Okinawa Institute of Science and Technology School Corporation

Financial Statements

Year ended March 2015

From: April 1, 2014

To: March 31, 2015

Report of Independent Auditors

June 23, 2015

The Board of Governors Okinawa Institute of Science and Technology Graduate University School Corporation

Ernst & Young ShinNihon LLC

Takashi Tanemura Certified Public Accountant Designated and Engagement Partner

Kazutaka Okubo Certified Public Accountant Designated and Engagement Partner

Kenji Izawa Certified Public Accountant Designated and Engagement Partner

Pursuant to Article 12, Section 2 of the Okinawa Institute of Science and Technology Graduate University Act, we have audited the accompanying financial statements, which comprise the balance sheet, the statements of income, cash flows, appropriation of retained earnings, costs of conducting business, and notes on significant accounting policies, other explanatory notes to the financial statements, and the related supplementary schedules of Okinawa Institute of Science and Technology Graduate University School Corporation applicable to the year ended March 31, 2015 based on Cabinet Office Notification No. 525 of November 1, 2011.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with accounting principles of Okinawa Institute of Science and Technology Graduate University (Article 6 of Cabinet Office Ordinance No. 59, 2011), and for designing and operating such internal control as management determines is necessary to enable the preparation and fair presentation of the financial statements that are free from material misstatement, whether due to fraud or error.

Auditors' Responsibility

Our responsibility is to express an opinion on the financial statements based on our audit. We conducted our audit in accordance with auditing standards generally accepted in Japan. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditors' judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditors consider internal control relevant to the entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Opinion

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of the Okinawa Institute of Science and Technology Graduate University School Corporation at March 31, 2015, the results of its operations, cash flows, and its costs of conducting business for the year then ended in conformity with accounting principles of Okinawa Institute of Science and Technology Graduate University (Article 6 of Cabinet Office Ordinance No. 59, 2011).

Conflicts of Interest

We have no interest in the Okinawa Institute of Science and Technology Graduate University School Corporation which should be disclosed in compliance with the Certified Public Accountants Act.

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Okinawa Institute of Science and Technology School Corporation

Financial Statements

Year ended March 2015

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Balance Sheets

As of March 31, 2015

(Unit: Yen)

| Accete | | | | (Unit: Yo |
|--|--------------------------------|----------------------------------|---|---|
| Assets I Noncurrent assets | | | | |
| 1 Properties, plants, and equipment | | | | |
| Land Buildings | 36,916,117,239 | 1,659,667,000 | | |
| Accumulated depreciation | -4,523,467,446 | 32,392,649,793 | | |
| Structures | 6,033,756,180 | 52,572,077,175 | | |
| Accumulated depreciation | -759,328,812 | 5,274,427,368 | | |
| Machineries | 198,577,405 | 02 201 724 | | |
| Accumulated depreciation Equipment | -105,285,671 12,363,917,758 | 93,291,734 | | |
| Accumulated depreciation | -5,776,303,081 | 6,587,614,677 | | |
| Books | | 3,082,553 | | |
| Ships and vessels Accumulated depreciation | 1,734,437 -86,722 | 1,647,715 | | |
| Vehicles and transportation equipment | 18,357,098 | 1,047,713 | | |
| Accumulated depreciation | -11,051,083 | 7,306,015 | | |
| Lease assets | 1,794,703,628 | 4.004.000.000 | | |
| Accumulated depreciation Construction in progress | -767,920,826 | 1,026,782,802 360,260,715 | | |
| Total properties, plants, and equipment | | 47,406,730,372 | | |
| | | .,, | | |
| 2 Intangible assets net of amortization | | 2.025.250 | | |
| Patents Trademark rights | | 3,837,259 858,322 | | |
| Softwares | | 108,492,308 | | |
| Patents (in the process of filing) | | 42,385,481 | | |
| Others | | 39,222,741 | | |
| Total intangible assets, net | | 194,796,111 | | |
| 3 Investments and other assets | | | | |
| Investments in securities | | 5,000 | | |
| Security deposits | | 4,266,500 | | |
| Long-term prepaid expenses Lease investment assets (Long-term) | | 674,540 3,054,236,444 | | |
| Total investments and other assets | | 3,059,182,484 | | |
| Total noncurrent assets | | | 50,660,708,967 | |
| I Comment accepts | | | | |
| I Current assets Cash and cash equivalents | | 6,100,160,556 | | |
| Accounts receivable | | 2,232,848,770 | | |
| Supplies | | 9,242,127 | | |
| Advance payments | | 442,910 | | |
| Prepaid expenses Lease investment assets (Short-term) | | 16,664,117 71,189,836 | | |
| Total current assets | | 71,102,030 | 8,430,548,316 | |
| Total assets | | • | <u>, , , , , , , , , , , , , , , , , , , </u> | 59,091,257,2 |
| iabilities | | | | |
| Noncurrent liabilities | | | | |
| Encumbrance for assets - subsidy for operation | | 11,486,733,405 | | |
| Encumbrance for assets - donation | | 59,145,359 | | |
| Encumbrance for assets - donated by Japan government | | 132,745 | | |
| Allowance-retirement benefits Long-term accrued amounts payable | | 89,699,000 3,060,766,681 | | |
| Long-term lease obligations | | 611,221,216 | | |
| Total noncurrent liabilities | | | 15,307,698,406 | |
| Current liabilities | | | | |
| Current liabilities Advance received | | 25,186,063 | | |
| Deposits received - subsidy for operation | | 25,100,005 | | |
| Deposits received - subsidy for operation | 400,230,951 | | | |
| Deposits received-subsidy for facility | 129,016,800 | 529,247,751 | | |
| Deposits received - donation Deposits received - Kakenhi | | 10,588,227 89,198,273 | | |
| Deposits received - Kakenni Deposits received - others | | 62,831,856 | | |
| Accounts payable | | 7,698,187,177 | | |
| Short-term lease obligations | | 445,967,472 | | |
| Accrued expenses | | 55,329,459 | 0.016.526.070 | |
| Total current liabilities Total liabilities | | | 8,916,536,278 | 24,224,234, |
| | | | • | = ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |
| quities | | | | |
| Contributions Contributions from government | | 24,317,681,264 | | |
| Total contributions | | 24,517,001,204 | 24,317,681,264 | |
| | | | , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | |
| I Additional paid-in contributions | | 15 001 505 005 | | |
| Additional paid-in contributions Accumulated depreciation - directly deducted from equity (-) | | 15,221,585,236 -4,990,416,020 | | |
| Total additional paid-in contributions | | -4,990,410,020 | 10,231,169,216 | |
| Total additional paid-in continuations | | | 10,231,107,210 | |
| I Retained earnings | | | | |
| Voluntary reserve funds | | 00 522 054 | | |
| | | 80,532,854 | | |
| Special reserve funds | | | | |
| Accumulated net income | | (237,639,265 (67,573,969) | | |
| Accumulated net income (Net income/(-loss) for FY2014) Total retained earnings | | (67,573,969) | 318,172,119 | |
| Accumulated net income (Net income/(-loss) for FY2014) | | | 318,172,119 | 34,867,022,5 59,091,257,2 |

