mail: biomatching2023@kinkbio.com

Exhibitors : 121

Participants : 225

Business meetings : 320

Pitches : 49

Matching support : 33

◆ Seminar & Symposium

Bio Strategy Talk Seminar
The Key to Success through Open Innovation
August 3rd, 2023



バイオ戦略トークセミナー 「オープンイノベーションによる成功の秘訣」

日時 2023年8月3日(木) 14:00-16:15 ☆終了後交流会 参加無料

会場 ハイブリッド開催
会場：ライフサイエンスハブウエスト 4F A・B会議室 【先着70名】
大阪市中央区難波4-1-3 初富ビルビルディング4階
配信：Zoom (ウェビナー) 配信

バイオコミュニティ関西 (BioK) では、オープンイノベーションを推進する分野別集まりをおこなっています。1企業、1研究機関では解決できない様々な社会課題に寄り添うためには、自前主義から脱却し、外勢との連携により新しい発想を生み出すことが必要になります。今回のセミナーでは、最先端オープンイノベーションに取り組みで来られた講師の経験から、貴重なご教訓をお話しいただき、成功の秘訣についてご講演いただきます。広く皆様のご参加をお待ちしております。

- ▶ 開会挨拶 14:00-14:05
バイオコミュニティ関西 (BioK) 副委員長 兼 招待コーディネーター 坂田 恒昭
- ▶ ご講演① 14:05-14:25
「オープンイノベーションによる画期的新薬の誕生を振り返って」
バイオコミュニティ関西 (BioK) 副委員長 兼 招待コーディネーター 坂田 恒昭
- ▶ ご講演② 14:25-14:45
「シン・一次産業：自然と共生し生命 (いのち) の振動を想うイノベーションの挑戦」
サンマーホールディングス株式会社 経営企画 兼 創薬推進室 専任部長 橋 梨樹 氏
- ▶ ご講演③ 14:45-15:05
「シリコンバレーで見てきた新薬イノベーション ～欧米事例と日本の現在地～」
夏名電機株式会社 事業開発部門 アドバイザー
大阪大学フォートサイト株式会社 取締役
インベスメントLabs株式会社 シニアアドバイザー/13F 代表 法西 弘昭 氏
- ▶ ご講演④ 15:05-15:25
「たつた一人から始めるイノベーション～ゼロからワクワクへの仕組みづくり」
京都大学経営学大学院 客員教授
株式会社イノベーション推進本部 シニアアドバイザー 竹村 一 氏
15:25-15:30 休憩
- ▶ パネルディスカッション 15:30-16:10
モデレーター：坂田恒昭
パネラー：橋梨樹氏/島田恒昭氏/竹村一氏/13F 専任部長 兼 橋 梨樹 氏
- ▶ 閉会挨拶 16:10-16:15 バイオコミュニティ関西 (BioK) 専任部長 坂田 恒昭 氏
- ▶ 交流会 16:15-17:00

Bio Strategy Talk Seminar
History and Evolution of Bio clusters
in the Kansai Region
December 1, 2023



バイオ戦略トークセミナー 「関西圏バイオクラスターの歴史と発展」

日時 2023年12月1日(金) 14:00-16:30 ☆終了後交流会 参加無料

会場 ハイブリッド開催
会場：ライフサイエンスハブウエスト 4F A・B会議室 【先着70名】
大阪市中央区難波4-1-3 初富ビルビルディング4階
配信：Zoom (ウェビナー) 配信

関西では、古くから医薬品、医療器械、美容などのバイオ関連産業が盛況してきました。近代バイオ産業の黎明期である昭和年代には、バイオ分野のライフサイエンス分野におけるコミュニティの形成が始まり、2000年代からは、さらなる活動が活発化されてきました。今回のセミナーでは、関西において、バイオおよびライフサイエンス産業の活性化に寄り添ってこられた講師の皆様から、貴重なご教訓と今後の展望をお話しいただき、関西圏バイオクラスターの歴史と発展についてご講演いただきます。広く皆様のご参加をお待ちしております。

