National Science and Technology Council Grant Proposal

I. General Information

Application Number:

Type of Project (choose one)	**Recruitment of Research Scholars and Implementation of Specific-topic Research Projects**				
Mode of Research	☐ Individual Research		☐ Integrated Research		
Department for Proposed Area of Research	☐ Dept. of Natural Sciences and Sustainable Development ☐ Dept. of Life Sciences		☐ Dept. of Engineering and Technologies ☐ Dept. of Humanities and Social Sciences		
Institution/Department					
Principal Investigator (PI)		Position		Identification Number	
Research Project Title	Chinese				
	English				
Integrated Research Project Title					
Chief Investigator of Integrated Research Project		Identification Number			
Project Period	From to (MM/DD/YY)				
Project Discipline	Discipline Code	Discipline			

***Please evaluate your current workload and availability before applying for a new NSTC project.**
Number of grant proposals submitted this year (including pre-approved projects and excluding proposals submitted by co-PIs): _____
Of all grant proposals submitted this year (as indicated above), indicate priority ranking for this proposal (do not repeat ranking):

Is this project supported by other institutions at the same time? ☐ No ☐ Yes (Please complete Form CM05)

Is there any experience of executing research projects not subsidized by the NSTC within the past three years?
☐ No ☐ Yes (Please complete Form CM14-1)

Is this an international joint research?
☐ No ☐ Yes, cooperating countries: (Please complete Forms IM01~IM03)

Does this project require the use of ocean research vessels?
☐ No ☐ Yes (Please complete Form CM15)

1.Does this research project include the following? (Check as applicable and attach relevant consent forms.)
☐ Human Subject Research / Human Trial ☐ Human Embryo/ Human Embryonic Stem Cell
☐ Gene Recombination ☐ GMO Field Trial ☐ Microbes in Risk Group 2,3,4 ☐ Animal Studies (Must also attach the checklist for animal experiment planning and 3R assessment)
2.This project is a behavioral science research for Dpt. of Humanities & Social Sciences ☐Yes (Please attach the certification of sending the project for research ethics review) ☐No
3 Does this project involve human subject research or human trial research? ☐Yes (Please attach the checklist for considering sex as a biological variable in research, Form CM16) ☐No

Does this project require the use of high performance computing resource?
☐ No ☐ Yes (Please complete Form CM17)

Contact Information	Name: Telephone: (Office) (Home/Mobile)		
Mailing Address			
Fax Number		E-mail	

II. Keywords and Abstracts (Chinese and English)

List keywords and summarize the main points of this grant proposal.

1.Abstract in Chinese (maximum 500 characters).

2.Abstract in English (maximum 500 words).

Please outline the objective of your research proposal and its potential impacts on society, economy, and academic development (maximum 300 words). ※This section will be published on the NSTC website after the approval of this project.

III. Contents of Grant Proposal (written in Chinese or English):

1. Research project's background: Describe in detail the intended issues to be investigated or resolved, research originality, significance, anticipating impact, status of domestic or foreign research related to this project, and bibliography of major reference materials, etc. For continued projects, describe the progress of the research from the prior year.
2. Methods, procedures, and implementation schedule: Describe for each year--
   (1)Research principles, methods, and the innovation of research methods.
   (2)Anticipated problems and means of resolution.
   (3)Support for use of major instrumentation.
   (4)If applying for travel expenses for Mainland China and international destinations, describe necessity and anticipated results.
3. Anticipated results and achievements: Describe for each year--
   (1)Anticipated research tasks to be carried out.
   (2)Potential training to be gained by personnel participating in this project.
   (3)Anticipated research outcomes (Ex: practical applications Journal articles, conference papers, monographs, technical reports, patents or technology transfer in quality or in quantity).
   (4)Potential contribution to academics, national developments, or other applications.
4. Integrated research project: State overall relevance with other sub-projects for each point listed above.

IV. Integrated Research Project:

(To be completed separately for each year by Principal Investigators of Main and Sub-projects)

1. Integrated Research Project Categories:

Categories	Principal Investigator	Institution/ Department	Position	Research Project Title	Budget Requested (NT)
Main Project					
Sub-project 1					
Sub-project 2					
Sub-project 3					
Sub- project 4					
Sub- project 5					
. .					
Total for Each Year					

2. Describe Integrated Research Project on separate pages for each item below:
   (1) Necessity of integrated research: describe overall goals, work division and collaboration scheme, relevance among sub-projects, and degree of integration among sub-projects.
   (2) Personnel capabilities: describe the chief investigator's abilities in coordination and leadership, and each sub-project PI's specialization strengths and teamwork potential.
   (3) Integration of resources: describe the sharing of instruments among sub-projects, and the interchange of research experiences and results.
   (4) Any support from proposing institution or other organizations.
   (5) Anticipated results or contributions of integrated research.