Profit and Loss Statements

For the year ended March 31, 2015

| | For the year ended March 3 | 1, 2015 | | |
|--|----------------------------|---------------|----------------|----------------|
| | | | | (Unit:Yen) |
| Ordinary revenues | | | | |
| Tuition fees | | | 36,045,000 | |
| Subsidy for operation | | | 10,587,157,972 | |
| Subsidy for facility | | | 4,196,534 | |
| Sponsored research from national and local governments | | | 90,745,188 | |
| Sponsored research from nongovernments | | | 32,903,724 | |
| Joint research | | | 37,012,965 | |
| Donations | | | 5,410,733 | |
| Subsidy for other | | | 7,368,000 | |
| Property rent revenue | | | 7,671,537 | |
| Land rent revenue | | | 7,496,831 | |
| Reversal of encumbrance for assets - subsidy for operation | | | 2,028,144,725 | |
| Reversal of encumbrance for assets - subsidy for operation Reversal of encumbrance for assets - donations | | | | |
| | | | 29,048,799 | |
| Reversal of encumbrance for assets - donated by Japan government | | | 51,620 | |
| Financial revenues | | 60.115.056 | | |
| Interest | | 69,147,976 | | |
| Foreign currency transaction gain | , | 2,134,114 | 71,282,090 | |
| Miscellaneous revenues | | | 167,791,565 | |
| Ordinary revenues total | | | | 13,112,327,283 |
| | | | | |
| Operating expenses | | | | |
| Research and education expenses | | | | |
| Personnel costs | | 3,754,408,590 | | |
| Other expenses | | | | |
| Research supplies | 1,038,544,840 | | | |
| Supplies & Consumables | 605,086,953 | | | |
| Utilities | 487,904,298 | | | |
| Travel and transportation | 497,276,386 | | | |
| Communication and transportation expenses | 76,558,767 | | | |
| Rent | 170,722,649 | | | |
| Outsource | 636,746,575 | | | |
| Repair costs | 117,995,417 | | | |
| Maintenance fees | 825,201,215 | | | |
| Library expenses | 335,118,607 | | | |
| Depreciation | 2,475,215,214 | | | |
| Others | 120,186,095 | 7,386,557,016 | 11,140,965,606 | |
| General and administrative expenses | 120,100,055 | 7,500,557,010 | 11,110,505,000 | |
| Personnel costs | | 1,013,621,465 | | |
| Other expenses | | 1,013,021,403 | | |
| | 35,031,599 | | | |
| Office supplies | | | | |
| Travel and transportation | 261,210,157 | | | |
| Communication and transportation expenses | 52,601,531 | | | |
| Rent | 33,866,000 | | | |
| Outsource | 147,195,082 | | | |
| Service and advisory fees | 53,191,259 | | | |
| Advertising expenses | 51,904,247 | | | |
| Depreciation | 8,068,209 | | | |
| Others | 173,870,582 | 816,938,666 | 1,830,560,131 | |
| Financial expense | | | | |
| interest expenses | | 74,627,577 | 74,627,577 | |
| Operating expenses total | | | | 13,046,153,314 |
| Net ordinary income/(-loss) | | | | 66,173,969 |
| | | | | |
| Extraordinary income | | | | |
| Reversal of encumbrance for assets - subsidy for operation | | | 3,664,515 | |
| Reversal of encumbrance for assets - donation | | | 227,924 | |
| Reversal of encumbrance for assets - donated by Japan government | | | 1 | |
| Gain on sales of fixed assets | | | 1,400,000 | |
| Total extraordinary income | | | | 5,292,440 |
| Extraordinary loss | | | | |
| Loss on retirement of noncurrent assets | | | 3,892,439 | |
| Loss on sales of fixes assets | | | 1 | |
| Total extraordinary loss | | | | 3,892,440 |
| Net income/(-loss) | | | | 67,573,969 |
| Gross income/(-loss) | | | | 67,573,969 |
| | | | | |

Statements of Cash Flows

From April 1, 2014 to March 31, 2015

| | (Unit: Yen) |
|---|-----------------|
| I Cash flows from operating activities | |
| Tuition fees | 36,045,000 |
| Funds received from government - subsidy for operation | 17,698,083,842 |
| Funds received from outside parties - sponsored research | 183,182,506 |
| Funds received from outside parties - donations | 838,036 |
| Funds received from government - subsidy for others | 7,368,000 |
| Funds received from employees - property rent - dormitory | 7,671,537 |
| Funds received from others | 124,035,706 |
| Net cash increase in advanced-received (Kakenhi:Grant-in-aid for scientific research) | 23,654,045 |
| Payments to employees | Δ 4,784,470,389 |
| Purchase of inventories | Δ 4,034,349 |
| Payments of other than payments to employees | Δ 5,409,356,226 |
| Returns to national government - subsidy for operation | Δ 36,854,522 |
| Net cash provided by operating activities | 7,846,163,186 |
| II Cash flows from investing activities | |
| Purchase of property, plant, and equipment | Δ 4,057,041,258 |
| Purchase of intangible assets | Δ 55,864,523 |
| Funds received from government - subsidy for facility | 1,089,733,508 |
| Payments for other investing activities | 132,043 |
| Subtotal | Δ 3,023,040,230 |
| Received interest and dividends | 1,467 |
| Net cash used in investing activities | Δ 3,023,038,763 |
| III Cash flows from financial activities | |
| Payments for finance lease liabilities | Δ 431,360,446 |
| Net cash used in financial activities | Δ 431,360,446 |
| IV Foreign exchange gain | 1,725,354 |
| V Net cash increase/(decrease) in cash and cash equivalents | 4,393,489,331 |
| VI Cash and cash equivalents at beginning of year | 1,706,671,225 |
| VII Cash and cash equivalents at end of year | 6,100,160,556 |

Profit Appropriation Statements As of March 31, 2015

(Unit: Yen)

| - | * * | • | 4 . | | |
|-----|------|------------|---------|--------|----------|
| - 1 | Una | appropriat | ed reta | ained | earnings |
| - | 0110 | ppropriat | cu rec | aiiica | Carrings |

