Attached Table 1　List of Research Areas in which "Publicly Offered Research" is Solicited in Grant-in-Aid for Transformative Research Areas (A) (31 Research Areas)

Note: See "Attached Table 2: Research Outline of Research Areas Showed on Attached Table 1" for the outline of Publicly Offered Research projects in each Research Area.

No	Number of Research Area	Title	Term of Project	Research Period	Number of projects scheduled to be selected	Upper Limit of Annual Budget (in million yen)
1	23A101	Qualia Structure: Bridging a gap between subjective conscious experience and scientific objectivity by establishing a super interdisciplinary research program	FY2023-2027	2 years	10 10 7	1.5 3 5
2	23A102	Integrative bioarchaeological studies on human prehistory in the Japanese archipelago	FY2023-2027	2 years	10 6	2 5
3	23A103	Establishing the Field of "Dignity Studies":Toward an Interdisciplinary Paradigm of Social Integration Based on the Concept of Dignity	FY2023-2027	2 years	1 4 5 6	0.8 0.9 1 1.1
4	23A201	1000-Tesla Chemical Catastrophe : Science of Chemical Bonding under Non-perturbative Magnetic Fields	FY2023-2027	2 years	10 14	1.5 2.5
5	23A202	Unveiling, Design, and Development of Asymmetric Quantum Matters	FY2023-2027	2 years	10 28	1 2.5
6	23A203	Materials Science of Meso-Hierarchy	FY2023-2027	2 years	5 6 12	2 3 3.5
7	23A204	Latent Chemical Space Based on Diverse Natural Products for Bio-active Molecular Design	FY2023-2027	2 years	21	3
8	23A205	The creation of multi-messenger astrophysics -- The unified picture of dynamical universe driven by births of black holes	FY2023-2027	2 years	8 8 2	1 3 5
9	23A206	Green Catalysis Science for Renovating Transformation of Carbon-Based Resources	FY2023-2027	2 years	20	3
10	23A301	Shin-biology regulated by protein lifetime	FY2023-2027	2 years	17	4
11	23A302	Integration of extracellular information by multimodal ECM activity	FY2023-2027	2 years	4 12	3 4
12	23A303	Hibernation biology 2.0: understanding regulated hypometabolism and its function	FY2023-2027	2 years	16	4.3
13	23A304	Dynamic reproductive lifespan: Life-long changes and fluctuations in germ cell function and risk for next generation	FY2023-2027	2 years	15	4
14	23A305	Photosynthesis ubiquity: Supramolecular complexes and their regulations to enable photosynthesis all around the globe	FY2023-2027	2 years	10 10	3 5
15	23A401	Plant Climate Feedbacks	FY2023-2027	2 years	5 13	2 4
16	23A402	Extension and validation of unified theories of prediction and action	FY2023-2027	2 years	5 7 4	3 5 10
17	25A101	Face-body design: Deepening and Sublimating Face-Body Based on Practical, Empirical and Constructive Research	FY2025-2029	2 years	8 14 5	1 2 4
18	25A102	Establishing the Digital History	FY2025-2029	2 years	12 4 2 7	1.5 2 2.5 4
19	25A201	Exploring quantum emergence through correlation design science	FY2025-2029	2 years	8 9	1.5 3.5
20	25A202	The Pursuit of Functionality Woven by π-Molecular Complexity	FY2025-2029	2 years	13 6	3 3.1

21	25A203	Quantum Matter Science in the Universe Opened Up by Precise Numerical Calculations	FY2025–2029	2 years	15 9 10	1.5 2.5 5
22	25A204	Drug development through data–driven evolutionary engineering of precision polymers	FY2025–2029	2 years	16	3.5
23	25A205	Multi Scale Muon Imaging : From Signs to Discovery	FY2025–2029	2 years	14 2	3 7
24	25A301	Biodiversity driven by mobile DNA elements and hosts : host response and trans–generation	FY2025–2029	2 years	14	4.5
25	25A302	Integrated understanding of RNA–induced perturbations in living systems and their adaptive mechanisms	FY2025–2029	2 years	20	4
26	25A303	Autophagy expanded: decoding membrane interface biology	FY2025–2029	2 years	16	4
27	25A304	Establishment of pH Biology	FY2025–2029	2 years	16	4.2
28	25A305	Symplast; intercellular communication mechanism in plants under environmental changes	FY2025–2029	2 years	16	3.5
29	25A306	Next–Generation Developmental Engineering	FY2025–2029	2 years	14	4.5
30	25A401	EPIC assembly: emergence of novel functional assembly by Evo–Physico Information Coupling	FY2025–2029	2 years	10 10	2.5 5
31	25A402	Life in Space: the Exploration of Environmental Responses and Robustness of Biological Systems to Predict the Future of Life on and Beyond Earth	FY2025–2029	2 years	12 6	3 5