3. For an Integrated Research Project involving Human Subject Research, Human trial, Human Embryo and Human Embryonic Stem Cell Research, the form "Description of Integrated Research Project Involving Human Subject Research, Human trial, Human Embryo and Human Embryonic Stem Cell Research" (Form CM04B) must be additionally completed. Please merge this form with the supporting material of approval documents of the sub-projects into a single PDF file, place Form CM04B as the first page on the file, and upload it to the NSTC project application system.

Description of Integrated Research Project Involving Human Subject Research, Human trial, Human Embryo and Human Embryonic Stem Cell Research

1. This Integrated Research Project (Main Project Title: _____) involves the following research/trials, and application has been duly submitted to the Institutional Review Board (IRB)/Ethics Committee in accordance with regulations.
   ☐Human Subject Research / Human Trial
   ☐Human Embryo and Human Embryonic Stem Cell Research
2. The Lead Principal Investigator of the Integrated Research Project shall provide a unified description of the status of the ethics committee approval documents for the integrated project team. (Mandatory)

(Please provide description here)

Instructions for Completion:

(1) If multiple sub-projects within the Integrated Research Project team involve human subject research, human trial, human embryo and human embryonic stem cell, the Lead Principal Investigator shall provide planation for each item individually.

(2) The project title on the approval documents should be consistent with the Main Project Title. If the approval document is for a sub-project, the title should include the name of Main Project.

(3) This description should be limited to one A4 page in principle. Please merge this with the approval documents of supporting material of the sub-projects into a single PDF file, place this page as the first page, and upload it to the NSTC project application system.

V. Requested Budget for Entire Term of Project Period:

1. For “personnel,” “consumables,” “equipment,” “hosting expenses for foreign researchers,” “travel expenses for international destinations-joint research & overseas studies” and “travel expenses for international destinations-international conferences,” enter the totals as calculated in Forms CM07, CM08, CM09, CM10, CM11 and CM12\CM12-1, respectively.
2. Overhead refers to expenses incurred by the institution in executing this project. This item will be automatically calculated (according to the NSTC’s overhead funding total and the proposing institution’s ratio for overhead funding), do not enter this item manually.
3. In accordance with the “Regulations Governing the Recruitment of Visiting Science and Technology Personnel with Subsidies from NSTC,” enter the number of doctoral research fellows needed for each year and submit the "Doctoral Researcher Subsidized Recruitment Quota/Manpower Hiring Application Form" (CIF2101、CIF2102) along with the research proposal. If only the proposed number of doctoral research fellows has been approved, the PI must then comply with NSTC regulations and provide sufficient information on the proposed doctoral research fellows for review. Doctoral researcher fellows can work on the proposed project only after NSTC approval.
4. In case of support from the proposing institution or other organizations (including ~~industrial~~ support from domestic and foreign, Mainland China, Hong Kong and Macau), attach relevant documents or evidence of support.

Currency unit: NT Dollars

Budget Categories \ Project Year		First year from __/__to__/__ (MM/YY)	Second year from __/__to__/__ (MM/YY)	Third year from __/__to__/__ (MM/YY)	Fourth year from __/__to__/__ (MM/YY)	Fifth year from __/__to__/__ (MM/YY)
General Expenses						
Personnel						
Consumables						
Hosting Expenses for Foreign Researchers						
Equipment						
Travel Expenses for International Destinations						
Joint Research & Overseas Studies						
International Conferences						
Explorative visits & Inspection(s)						
Overhead						
Total for Each Year						
Doctoral Research Fellow(s)	Domestic or Foreign	____ persons	____ persons	____ persons	____ persons	____ persons
	Mainland China	____ persons	____ persons	____ persons	____ persons	____ persons

Indicate support from the participating institutions or other organizations (including ~~industrial~~ support from domestic and foreign, Mainland China, Hong Kong and Macau). Leave space blank if not applicable.