Gross profit 67,573,969

Retained earnings at the beginning of a period 170,065,296

II Retained earnings 237,639,265

Statements of Administrative Service Costs

From April 1, 2014 to March 31, 2015

| 110111111111111111111111111111111111111 | | (Unit: Yen) |
|---|----------------|----------------|
| I Ordinary expenses | | |
| (1) Ordinary expenses stated on Profit and Loss Statements | | |
| Research expenses | 11,140,965,606 | |
| General and administrative expenses | 1,830,560,131 | |
| Financial expenses | 74,627,577 | |
| Extraordinary loss | 3,892,440 | 13,050,045,754 |
| (2) (Less) Revenue from outside parties | | |
| Tuition fees | Δ 36,045,000 | |
| Sponsored research | Δ 123,648,912 | |
| Joint research | Δ 37,012,965 | |
| Donations | Δ 5,410,733 | |
| Property rent revenue | Δ 7,671,537 | |
| Land rent revenue | Δ 7,496,831 | |
| Reversal of encumbrance for assets-donation | Δ 29,048,799 | |
| Financial revenue | Δ 71,282,090 | |
| Miscellaneous | Δ 123,089,430 | |
| Extraordinary Income | Δ 1,627,924 | Δ 442,334,221 |
| Total ordinary expenses | | 12,607,711,533 |
| II Depreciation-directly deducted from equity | | 1,509,601,546 |
| III Estimated allowance for retirement benefits | | 1,649,000 |
| IV Opportunity costs | | |
| Opportunity costs of free rental fee or reduction rental fee from national/local government | 149,375,812 | |
| Opportunity costs of national/local government | 135,278,289 | 284,654,101 |
| V Administrative service costs | | 14,403,616,180 |

Notes to Financial Statements

I. Important accounting policy

1. Supplies

(1) Research supplies

Research supplies are reported at lower of cost or market value under moving average method.

(2) Others

Others are reported at lower of cost or progressive average inventory method.

2. Depreciation

(1) Property, plant, and equipment

Depreciation is recognized on the straight-line method under The Corporation Tax Law.

In accordance with OIST Accounting standards, Article 40 depreciation on specified assets is directly deducted from equity stated as "Accumulated depreciation-directly deducted from equity."

(2) Intangible Assets

Depreciation is calculated on the straight-line method.

Useful life of software for in-house use is amortized over two to five years.

3 Allowance for retirement benefits

(1) Allowance-retirement benefits

Allowance for retirement benefits for employees is recognized on liability for FY2014 within estimated payment amount in the future.

4. Opportunity costs on the statements of administrative service costs

(1) Calculation of opportunity costs of lending by means of free rental fee or reduction rental fee of the property of the national/local governments has been calculated based on the JASDF Onna Sub Base and agricultural land unit price.

(2) Interest rate used to calculate the opportunity cost pertaining to government contributions

Opportunity costs of the national/local government are calculated at the percentage of 0.400% which refers to the interest rate for 10-year government bonds at the end of March 2015.

5. Foreign currency transactions

Foreign currency transactions are converted to yen at the spot exchange rate as of the closing date, and the translation difference is recorded in profit and loss.

6. Leases

Lease transactions in excess of 3 million yen are recorded as finance leases.

Lease transactions less than 3 million yen are calculated as operating leases.

7. Accounting standards for income and expenses

(1) Accounting standards related to income from finance leases (lessor)

Accounted for based on the method of allocating an amount equivalent to the interest to each period without posting sales.

8. Consumption tax

The tax-included method is adopted for consumption tax accounting.

II. Additional information

1. Summary of transactions and accounting treatment regarding the village zone housings

The University entered into a contract with OKINAWA SCIENTISTS VILLAGE Co., Ltd. (hereafter the "Business Operator") on September 30, 2011, regarding the housings maintenance business. The Business Operator, based on the corresponding contract, was to construct housings located on premises owned by the University that would be for use by students and faculty staff members and transfer the housings to the University after its completion. Construction of the housings was to consist of three phases. The first phase, the second phase and the third-(1) were completed at each fiscal year 2012, 2013 and 2014. The housings were then delivered to the University. Upon completion of the housings, the University received them from the Business Operator under a long-term installment purchase and at the same time entered into a building loan agreement by way of a periodic lease with the Business Operator, and is leasing the housings. The long-term installment purchase amount in accordance with the acquisition of the housings is the same amount as the lease payments relating to the housings. Further, the payment schedule and the amount to pay each year including interest are also set at the same amount. Hence, the payment amounts for each year are canceled out and no payments are made to each other. The building loan agreement by way of a periodic lease stipulates that the Business Operator cannot in principle cancel the lease contract during the term and that the housings will be returned to the University after the end of the lease term. Lease transactions between the University and the Business Operator are accounted for by treating them as a finance lease where ownership is not transferred (to the lessor).

Furthermore, when accounting for such transactions they are treated as a finance lease where ownership is not transferred (to the lessor), and an amount equivalent to the interest is allocated to each period without posting sales and the housings that were handed over is stated as a lease investment asset.

III. Balance sheet

1. Subsidy for operation and facility

(1) Deposits received - subsidy for operation

| Returns to National government | 126,601,555 yen |
|---|-----------------|
| Closing balance of encumbrance for construction in progress - subsidy for operation in SC | 231,243,915 yen |
| Closing balance of encumbrance for patent - subsidy for operation in SC | 40,883,517 yen |
| Closing balance of encumbrance for patent-subsidy for operation in PC | 1,501,964 yen |
| Total of closing balance | 400,230,951 yen |

(2) Deposits received - subsidy for facility

| Closing balance of encumbrance for construction in progress - subsidy for facility in SC | 129,016,800 yen |
|--|-----------------|
| Total of closing balance | 129,016,800 yen |

IV. Statement of Cash Flows

(1) Breakdown of the balance sheet by year-end balance of funds

| Cash and cash equivalent | 6,100,160,556 yen |
|---------------------------------|-------------------|
| Balance of funds at end of year | 6,100,160,556 yen |

(2) Important non-financial transactions

| Amount of assets and liabilities related to finance leases (lessee) newly recognized in the term | 206,654,976 yen |
|---|-----------------|
| Amount of investments related to finance leases (lessor) newly recognized in the term | 554,040,000 yen |
| Amount of long-term accounts payable related to acquisition of tangible fixed assets newly recognized in the term | 554,040,000 yen |

V. Statements of administrative service costs

Estimated allowance for retirement benefits includes 1,649,000 yen concerning loaned employees from the government and other organizations.

VI. Notes to finance leases

1. Lessee

(1) Details of lease assets

Service vehicles (OIST bus) and research equipment (Regenerative Amplifier Laser System with Pump Lasers set)

(2) Depreciation method of lease assets

Depreciated using the straight-line method over the useful life of the lease term, with no residual value.