- ▶ 開会挨拶 14:00-14:05
バイオコミュニティ関西 (BioK) 副委員長 兼 招待コーディネーター 坂田 恒昭
- ▶ 特別講演 14:05-14:20
「我が国バイオ産業の概観」
経済産業省 産学サービスグループ主幹学芸員 下田 寿和 氏
- ▶ 講演① 14:20-14:40
「“関西バイオクラスタープロジェクト”による産学クラスターの形成」
経済産業省 産学推進室長 副室長 清水 浩二 氏
- ▶ 講演② 14:40-15:00
「大阪商工会議所の産学連携の歩み ～大阪・関西における健康医療産業振興10年との連続～」
大阪商工会議所 理事 兼 産学部長 藤田 道雄 氏
- ▶ 講演③ 15:00-15:20
「バイオグリッドのこれまでとこれから」
清原大平 ソフトウェア情報学 教授 下野 貴昭 氏
- ▶ 講演④ 15:20-15:40
「バイオコミュニティ関西 アップデート」
バイオコミュニティ関西 (BioK) 専任部長 坂田 恒昭 氏
- ▶ パネルディスカッション 15:40-16:25
モデレーター：坂田恒昭 パネラー：小宮利二氏/島田恒昭氏/下野貴昭氏/高田清文氏
- ▶ 閉会挨拶 16:25-16:30 山崎 幸太郎プロデューサー 兼 橋 梨樹 氏
- ▶ 交流会 16:30-17:00

Action plan

(2) Creating Networks



International Collaboration

Planning new collaborative projects through exchanges with various countries

- ◆ **Overseas research-2**
October 29-November 9, 2023
Netherlands, UK
Digital Biohealth Subcommittee (National Cerebral and Cardiovascular Center)
JST Joint Program
- ◆ **UK-Japan Healthcare Symposium -Healthy Ageing-**
February 20, 2024
- ◆ **Overseas Survey-3**
January 13-21, 2024
Spain and France
Digital Biohealth Subcommittee (National Cerebral and Cardiovascular Center)
JST Joint Program
- ◆ **Overseas Survey-5**
Fall 2024, Europe (TBD)
Digital Biohealth Subcommittee (National Cerebral and Cardiovascular Center)
Photonics Bioengineering Subcommittee (Osaka Univ.)
JST Joint Program

◆ **Frankfurt Rheinmein Seminar**
Co-organized November 14, 2023

◆ **Japan-Netherlands Symposium -Regenerative Medicine-**
Co-organized Part 1 :April 14, 2023
Part 2 :May 19, 2023

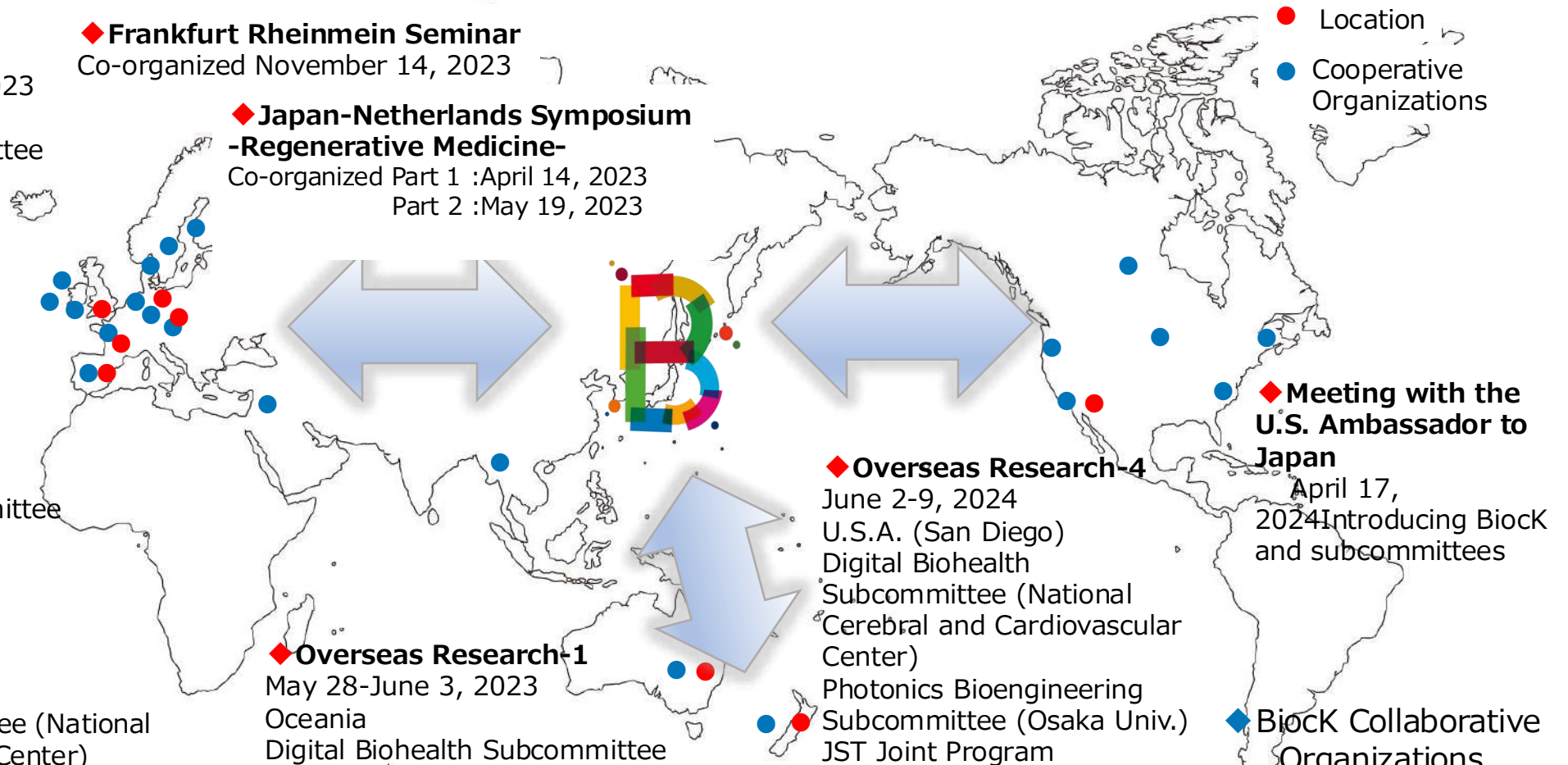
◆ **Overseas Research-1**
May 28-June 3, 2023
Oceania
Digital Biohealth Subcommittee (National Cerebral and Cardiovascular Center)
JST Joint Program