Supporting Institution	Items Funded (Personnel, Equipment, etc.)	Amount of Funding	Funding Period	Evidence of Support

VI. Key Professional Personnel:

1. Indicate "staff type" in the following order: principal investigator (PI), collaborating principal investigator (co-PI), assistant investigator, and doctoral research fellow.

Staff Type	Name	Institution/ Department	Position	Role in Project	Percent of Effort*

**Percent of effort is defined as the percentage of the hours devoted to this project to the total working hours per week. For instance, 50% means this individual will devote a half of his/her working hours to this research project each week.*

2. If you are requesting funds for doctoral research fellows in accordance with the "Regulations Governing the Recruitment of Visiting Science and Technology Personnel with Subsidies from the NSTC," please also complete Forms CIF2101 and CIF2102 (If a candidate for postdoctoral research fellow has already been selected, provide candidate's name and attach personal information forms (Form C301 through C303)).
3. In accordance with "Terms for Hiring Contract Research Personnel in NSTC-Granted Research Projects," please propose and list necessary information on Item VII (Form CM07).

VII. Personnel:

1. In accordance with "Terms for Hiring Contract Research Personnel in NSTC-Granted Research Projects" and institutional regulations, provide an estimate of the research budget needed for recruiting full-time staff, part-time staff and temporary staff required to execute this research project. Please also indicate each person's role and definite work items and scopes in this research project for evaluation. Doctoral students can also apply to become full-time staff members.
2. Complete the table with separate pages for each year.

Currency unit: NT Dollars

Category	Budget	Please indicate the role and definite work items and scopes in this research project
Total		

VIII. Consumable Expenses:

1. Complete this form for all consumables (excluding research equipment), books and miscellaneous expenses needed for executing this research project.
2. For "description," indicate product specifications, functions, and relevant information.
3. If proposing institution provides support or funding, indicate in "remarks" column.
4. Complete the table with separate pages for each year.

Currency unit: NT Dollars

Item	Description	Unit ("Piece," "Ream," "Batch", "Box," etc.)	Quantity	Unit Price	Amount	Remarks
Total						

IX. Hosting Expenses for Foreign Researchers

1. For implementing research projects including international joint research projects, spending for hosting scholars/researchers from abroad or mainland China is allowed to be included. For Nobel Laureate invitee, please apply separately following the guideline listed under Short-term Visiting Program for Foreign Scientists.
2. Please state the purpose, the necessity and itinerary of the visiting program.
3. Please list the names of expected visitors, their duration of stay, and required budget. Attachment (in PDF format) includes CVs and their acceptance letters of visitors. Please provide separate description for invitee coming to Taiwan more than 8 days. In case that sending parties should bear international airfare and living expenses of their own visitors in Taiwan as agreed through bilateral arrangement, please do not include the spending.
4. Please refer to the following website for information about amount of funding regarding international airfare, daily allowance and others.（https://law.nstc.gov.tw/LawContent.aspx?id=GL000497）
5. Fill in separate pages for each year.

Currency unit: NT Dollars

Category	Name/Title (Chinese/English)	Nationality	Institution /City	Duration of Stay	Travel Budget			
					Living Expenses	International Airfare	Others	Subtotal
Total								

※ The purpose, the necessity and itinerary of the visiting program:

※ Reasons for visitors staying over 8 days:

X. Equipment Expenses:

1. Complete this form for necessary equipment directly related to this research project costing over NT$10,000 with service life over two years. Indicate subtotals for each piece of equipment in the "Amount" column.
2. Attach price appraisal form for equipments above NT$200,000.
3. If proposing institution or another organization provides funding for equipment, indicate supporting institution and amount funded.
4. For each piece of instrument or equipment costing NT$600,000 and above, attach important documents and indicate specifications and functions (including sensitivity, accuracy, etc.), important features, and significance for this project. If funding for this equipment is granted, the PI should maintain it and allow other researchers outside this research project to make full use of it, provided that such use does not interrupt the research work described in this proposal.
5. If the principal investigator, when carrying out this research project, wishes to apply for the purchase of a large-scale equipment of unit price of or above NT$ 10,000,000, please fill out form CM10-1. If a subsidy of or above NT$ 10,000,000 has been approved by this Council for the said piece of equipment, a separate planned project will be granted, and the principal investigator should follow the management and assessment regulations of large-scale equipments of this Council.
6. The PI should upload the information of the large-scale equipment in form CM10-1 to the NSTC's web site(https://www.nstc.gov.tw/folksonomy/instrument?l=ch_r) once the instrument is approved and funded.
7. Complete the table with separate pages for each year.