2. Lessor

(1) Breakdown of investments in leases

(i) Investments and other assets

| Portion of lease receivables | 4,328,919,942yen |
|--------------------------------------|------------------|
| Amount equivalent to interest income | 1,274,683,498yen |
| Lease investment assets | 3,054,236,444yen |

(ii) Current assets

| Portion of lease receivables | 149,232,469yen |
|--------------------------------------|----------------|
| Amount equivalent to interest income | 78,042,633yen |
| Lease investment assets | 71,189,836yen |

(2) Scheduled recoverable amount of the lease receivables part pertaining to lease investment assets after the closing date (i) Investments and other assets

| | | More than 1 | More than 2 | More than 3 | More than 4 | |
|-------------------------|----------|--------------|--------------|--------------|--------------|---------------|
| | Within 1 | year but not | year but not | year but not | year but not | More than 5 |
| | year | more than 2 | more than 3 | more than 4 | more than 5 | years |
| | | years | years | years | years | |
| Lease investment assets | - | 72,969,584 | 74,793,823 | 76,663,667 | 78,580,260 | 2,751,229,110 |

(ii) Current assets

| | Within 1 year | year but not | year but not | More than 3 year but not more than 4 years | year but not | More than 5 years |
|-------------------------------|------------------|--------------|--------------|---|--------------|----------------------|
| Lease investment assets | 71,189,836 | - | - | - | - | - |

VII. Important subsequent events

Not applicable.

1. Acquisition, disposal and depreciation of fixed asset, and accumulated impairment loss

(Includes depreciation, which is excluded from ordinary expenses, specified in the OIST Accounting standards, Article 40, Accounting treatment for depreciation of specific asset).

(Unit: Thousand Yen)

| | | | | | | Accumulated | d depreciation | Accumulated impairment loss | | | Memo |
|--|--------------------------------------|-------------------|-------------|-----------|-----------------|-------------|--------------------------|--------------------------------------|--------------------------------------|------------------------|------|
| Asset | | Beginning balance | Increase | Decrease | Closing balance | | Depreciation for FY 2014 | Included in ordinary expenses FY2014 | Excluded in ordinary expenses FY2014 | Closing net book value | Memo |
| | Buildings | 2,486,185 | 2,337,968 | - | 4,824,154 | 359,177 | 132,138 | | - | 4,464,977 | |
| | Structures | 282,885 | 60,100 | 1,570 | 341,414 | 68,273 | 22,340 | | - | 273,141 | |
| | Machinery | 157,422 | 990 | - | 158,412 | 76,605 | 22,989 | | - | 81,807 | |
| | Equipment | 7,758,503 | 4,569,325 | 95,947 | 12,231,881 | 5,694,952 | 1,836,470 | | - | 6,536,928 | |
| Property, plant, and equipment (Depreciation - Included in ordinary expenses) | Books | 1,394 | 1,688 | - | 3,082 | - | - | | - | 3,082 | |
| (Depreciation - included in ordinary expenses) | Ship | - | 1,734 | - | 1,734 | 86 | 86 | | - | 1,647 | |
| | Vehicle and transportation equipment | 15,406 | 4,866 | 1,915 | 18.357 | 11,051 | 3,581 | | - | 7,306 | |
| | Lease assets | 1,581,008 | 213,694 | - | 1,794,703 | 767,920 | 426,898 | | - | 1,026,782 | |
| | Total | 12,282,806 | 7,190,368 | 99,434 | 19,373,740 | 6,978,066 | 2,444,505 | | - | 12,395,674 | |
| | Buildings | 26,829,529 | 5,262,432 | - | 32,091,962 | 4,164,290 | 1,277,885 | | - | 27,927,672 | |
| | Structures | 5,514,986 | 177,355 | - | 5,692,341 | 691,055 | 213,175 | | - | 5,001,285 | |
| Property, plant, and equipment | Machinery | 43,080 | - | 2,915 | 40,165 | 28,680 | 2,886 | | _ | 11,484 | |
| (Depreciation - Excluded from ordinary expenses) | Equipment | 132,036 | | - | 132,036 | 81,350 | 15,598 | | - | 50,686 | |
| | Total | 32,519,633 | 5,439,788 | 2,915 | 37,956,505 | 4,965,377 | 1,509,546 | | - | 32,991,128 | |
| | Land | 1,659,667 | -, -, ,, ,, | - | 1,659,667 | , 10,011 | | | - | 1,659,667 | |
| Non-depreciable assets | Construction in progress | 2,611,390 | 5,674,845 | 7,925,975 | 360,260 | - | | | - | 360,260 | |
| • | Total | 4,271,057 | 5,674,845 | 7,925,975 | 2,019,927 | _ | | | _ | 2,019,927 | |
| | Land | 1,659,667 | 2,071,013 | 1,723,713 | 1,659,667 | _ | _ | | _ | 1,659,667 | |
| | Buildings | 29,315,715 | 7,600,401 | _ | 36,916,117 | 4,523,467 | 1,410,024 | | _ | 32,392,649 | |
| | Structures | 5,797,871 | 237,455 | 1,570 | 6,033,756 | 759,328 | 235,516 | | _ | 5,274,427 | |
| | Machinery | 200,503 | 990 | 2,915 | 198,577 | 105,285 | 25,875 | | _ | 93,291 | |
| | Equipment | 7,890,539 | 4,569,325 | 95,947 | 12,363,917 | 5,776,303 | 1,852,069 | | _ | 6,587,614 | |
| Total property, plant, and equipment | Books | 1,394 | 1,688 | | 3,082 | | -,00-,000 | | _ | 3,082 | |
| | Ship | 1,001 | 1,734 | _ | 1,734 | 86 | 86 | | _ | 1,647 | |
| | Vehicle and transportation equipment | 15,406 | 4,866 | 1,915 | 18,357 | 11.051 | 3,581 | | _ | 7,306 | |
| | Lease assets | 1,581,008 | 213,694 | 1,7.13 | 1,794,703 | 767,920 | 426,898 | | _ | 1,026,782 | |
| | Construction in progress | 2,611,390 | 5,674,845 | 7,925,975 | 360,260 | 707,520 | 120,070 | | _ | 360,260 | |
| | Total | 49,073,496 | 18,305,002 | 8,028,325 | 59,350,174 | 11,943,443 | 3,954,052 | | _ | 47,406,730 | |
| | Patents | 6,107 | 243 | 0,020,020 | 6,351 | 2,514 | 861 | | _ | 3,837 | |
| | Trademark right | 1,119 | 245 | | 1,119 | 261 | 111 | | _ | 858 | |
| Intangible assets | Software | 156,813 | 37,608 | _ | 194,422 | 85,929 | 33,948 | | | 108,492 | |
| (Depreciation - Included in ordinary expenses) | Other intangible assets | 50,387 | 1,398 | | 51,785 | 13,086 | 3,856 | | _ | 38,698 | |
| | Total | 214.427 | 39,250 | | 253,678 | 101.792 | 38,778 | | _ | 151,886 | |
| Intangible assets (Depreciation - Excluded from ordinary expenses) | Other intangible assets | 711 | 57,250 | | 711 | 187 | 54 | | | 524 | |
| Non-depreciable assets | Patent in the process of filing | 15,458 | 27,170 | 125 | 42,504 | - | | | | 42,504 | |
| | Patents | 6,107 | 243 | - | 6,351 | 2,514 | 861 | | - | 3,837 | |
| | Trademark right | 1,119 | | | 1,119 | 261 | 111 | | | 858 | |
| Total intengible access | Software | 156,813 | 37,608 | - | 194,422 | 85,929 | 33,948 | | - | 108,492 | |
| Total intangible assets | Patent in the process of filing | 15,458 | 27,170 | 125 | 42,504 | - | - | | | 42,504 | |
| | Other intangible assets | 51,098 | 1,398 | - | 52,496 | 13,273 | 3,911 | | - | 39,222 | |
| | Total | 230,597 | 66,421 | 125 | 296,893 | 101,979 | 38,832 | | - | 194,914 | |
| | Investments in securities | - | 5 | - | 5 | - | - | | - | 5 | |
| | Security deposit | 3,839 | 805 | 377 | 4,266 | - | - | | - | 4,266 | |
| Townstownstown distribution | Prepaid expense (long-term) | 1,599 | - | 925 | 674 | - | - | | - | 674 | |
| Investments and other assets | lease investment assets | 2,577,549 | 535,397 | 58,710 | 3,054,236 | - | - | | - | 3,054,236 | |
| | Total | 2,582,988 | 536,207 | 60,013 | 3,059,182 | - | - | | - | 3,059,182 | |