◆ **Overseas Research-4**
June 2-9, 2024
U.S.A. (San Diego)
Digital Biohealth Subcommittee (National Cerebral and Cardiovascular Center)
Photonics Bioengineering Subcommittee (Osaka Univ.)
JST Joint Program

◆ **Meeting with the U.S. Ambassador to Japan**
April 17, 2024
Introducing BiocK and subcommittees

◆ **BiocK Collaborative Organizations**
38 International Organizations

(As of July 1, 2024)



Action Plan (3) Disseminating information

Dissemination of Bioinformation from Kansai

- ✓ Information on activities and potential in Kansai;
- ✓ Information involving citizens;
- ✓ Information regarding economic security

Building Kansai Brand

- ✓ Osaka, Kyoto, and Kobe are well known, but recognition of Kansai is not high
- ✓ To improve the value and recognition of the Kansai brand by disseminating bio-information across the Kansai

Osaka / Kansai Expo2025

- ✓ It is a great opportunity to appeal to the world, and BiocK will participate in verification experiments.
- ✓ Take this opportunity to achieve realization in society.



Logo, homepage, pamphlet, movie, seminar, symposium, individual meeting, and more

Visit our website !

BiocK



<https://bioc.jp/>

- Event Information
- Subcommittees
- Collaborative Organizations



Action Plan (3) Disseminating information



Activities Description

Seminars, interviews, publications, etc.

U-FINO×BiocK Symposium

December 20, 2023

Speaker: Mr. Sakata, Vice-Chairman and General Coordinator

Current Status of Biocommunity Kansai (BiocK): From “Accumulation” to “Collaboration” -



BioJapan 2023

Biocommunity Certificate Awarding Ceremony

October 12, 2023

Speaker: Mr. Takada, Secretary General
“Commitment of the Biocommunity Kansai”



Meet with U.S. Ambassador to Japan, Mr. Rahm Emanuel

April 17, 2024

Presentation about BiocK and its subcommittees



Information on the BiocK website

Launched Advisors' Profile Page

March 2024

Event information on related organizations

Posting on websites and sending newsletters: about 120 per year

Announcements from BiocK and other organizations

Posting on website and sending newsletters: about 50 per year

Action Plan (3) Disseminating information



Bioeconomy Hub Japan 2024

Date: April 19, 2024

Venue: Grand Front Osaka

Organization: Bioeconomy Hub Japan Committee

Theme: Planetary Health

~How Innovation by Bioeconomy can Realize Planetary Health~

国際シンポジウム
Bioeconomy Hub Japan 2024
プラネタリーヘルス
～バイオによるイノベーションがプラネタリーヘルスをどう実現するか～

【日時】2024年4月19日(金) 【場所】グランフロント大阪
13:00-18:00 タワーC 8F C03/C04

【主催】Bioeconomy Hub Japan 組織委員会
【後援】公益社団法人2025年日本国際博覧会協会
【参加費】1万円 先着50名 【締切】2024年4月15日
【申込み】<https://bioeconomyhubjapan2024.peatix.com/>