Currency: NT Dollars

Type	Equipment (Chinese/English)	Description	Quantity	Unit Price	Amount	Funding Requested From	
						NSTC	Other Institutions
Total							

National Science and Technology Council
Grant Proposal of Large Instrument

I. General Information

<table>
<tr><td colspan="2">Project Term</td><td colspan="3">From to （MM/DD/YY）</td></tr>
<tr><td colspan="2">Institution/Department</td><td colspan="3"></td></tr>
<tr><td colspan="2">Principal Investigator(PI)</td><td></td><td>Position</td><td></td></tr>
<tr><td rowspan="2">Research Project Title</td><td>Chinese</td><td colspan="3"></td></tr>
<tr><td>English</td><td colspan="3"></td></tr>
<tr><td rowspan="2">Instrument Name</td><td>Chinese</td><td colspan="3"></td></tr>
<tr><td>English</td><td colspan="3"></td></tr>
<tr><td colspan="2">Person in charge of Instrument</td><td></td><td>Position</td><td></td></tr>
<tr><td colspan="2" rowspan="2">Research Project Discipline which this is affiliated with (ref: “Discipline Code Table”)</td><td>Discipline Code</td><td colspan="2">Discipline</td></tr>
<tr><td></td><td colspan="2"></td></tr>
</table>

Applicant, PI (Signature): Date:

Dean of Research and Development (Signature): Date:

President (Signature): Date:

II. Budget Request:

i. Any budget request for an instrument, which unit price is equal or over ten million NTD, must be directly affiliated with the PI's research project. Please fill out the corresponding "subtotal" with the sum for peripheral apparatuses listed.

ii. A quotation is required for each intended purchase.

iii. Please provide the name of institute, the amounts of matching fund, and the documentary proofs for each matching fund item.

Unit: NTD

Category	Instrument/ Device (in Chinese/English)	Description	Quantity	Unit Price	subtotal	Budget Request	
						Fund from NSTC	Matching funds from others (please include institute name and the amount)
Total							

Matching funds from others(go to the next page if none): matching funds should be listed with discretion (the matching funds listed below shall have first priority in use)

Institute	Matching Item	Matching Amount	Executive year	Documentary proof

III. **Instrument Introduction** (please describe specifications, funtions, and applications of instruments, auxiliary parts, and peripheral apparatus)

IV. **The association between the instrument and research project** (Please state the need, necessity and urgency of this purchase in detail)

V. **Survey of domestic instruments** (Please provide the current number of divices with identical functions and their operation status)

VI. **Project PI's expertise in relation with the instrument** (research achievement and experiences with the same or similar instruments)

VII. **Instrument operation planning within the project term**

VIII. **Planning of instrument maintenance and management**

IX. **Space Arrangement** (Please describe the location, space, and vicinity, etc.)

X. Post-project maintenance and operation strategy (Please state any plans for research and/or service purposes)

XI. **Training program for instrument operation and maintenance** (Please list student trainees, full-time and part-time technicians, operation schedules, and training courses)

XII. **Other applications and potential users of the instrument**

XIII. **Experiences on NSTC instrument operation and management**

XI. Travel Expenses for International Destinations-Joint Research & Overseas Studies:

1. Principal Investigators and relevant personnel involved in project may apply funding for carrying out international joint research, field study, experiment, survey, samples collection, and use of research facilities overseas.
2. Describe the itinerary, proposed budget, duration, and destination for each person traveling abroad. In case that receiving parties should bear the living expenses of visitors from abroad as agreed through bilateral arrangement, please do not include the spending.
3. Amount of funding provided for subsistence, airfare and other expenses for international travel can be found at the following website: http://law.dgbas.gov.tw/LawContent.aspx?id=FL020312
4. Convert all currencies into NT dollars and specify exchange rate.
5. Fill in separate pages for each year.

XII. Travel Expenses for International Destinations-International Conferences:

1. Principal Investigators and relevant personnel involved in project may apply international travelling expenses for attending international academic conference held overseas.
2. Describe the nature of conference, proposed budget, venue and duration.
3. Please refer to the following website for information about amount of funding regarding international airtickets, daily allowance and others.
   (https://law.dgbas.gov.tw/LawContent.aspx?id=FL017584)
4. Briefly describe any participation in international conferences in the past three years. Indicate conference title, dates, venue, sponsoring organization, and title of conference paper presented therein. For any publications resulting from the conference, provide name of journal or publication, volume, page number, and date of publication.
5. Fill in separate pages for each year.