Notes:

^{1.} Increased buildings: Lab3 6,356,674 thousand yen, Child development center 330,109 thousand yen, Skywalk 2 276,997 thousand yen, Skywalk 3 254,998 thousand yen

^{2.} Increased structures: Lab3 Planting and other construction 88,503 thousand yen, South hill Planting and other construction 67,868 thousand yen, Child development center Planting and other construction 59,783 thousand yen

^{3.} Increased equipment: High performance computing cluster 552,665 thousand yen, Atomic resolution analytical TEM 418,500 tousand yen, 200 kV cryo TEM system 394,200 thousand yen, FIB-SEM Dual Beam System 194,400 thousand yen

^{4.} Increased lease assets : Regenerative Amplifier Laser System with Pump Lasers 100,984 thousand yen

^{5.} Increased lease investment assets: Village zone housings (Phase 3-1) South hill 554,040 thousand yen (including long and short)

2. Supplies

(Unit: Thousand Yen)

| Item | Beginning balance | Increase | e | Decrease | | Closing balance | Memo |
|-------------------|-------------------|-----------------------|--|----------|--------|-----------------|---------|
| Rem | Beginning balance | Purchase and Transfer | Others Consumption and Transfer Others | | Others | Closing balance | ivieino |
| Research supplies | 1,423 | - | - | 1,087 | - | 336 | |
| Other | 10,031 | 10,242 | - | 11,368 | - | 8,905 | |
| Total | 11,455 | 10,242 | - | 12,456 | - | 9,242 | |

3. Securities

Investments in securities (Unit: Thousand Yen)

| | | Description | Acquisition cost | Amount of denomination | market value | Balance sheet | Profit and loss statement | Valuation difference of securities | Мето |
|----------------------------------|------------|---------------------------------------|------------------|------------------------------|-----------------|------------------|---------------------------------|---|--|
| Securities-other | Fair value | - | - | 1 | 1 | - | - | - | |
| Securities-other Non-fair value | | Okinawa Protein Tomography Limited | - | 1 | ı | 5 | 5 | | Gratis allotment of stock acquisition rights 5,000 |
| Total | | - | 1 | ı | 5 | 5 | - | | |

4. Voluntary use of national property

| Category | Item | Address | Space (m²) | Structure | Opportunity costs (Thousand yen) | Memo |
|--|--------|---------------------------------|------------|-----------|--|------|
| Land | Campus | 1919-1 Tancha, Onna-son Okinawa | 631,410.60 | - | 147,737 | |
| Land Marine Science Lab 989 Seragaki, Onna-son Okinawa | | 7,002.14 | - | 1,638 | | |
| Total | | | 638,412.74 | - | 149,375 | |

5.PFI

Notes: The above delivery schedules are stated based on the most recent memorandum of understanding regarding change to the business contract.

6.Allowance-retirement benefits

(Unit: Thousand yen)

| Category | | Beginning Balance | Increase | Decrease | Closing Balance | Memo |
|--|--|----------------------|----------|----------|--------------------|------|
| Total of accumulated benefits obligation | | 82,534 | 18,012 | 10,847 | 89,699 | |
| | Obligation of retirement lump-sum grants | 82,534 | 18,012 | 10,847 | 89,699 | |
| Unrecognized prior service cost | | - | - | - | - | |
| Unrecognized net actual loss on assets | | - | - | - | - | |
| Pension asset | | - | - | - | - | |
| Allowance-retirement benefits | | 82,534 | 18,012 | 10,847 | 89,699 | |

7. Contribution and additional paid-in contribution

(Unit: Thousand Yen)

| Category | | Beginning Balance | Increase | Decrease | Closing balance | Memo |
|-------------------------------------|--|-------------------|-----------|----------|-----------------|----------|
| Contribution | Contribution from national government | 24,317,681 | - | - | 24,317,681 | |
| | Total | 24,317,681 | - | - | 24,317,681 | |
| Additional paid- in contribution | Additional paid-in contribution | | | | | |
| in contribution | Subsidy for Facility | 9,781,797 | 5,439,788 | - | 15,221,585 | Note (1) |
| | Total | 9,781,797 | 5,439,788 | - | 15,221,585 | |
| | Accumulated depreciation directly deducted from equity | 3,480,814 | 1,509,601 | - | 4,990,416 | |
| | Balance | 6,300,982 | 3,930,186 | - | 10,231,169 | |

Note(1): Increase in the subsidy for facility was mainly due to the completion of Lab3 4,540,825 thousand yen and Child Development Center 287,205 thousand yen.

