Incentive Program for Qualitative Research Publication Achievements
National Science and Technology Council (NSTC)
Core Facility Service Center Program for Basic Research

Last Updated: 2025/03/14

In response to the restructuring of NSTC programs, starting from 2021, we have established the "Incentive Program for Qualitative Research Outcomes from Academic Publications." Annual qualitative research outcomes by users will serve as the basis for rewards in the following year. The more outcomes generated using instruments, the greater the rewards. Let's work together for a win–win result!

Based on the academic performance reported in the NSTC—The Instruments Information System, the types of qualitative outcomes and corresponding reward measures are defined as follows:

Reward Criteria

Criteria	Instrument Expert or Technician as Co-Author*	Acknowledgment**	Remarks
Impact Factor < 5 or Ranking > Top 10%	10 points	2 points	*Co-authorship requires substantial contribution. **Acknowledgment refers to mention in the Acknowledgment section, Materials and Methods, or text of the article. Please refer to the acknowledgment example below.
Impact Factor ≥ 5 or Ranking ≤ Top 10%	25 points	5 points	

Notes:

- **Academic Performance Data Source**: Extracted from the Instruments Information System report at the beginning of each year, based on the previous year's records. Points are calculated according to the above reward table upon confirmation of accuracy.

- **Calculation of Reward Points**: Points are calculated per project PI (Principal Investigator). Total points per person are summed from all qualifying publications.
- **Calculation of Monetary Rewards**: A portion (maximum 10%) of the previous year’ s total service revenue is allocated as the reward fund. The monetary value per point is derived from dividing the fund by the total reward points of the year. Each PI's reward amount is then calculated by multiplying their personal points by the value per point.
- **Usage of Reward Funds**: Can be used to offset instrument usage fees for completed experiments (any year or instrument). PIs can decide whether to use the rewards and for which reservation numbers. Please email the offset details to the program contact.
- **Example Calculation**

  If a PI’ s reported outcomes for 2020 included:
  One acknowledgment in a paper with IF < 5 → 2 points
  One acknowledgment in a journal ranked Top 10% → 5 points
  One co-authorship in a paper with IF ≥ 5 → 25 points
  Total Points = 2 + 5 + 25 = 32 points

  If the total academic reward points for the 2020 program year were 8,100 points, and NT$1,000,000 was allocated as the reward fund, then:
  Reward per point = NT$1,000,000 ÷ 8,100 ≈ NT$123
  Total reward for this PI = 32 × NT$123 = NT$3,936
- **Acknowledgment Example:**

  The authors gratefully acknowledge the use of Instrument ID of Project Number belonging to the Core Facility Center of National Cheng Kung University.

Year	Project Number
2025	NSTC 114-2740-M-006-001
2024	NSTC 113-2740-M-006-002
2023	NSTC 112-2740-M-006-001

No.	Instrument	ID
1	Elemental Analyzer	EA000600
2	Analytical Field Emission Scanning Electron Microscope	EM000600

3	Multi-Function Environmental Field Emission Scanning Electron Microscope with EDS and EBSD	EM000700
4	High Resolution Transmission Electron Microscope	EM000800
5	Liquid Cell Transmission Electron Microscope	EM000800A
6	High Resolution Scanning Electron Microscope	EM003600
7	Advanced Focused Ion Beam System	EM025200
8	Multifunctional Low-Voltage Transmission Electron Microscope	EM025800
9	Scanning Probe Microscopy-Scanning Electrochemical Microscopy	EM025900
10	Ultra High Resolution Scanning Electron Microscope	EM026200
11	Electron Spectroscopy for Chemical Analysis	ESCA000200
12	X-Ray Photoelectron Spectroscopy (XPS)	ESCA003700
13	Helium Liquefier System	HLS000100
14	Inductively Coupled Plasma-Mass Spectrometer	ICP000400
15	High Resolution TOF-Mass spectrometer	MS000400
16	High Resolution Orbitrap Mass Spectrometry Coupled with Liquid Chromatography/Microchip Electrophoresis	MS004000
17	Bruker Avance III HD Solid State NMR	NMR000800
18	600MHz Nuclear Magnetic Resonance Spectrometer	NMR001900
19	Nuclear Magnetic Resonance 500MHz	NMR005000
20	700MHz high magnetic field superconducting nuclear magnetic resonance spectrometer	NMR005700
21	Transient Absorption Spectrometer	OTHER003700
22	Electron Beam Evaporation Deposition System	SEMI004100
23	ICP RIE System, Chlorine base	SEMI004200
24	Electron Beam Lithography System	SEMI004300

25	Superconducting Quantum Interference Device Vibrating Sample Magnetometer	SQUID000200
26	Physical Property Measurement System 16T	SQUID001200
27	Multipurpose High intensity X-Ray Thin-Film Micro Area Diffractometer	XRD001900
28	Single-Crystal X-Ray Diffractometer	XRD003100
29	Single-Crystal X-Ray Diffractometer-High Pressure Service	XRD003100A
30	High Temperature 2D X-Ray Diffractometer	XRD005100

Contact Person:
Ms. Yi-Hua Sung
Email: em61351@ncku.edu.tw
TEL: 06-2757575 ext. 31370 or 06-2383620