

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

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	21A101	Human behavioral science for subjectification ("tojisha-ka") by interaction-based & rule-/story-based understanding of the brain & the world	FY2021-2025	2 years	10 5	3 5.2
2	21A102	Integrated Sciences for Sustainable Human-Aqua Environment	FY2021-2025	2 years	7 8	1.1 3.6
3	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	3 5
4	23A102	Integrative bioarchaeological studies on human prehistory in the Japanese archipelago	FY2023-2027	2 years	10 6	2 5
5	23A103	Establishing the Field of "Dignity Studies": Toward an Interdisciplinary Paradigm of Social Integration Based on the Concept of Dignity	FY2023-2027	2 years	16	1
6	21A201	The Natural Laws of Extreme Universe--A New Paradigm for Spacetime and Matter from Quantum Information	FY2021-2025	2 years	16 6	2 3.5
7	21A202	Creation of Materials by Super Thermal Field: Neo-3D printing by Manipulating Atomic Arrangement through Giant Potential Gradient	FY2021-2025	2 years	16	3.5
8	21A203	Science of Slow to Fast Earthquakes	FY2021-2025	2 years	16 6	2 4
9	21A204	Digitalization-driven Transformative Organic Synthesis (Digi-TOS)	FY2021-2025	2 years	7 24	3 3.5
10	21A205	Bottom-up creation of cell-free molecular systems: surpassing nature	FY2021-2025	2 years	25	4
11	21A206	Science of 2.5 Dimensional Materials: Paradigm Shift of Materials Science Toward Future Social Innovation	FY2021-2025	2 years	15 4	3 5
12	23A201	1000-Tesla Chemical Catastrophe : Science of Chemical Bonding under Non-perturbative Magnetic Fields	FY2023-2027	2 years	10 14	1.5 2.5
13	23A202	Unveiling, Design, and Development of Asymmetric Quantum Matters	FY2023-2027	2 years	6 13	1 2.5
14	23A203	Materials Science of Meso-Hierarchy	FY2023-2027	2 years	5 6 12	2 3 3.5
15	23A204	Latent Chemical Space Based on Diverse Natural Products for Bio-active Molecular Design	FY2023-2027	2 years	21	3
16	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
17	23A206	Green Catalysis Science for Renovating Transformation of Carbon-Based Resources	FY2023-2027	2 years	20	3
18	21A301	Census-based biomechanism of circuit construction and transition for adaptive brain functions	FY2021-2025	2 years	3 10 4 4	2 4 5 6
19	21A302	New cross-scale biology	FY2021-2025	2 years	2 14	2 4
20	21A303	Life Science Innovation Driven by Supersulfide Biology	FY2021-2025	2 years	15 5	2 3

21	21A304	Biology of Non-domain Biopolymer	FY2021-2025	2 years	18	4
22	21A305	Understanding multicellular autonomy by competitive cell-cell communications	FY2021-2025	2 years	16	4.5
23	23A301	Shin-biology regulated by protein lifetime	FY2023-2027	2 years	17	4
24	23A302	Integration of extracellular information by multimodal ECM activity	FY2023-2027	2 years	4 12	3 4
25	23A303	Hibernation biology 2.0: understanding regulated hypometabolism and its function	FY2023-2027	2 years	16	4.3
26	23A304	Dynamic reproductive lifespan: Life-long changes and fluctuations in germ cell function and risk for next generation	FY2023-2027	2 years	15	4
27	23A305	Photosynthesis ubiquity: Supramolecular complexes and their regulations to enable photosynthesis all around the globe	FY2023-2027	2 years	10 10	3 5
28	21A401	Hierarchical Bio-Navigation Integrating Cyber-Physical Space	FY2021-2025	2 years	20	3
29	21A402	Advanced mechanics of cell behavior shapes formal algorithm of protozoan smartness awoken in giorama conditions.	FY2021-2025	2 years	6 20	2 3
30	21A403	Digital biosphere: integrated biospheric science for mitigating global environment change	FY2021-2025	2 years	14 9 2	2 4 8
31	23A401	Plant Climate Feedbacks	FY2023-2027	2 years	5 13	2 4
32	23A402	Extension and validation of unified theories of prediction and action	FY2023-2027	2 years	5 7 4	3 5 10