8. Changes in reserve fund

(Unit: Thousand yen)

| Category | Beginning balance | Increase | Decrease | Closing balance | Memo |
|----------------------|-------------------|----------|----------|-----------------|---|
| Special reserve fund | 58,867 | - | - | 58,867 | With regards to allowance-retirement benefits for employees in the previous corporation that were not posted in the balance sheet in accordance with accounting standards for an independent administrative institution, at the beginning of the first fiscal year, we posted the required amount for the reserve as a liability and handled the corresponding reserve amount as a school subsidy in the same fiscal year. In this way, we monetized the required amount for the reserve. |
| Special reserve fund | 21,665 | - | - | 21,665 | With regards to allowance-bonuses in the previous corporation that were not posted in the balance sheet in accordance with accounting standards for an independent administrative institution, at the beginning of the first fiscal year, we posted the required amount for the reserve as a liability and handled the corresponding reserve amount as a school subsidy in the same fiscal year. In this way, we monetized the required amount for the reserve. |
| Total | 80,532 | - | - | 80,532 | |

| Account item | Amount | Memo |
|---|----------------------|------|
| Research expenses | 21.122 | |
| Executive salaries | 31,120 | |
| Salaries - Exe allowance Salaries - Exe other | 18 490 | |
| Salaries - Base | 3,042,745 | |
| Salaries - Allowance | 200,033 | |
| Salaries - Commutation | 36,392 | |
| Salaries - Over time | 69,747 | |
| Salaries - Others | 46,695 | |
| Periodic retirement benefits | 10,636 | |
| Legal welfare Research supplies | 316,528 1,038,544 | |
| Supplies Supplies | 302,674 | |
| Consumables | 302,412 | |
| Utilities | 487,904 | |
| Travel and transportation - Domestic | 122,433 | |
| Travel and transportation - International | 226,800 | |
| Travel and transportation - Invite | 142,731 | |
| Travel and transportation - Others | 5,310 | |
| Communication expenses | 55,148 | |
| Transportation expenses | 21,410 | |
| Lease fees Rent fee - Land and buildings | 9,558 128,136 | |
| Rent fee - Cand and buildings Rent fee - Others | 33,028 | |
| Welfare expenses | 818 | |
| Payment commissions | 567 | |
| Membership fees | 26,361 | |
| Meeting expenses | 6,709 | |
| Training fees | 8,420 | |
| Professional fees | 2,613 | |
| Honorariums | 13,936 | |
| Outsource | 636,746 | |
| Repair costs Maintenance fees | 117,995 825,201 | |
| Insurance - Property | 4,366 | |
| Advertising expenses | 16,427 | |
| Patent expenses | 299 | |
| Depreciation - Buildings | 132,138 | |
| Depreciation - Structures | 22,340 | |
| Depreciation - Machinery | 22,989 | |
| Depreciation - Equipment | 1,834,816 | |
| Depreciation - Vehicle and transportation equipment | 3,581 | |
| Depreciation - Ships and vessels | 86 | |
| Depreciation - Intangible assets | 32,364 | |
| Depreciation - Lease assets Library expenses | 426,898 335,118 | |
| Taxes and dues | 6,435 | |
| Import consumption tax | 4,634 | |
| Other expenses | 28,595 | |
| Total: | 11,140,965 | |
| General and administrative expenses | | |
| Executive salaries | 77,496 | |
| Salaries - Exe commutation Salaries - Base | 287 684,627 | |
| Salaries - Base Salaries - Allowance | 38,271 | |
| Salaries - Commutation | 12,448 | |
| Salaries - Over time | 48,331 | |
| Salaries - Others | 28,014 | |
| Periodic retirement benefits | 7,376 | |
| Legal welfare | 116,768 | |
| Research supplies | 2,757 | |
| Supplies | 5,659 | |
| Consumables | 29,372 | |
| Utilities Travel and transportation - Domestic | 23,993 43,845 | |
| Travel and transportation - Domestic Travel and transportation - International | 26,658 | |
| Travel and transportation - Invite | 142,620 | |
| Travel and transportation - Others | 48,085 | |
| Communication expenses | 3,612 | |
| Transportation expenses | 48,989 | |
| Lease fees | 150 | |
| Rent fee - Land and buildings | 28,609 | |
| Rent fee - Others | 5,106 | |
| Welfare expenses Event expenses | 10,757 65 | |
| Payment commissions | 1,446 | |
| Membership fees | 2,499 | |
| Meeting expenses | 5,788 | |
| Training fees | 4,401 | |
| Professional fees | 26,639 | |
| Honorariums | 26,551 | |
| Outsource | 147,195 | |
| Repair costs | 55 | |
| Maintenance fees | 1,968 | |
| Insurance - Property Advertising expenses | 29,590 51,904 | |
| Advertising expenses Patent expenses | 188 | |
| Depreciation - Equipment | 1,654 | |
| Depreciation - Equipment Depreciation - Intangible assets | 6,413 | |
| Library expenses | 3,010 | |
| | 52,220 | |
| Taxes and dues | 52,220 | |
| Import consumption tax | 69 | |
| | | |

(Unit: Thousand yen)

| | | | Transa | actions | | ome. Thousand yen) | |
|---|-----------------|--|-------------------------|------------------------|--|--------------------|--|
| Category | Received amount | Encumbrance for construction in progress | Encumbrance for patents | Encumbrance for assets | Revenue from Subsidy for operation | Memo | |
| The Granting of Subsidies to the Okinawa Institute of Science and Technology | 17,575,146 | 154,386 | 27,051 | 6,807,432 | 10,586,275 | | |
| Total | 17,575,146 | 154,386 | 27,051 | 6,807,432 | 10,586,275 | | |

Notes: Revenue of Subsidy for operation on the P/L includes 882 thousand yen produced by transferring from Patents(in the process of filing) in the past fiscal year to patent expensese.

11-1.Subsidy for facility

(Unit: Thousand yen)

| | | | Transa | actions | | |
|--|-----------------|--|---------------------------------|--|--------|------|
| Category | Received amount | Encumbrance for construction in progress | Additional paid-in contribution | Deposits received- subsidy for facility | Others | Memo |
| OIST Subsidy for Facility as of March 19, 2013 Lab 3 | 2,539,580 | - | 2,539,580 | - | - | |
| OIST Subsidy for Facility as of April 1, 2014 Infra•enviromental improvement | 89,424 | 89,424 | - | - | - | |
| OIST Subsidy for Facility as of April 1, 2014 R&D cluster building | 37,454 | 37,454 | - | - | - | |
| OIST Subsidy for Facility as of April 1, 2014 Skywalk 3 | 254,998 | - | 254,998 | - | - | |
| OIST Subsidy for Facility as of April 1, 2014 Infra•enviromental improvement | 138,748 | 2,138 | 134,626 | - | 1,982 | |
| OIST Subsidy for Facility as of May 29, 2013 CDC | 156,753 | - | 156,753 | - | - | |
| OIST Subsidy for Facility as of May 29, 2013 Infra•enviromental improvement | 13,428 | - | 13,031 | - | 397 | |
| Total | 3,230,387 | 129,016 | 3,098,991 | - | 2,380 | |