現在、全国8箇所の認定バイオコミュニティが関係府のバイオ戦略に基づき、バイオエコー社会の実現に向けて活動しています。本シンポジウムでは、バイオによるイノベーションがプラネタリーヘルスという地球規模の社会課題をどう解決するか、日本はどのような貢献ができるかについて、環境・エネルギー、持続的食料システム、グローバルヘルスの各分野の第一人者にお集まりいただき議論します。

基調講演

グローバルヘルスと健康の進化を加速させる地球規模課題
京都大学 教授 岸村 勉 氏

人類学に目指すデジタルヘルス
京都大学 デジタルヘルス戦略 助教授 グローバルヘルス研究科 教授 春日 孝 氏

プログラムのディレクター
坂田 信昭
バイオコミュニティ関西 副委員長兼統括コーディネーター

持続的食料システム テクノロジディレクター
小川 剛 氏
京都大学大学院 農学研究科 教授

グローバルヘルス テクノロジディレクター
坂田 信昭
大阪大学 共同編纂 特任教授

講演1 政策を主導するエネルギーシステム
公益社団法人地球環境産業技術研究機構 (RITE) 理事長 山崎 憲治 氏

講演2 高度社会実現に向けたバイオものづくりへの挑戦
株式会社カネカ 常務執行役員 R&D本部長 上田 正博 氏

講演3 食糧における新たな課題
東京大学 名誉教授 東京農業大学 客員教授 阿部 啓子 氏

講演4 食の多様化、西洋化により、豊かにはなったが、環境負荷や健康面において新たな課題が生まれている。その解決策として、食の多様化を促進するデジタルサイエンスが必要である。

講演5 One Healthアプローチの重要性：感染症の時代を生きたるために
国立感染症研究所 感染科部長 前田 健 氏

講演6 オイフサイエンス研究の動向と展望（主にモダリティーの観点から）
国立研究開発法人科学技術振興機構 研究開発推進センター オイフサイエンス推進室長 フエロ 辻 真輝 氏

プログラム

13:00 開会挨拶: Bioeconomy Hub Japan 組織委員会 委員長 澤田 拓子

13:05 開会挨拶: 内閣府 科学技術イノベーション推進事務局 審議官 川上 大輔 氏

13:10 基調講演: 京都大学名誉教授 岸村 勉 氏

13:40 基調講演: 長崎大学 プラネタリーヘルス学 助教授 グローバルヘルス研究科 教授 春日 孝 氏

14:10 休憩

14:20 スピーチからの講演提供
講演1 環境エネルギー 公益社団法人地球環境産業技術研究機構 (RITE) 理事長 山崎 憲治 氏
講演2 持続的食料システム 株式会社カネカ 常務執行役員R&D本部長 上田 正博 氏
講演3 持続的食料システム 東京大学 名誉教授 東京農業大学 客員教授 阿部 啓子 氏
講演4 持続的食料システム 株式会社カネカ 執行役員エネルギー基盤担当 グリーン事業推進部長 柏原 正樹 氏
講演5 グローバルヘルス 国立感染症研究所感染症科学部 部長 前田 健 氏
講演6 グローバルヘルス 国立研究開発法人科学技術振興機構 研究開発推進センター フエロ 辻 真輝 氏

16:20 休憩

16:30 パネルディスカッション
モデレーター 坂田信昭、近藤昭彦氏、小川剛氏
パネリスト 山崎憲治氏、上田正博氏、阿部啓子氏、柏原正樹氏、前田健氏、辻真輝氏

17:55 閉会挨拶: Bioeconomy Hub Japan 組織委員会 副委員長 斎藤 隆一

18:00 終了 *終了後交流会

お問合せ: Bioeconomy Hub Japan 組織委員会 運営事務局
E-mail: biock-sec@biock.jp

Bioeconomy Hub Japan 2025 (TBD)

Date: April 17 & 18, 2025

Place: Herbis Hall (Umeda, Osaka)

Organization: Bioeconomy Hub Japan Committee

Theme: Planetary Health

~How Innovation by Bioeconomy can Realize Planetary Health~

Specialists from a wide range of fields and 400 participants from Japan and overseas will discuss how the bioeconomy society can achieve the goals of our bio-community and contribute to "planetary health," which is being discussed as a global social issue

Bioeconomy
Hub
Japan 2025