11-2. Other subsidies

(Unit: Thousand yen)

| r | | | | | | | |
|---|-----------------|------------------------|--|-------------------------|--------|------|--|
| | | | Transa | actions | ions | | |
| Category | Received amount | Encumbrance for assets | Deposits received - subsidy (long-term) | Revenue from Subsidy | Others | Memo | |
| Subsidy of reginal cooperation among government, industry and academia for science and technology development | 4,200 | - | - | 4,200 | - | | |
| Subsidy for promotion of university reform | 3,168 | - | - | 3,168 | - | | |
| Total | 7,368 | - | - | 7,368 | - | | |

12. Personnel costs for executives and employees

(Unit: Thousand yen)

| Catagomy | Compensation/Salaries | | | Retirement benefits | | | | |
|------------|-------------------------|-----------|--------|---------------------|-------|--------------|---|-----|
| Category | Amount Number of people | | Amount | | Numbe | er of people | | |
| Executives | (| 1,704) | (| 1) | (| -) | (| -) |
| Executives | | 107,708 | | 3 | | 6,133 | | 1 |
| Employage | (| 66,372) | (| 39) | (| -) | (| -) |
| Employees | | 4,140,935 | | 570 | | 4,714 | | 1 |
| Total | (| 68,076) | (| 40) | (| -) | (| -) |
| Total | | 4,248,644 | | 573 | | 10,847 | | 2 |

Notes: 1. Payments of compensation/salaries and retirement benefits for executives (including part-time executives) are made in conformity with the regulations as follows:

Policy Library chapter 34

2. Payments of compensation/salaries and retirement benefits for employees are made in conformity with the regulations as follows:

Policy Library chapter 34

- 3. Number of people is stated on a yearly average basis.
- 4. Personnel costs on the P/L includes legal welfare costs (433,297 thousand yen) other than the figures in the above table.
- 5. Figures for part-time executives and employees are put in parentheses, which is not included in each total amount.
- 6. Total amounts doesn't include allowance-retirement benefits and allowance-bonuses.

13. Segment information

(Unit: Thousand Yen)

| Category | Research Unit | Research Service | Education | Subtotal | Administration | Total |
|--|---------------|------------------|-----------|------------|----------------|------------|
| Ordinary revenue | | | | | | |
| Tuition fees | - | - | 36,045 | 36,045 | - | 36,045 |
| Subsidy for operation | 4,643,281 | 3,759,406 | 527,169 | 8,929,857 | 1,657,300 | 10,587,157 |
| Subsidy for facility | - | 4,196 | - | 4,196 | - | 4,196 |
| Sponsored research | 123,927 | 1,391 | - | 125,318 | 35,343 | 160,661 |
| Donation | 1,030 | - | 917 | 1,948 | 3,462 | 5,410 |
| Subsidy for others | 4,200 | 3,168 | - | 7,368 | - | 7,368 |
| Reversal of encumbrance for assets - subsidy for operation | 772,048 | 1,226,098 | 21,709 | 2,019,856 | 8,288 | 2,028,144 |
| Reversal of encumbrance for assets - donation | 27,008 | 2,040 | - | 29,048 | - | 29,048 |
| Reversal of encumbrance for assets - donated by Japan government | - | 51 | - | 51 | - | 51 |
| Miscellaneous revenue | 1,468 | 51,083 | 309 | 52,861 | 130,098 | 182,959 |
| Financial revenue | - | 69,146 | - | 69,146 | 2,135 | 71,282 |
| Total | 5,572,964 | 5,116,583 | 586,150 | 11,275,699 | 1,836,628 | 13,112,327 |
| Operating expenses | 5,572,103 | 5,074,989 | 567,950 | 11,215,043 | 1,831,110 | 13,046,153 |
| Net ordinary income | 861 | 41,594 | 18,200 | 60,655 | 5,518 | 66,173 |
| Total assets | 1,555,208 | 49,121,612 | 39,233 | 50,716,053 | 8,375,203 | 59,091,257 |

(Notes to segment information)

(1) Definition of segments and detailed activities

Research unit: Molecular science, neuroscience, promotion of research and development for mathematics and computer science,

the training of researchers, etc.

 $Research\ service:\ Support\ for\ research\ units,\ dissemination\ of\ research\ results,\ etc.$

Education: Matters related to graduate student enrollment and education

(2) Amounts that are not allocatable and categorized as "Administration" are mainly related to administrative divisions as following.

Personnel costs1,013,621 thousand yenDepreciation8,068 thousand yenOthers35,056 thousand yen

(3) Total assets categorized as Administration mainly include:

Cash and cash equivalents 6,100,160 thousand yen Accounts receivable 55,606 thousand yen

(4) Depreciation (directly deducted from equity) and estimated allowance for retirement benefits by segment are indicated below.

(Unit: Thousand Yen)

| | Research Unit | Research Service | Education | Subtotal | Administration | Total |
|--|---------------|------------------|-----------|-----------|----------------|-----------|
| Depreciation (directly deducted from equity) | - | 1,509,482 | | 1,509,482 | - | 1,509,482 |
| Estimated allowance for retirement benefits | - | - | | - | 1,649 | 1,649 |

14. Donation

| Category | Received amount (Thousand yen) | Case | Memo |
|------------------|--------------------------------|------|--|
| Research Unit | 151 | 2 | |
| Research Service | - | - | |
| Education | - | - | |
| Administration | 3,514 | 7 | Donation of goods 3 cases: 2,600 Thousands yen |
| Total | 3,665 | 9 | |

15. Sponsored research

(Unit: Thousand yen)

| Category | Beginning Balance | Received Amount | Sponsored Research Revenue | Closing Balance |
|------------------|-------------------|-----------------|----------------------------|-----------------|
| Research Unit | 3,791 | 134,692 | 114,819 | 23,665 |
| Research Service | - | 8,829 | 8,829 | - |
| Total | 3,791 | 143,522 | 123,648 | 23,665 |

16. Joint research

(Unit: Thousand yen)

| Category | Beginning Balance | Received Amount | Joint Research Revenue | Closing Balance |
|---------------|-------------------|-----------------|------------------------|-----------------|
| Research Unit | - | 38,395 | 37,012 | 1,382 |
| Total | - | 38,395 | 37,012 | 1,382 |

17. Primary assets, liabilities, expenses, and revenues

(1) Cash and bank deposits

(Unit: Thousand Yen)

| Category | Amount |
|---------------|-----------|
| Cash | 388 |
| Bank deposits | 6,099,771 |
| Total | 6,100,160 |

(2) Grant-in-aid for scientific research

(Unit: Thousand Yen)

| Category | Received Amount | Number | Memo |
|---|-----------------|--------|------|
| Scientific research (S) | (6,500) | (1) | |
| Scientific research (3) | 1,950 | 1 | |
| Scientific research (A) | 5,700) | (2) | |
| Belefitine research (11) | 1,710 | 2 | |
| Scientific research (B) | (2,000) | (3) | |
| (-) | 600 | 3 | |
| Scientific research (C) | (20,642) | (18) | |
| 2 | 6,192 | 18 | |
| Challenging Exploratory | (4,000) | (3) | |
| | 1,200 | 3 | |
| Young scientists (B) | (24,100) | (18) | |
| | 7,230 | 18 | |
| Research Activity Start-up | (1,100) | (1) | |
| | 330 | 1 | |
| Grant-in-aid for JSPS fellows | (2,500) | (3) | |
| | 720 | 2 | |
| Scientific Research on Innovative Areas | (1,300) | (2) | |
| | 390 | 2 | |
| Scientific Research on Innovative Areas | (79,681) | (13) | |
| (Research area proposed type) | 22,605 | 12 | |
| | (21,423) | (2) | |
| HFSP Grants | 2,142 | 2 | |
| | - | - | |
| Research Support Allowance | (1,616) | (3) | |
| | - | - | |
| Research Project for Disabled People | (500) | (1) | |
| .,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | - | - | |
| Nansei Islands Special Grant | (1,531) | (1) | |
| | - | - | |
| Fujifilm Green Fund | (2,000) | (1) | |
| , | - | - | |
| Sasakawa Scientific Research Grant | (650) | (1) | |
| | - | - | |
| Total | (175,244) | (73) | |
| | 45,070 | 64 | |

Notes:1. Received amount indicates the amount for administrative activities, and the amount for research activities are put in parenthesis, which is not included in each amount.

2. Subsidized research subjects

Scientific research (S) - Royal Epigenetics: Molecular basis of the extended longevity of reproductives in social insects

Scientific research (A) - Genome scientific analyses of coral-symbiont bio symbiosis

- Extraction of Agricultura tacit knowing by multistage mining combined swarm intelligence type method with mathematical modeling method

Scientific research (B) - Coral population genomics analysis across south-west Pacific ocean

- Artificially-structured coral multilateral analysis of mutualism biological event using zooxanthella symbiosis

- Scientific research (C) Duality and application of random matrix theory - Testing a hypothesis of hierarchical decision making in the striatum
 - Comparative analyses of organelle genomes of endosymbiotic dinoflagellates in corals
 - Information theoretic optimization of internal rewards forreinforcement learning
 - Analysis of Neuronal Mechanism for the critical period in speech development
 - Quantification of spatio-temporal variability in recruitment at hydrothermal vents
 - Regulation of the synchronized chromosome separation mediated by auto-cleavage of separase
 - System design preliminary essay of teaching facilities outside the school on the basis of the latest trend of Korea and the US
 - Many-body quantum walks to study the dynamics of particles in magnetic systems and photonic Mott insulators (Theoretical Physics)
 - Spin superfluidity and magnonics in solid antiferromagnets
 - Functional analysis of BNip1, a protein that transforms vesicular fusion defects into photoreceptor apoptosis
 - Lattice and charge engineering spin ice
 - Three-dimensional structural analysis of oxalate transporter
 - Multidirectional analysis of non-clustered protocahderins in topographic basal ganglia circuits
 - Neural mechanisms of sensorimotor learning in songbird
 - Development of neural function circuit imaging

Challenging Exploratory - Randomized Control Trial of Parenting Training Program

- Exploring stress responsible genes in corals

- Establishment of the funsctional analysis method of cis-regulatory modules using CRISPR-Cas9 system

- Young scientists (B) Development of network infostructure for large scale modeling in neuroscience
 - Role of condensin on mitotic gene regulation and chromosome segregation
 - Analysis of molecular and genomic interaction in the symbiotic system betwen green hydra and chlorella.
 - The regulation of the CCR4-NOT deadenylase complex in obesity through mRNA degradation
 - Regulation of Histone H3K9 demethylase in higher plant
 - Research on the mechanisms of PKG-dependent synaptic vesicle endocytosis and its developmental change
 - Taxonomy and life history of sicydiine goby in northwestern Pacific
 - Development of orthology identification pipeline for the actinopterygian phylogenetics using genome data
 - Elucidation of dynamics and connectivity in marine species at multiple scales for coastal ecological conservation in the Nansei Islands
 - Reproductive specific network model for lincRNAs in rice
 - Modeling and experimental investigation of Bayesian-based computational in cortex
 - The role of 5-HT receptor during the self control behavior for the future reward
 - Analysis of a transcription control system deciding the pathogenicity of the Th17 cell
 - Development of an intelligent dynamic docking pipeline for improving molecular docking simulations
 - Solid solvents for organic solar cells
 - Theoretical study on topological defects in quantum magnets
 - Visualization of single synaptic vesicle recycling process in cultured calyx oh Held
 - Study on the connectome and functions of neural circuits using genetically encoded tags

Research Activity Start-up - Structural analysis of filovirus riboncleoprotein complex

- Grant-in-aid for JSPS fellows ChIP-seq approaches for the evolutionary process of notochord from blastopore
 - Thermal adaptation of mitochondria
 - Analysis of cerebral plasticity and development of cerebral plasticity promotion by longitudinal brain imaging

Scientific Research on Innovative Areas - Research and development of a software platform for integrative multi-level systems biology

- Development of the next-generation simulation platform for multilevel physiological functions

Scientific Research on Innovative Areas - Continued development of a comprehensive computational platform for systems biology

- (Research area proposed type) Promotion of the research on the neural computation mechanisms for prediction and decision making
 - Elucidation of the neural network dynamics for prediction and decision making
 - Enamine-based organocatalytic molecular transformations: Development of highly efficient catalysts
 - Structural analysis of the mRNA decay machinery

- Development of efficient amine-based catalyst systems

- Comparative genomics of endosymiotic and photosynthetic apicomplexans in corals
- Decoding of cortical column algorithm from a thousand neurons recorded with two-photon microscopy
- Unified framework of linearly solvable control in paritally observale environments
- Effect of reward magnitude and uncertainty on the role of serotonin in the reguration of patience
- Neuronal representation of state prediction for upcoming decision making
- Behavioral state control of auditory memory formation in zebra finch song learning.
- Non-invasive imaging technique for measuring neural circuit activity

HFSP Grants - The striatal cholinergic system and attention for learning; from neurotransmission to personality

- Foot in motion: materials, mechanics and control

Research Support Allowance - EAPSI:NSF East Asia and Pacific Summer Institutes (EAPSI) for FY2014

- Network multiplexing : unpicking the neural code

- Nanoparticle synthesis for sensing application

Research Project for Disabled People - Establishment of acoustic system extraction method using DTI and its clinical application research Nansei Islands Special Grant - Conservation genetic study in multiple scales for reef-building corals inhabit the Nansei Islands

Fuiifilm Green Fund - Research on new larva of hermatype and biodiversity and genetical group structure at the middle of the Ryukyu Chain

Sasakawa Scientific Research Grant - Elucidation of behavioral flexibility related neural basis