XII-I. Travel Expenses for International Destinations- Explorative visits & Inspection(s):

1. Principal Investigators and relevant personnel involved in project may apply international travelling expenses for attending explorative visits and inspection(s).
2. Describe the nature of conference, proposed budget, venue and duration.
3. Please refer to the following website for information about amount of funding regarding international airtickets, daily allowance and others.
   (https://law.dgbas.gov.tw/LawContent.aspx?id=FL017584)
4. Convert all currencies into NT dollars and specify exchange rate.
5. Fill in separate pages for each year.

XIV. All the conducted projects granted by the NSTC within the past three years

Title of Research Project (For NSTC grant applications, indicate grant number)	Role/ Position	Duration (MM/YY~ MM/YY)	Funding or Sponsoring Institution	Project Status	Total Expenses

XIV. All the conducted projects not granted by the NSTC within the past three years

List all the conducted projects not granted by the NSTC within the past three years (including Mainland China, Hong Kong and Macao etc.).

Title of Research Project	Role/ Position (PI、co-PI or other)	Duration (MM/YYYY~ MM/YYYY)	Funding or Sponsoring Institution	Country	Project Status	Total Expenses

XV. Ocean Research Vessel Request Form

Project Title	
Undertaking Department/Institute	
Principal Investigator	Name： Title：
Project Duration	
Title of the Integrated Project, if applicable.	

Ocean Research Vessel Request

(For multi-year project, please fill in the request year-by-year)

Execution Year/Number of Days	Research Vessel (NOR1, NOR2, NOR3, Legend)	Cruise Investigation Content	Operation Areas (a map with clear indication of lat. & long. is required)	Working in Political Overlapping or Sensitive Waters (Y/N)
e.g. 113/25				

First-year Subtotal Request：NOR1 days, NOR2 days, NOR3 days, Legend days

Multi-year Total Request：NOR1 days, NOR2 days, NOR3 days, Legend days

Contact Person: Signature:

☐ I have submitted the marine data acquired from my previous NSTC funded research project to ODB. (Please attach the proof issued by Ocean Data Bank)

☐ I have provided ~~a~~ the cruise plan with maps by using ODB's planning tool at website of http://odbwms.oc.ntu.edu.tw/odbintl/rasters/cplan/.

Signature of the Principal Investigator:

Telephone Number: Fax Number:

Date:

XVI. Checklist for considering sex as a biological variable(SABV) in research

PRINCIPAL INVESTIGATOR INFORMATION			
First Name (& Middle Name):		Last Name:	
Organization Name:		Position/Title:	
Project Title:			
If the proposed project involves human subject research or human trial, please fill out the "Checklist for considering sex as a biological variable in research" and attach it to the proposal.			

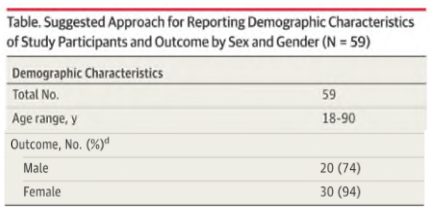
No.	Item	Checked & Descriptions (If the space in the form is not enough, feel free to add an explanation in any format)
1	What are the research objects of this proposal? (e.g., disease, health condition, or phenomenon)	
2	Do you recruit/include research participants of different sexes or use human specimens of different sexes?"	□ **Yes.** 【Continue to No.3】 □ **No.** It's a single-sex study because the research objects relate to sex-specific phenomena, conditions, or diseases (e.g., menstrual cramps, ovarian or prostate cancer). 【CM16 Completed】 □ **No.** The reason for adopting a single-sex study design: _____ _____ 【CM16 Completed】
3	According to the literature review, do the research objects of this proposal (e.g., disease, health condition, or phenomenon) show sex differences?	□ **Yes.** There are known sex differences. □ **No.** The previous studies showed no differences between males and females. □ **Unknown.** There are no relevant studies. 【Continue to No.4】
4	Will the sex of the research participants or the human specimens be recorded?	□ **Yes.** Sex is the variable collected in this study. 【Continue to No.5】 □ **No.** The reason is: _____ _____ 【CM16 Completed】
5	Do you plan to report the results according to different sexes? (e.g., Clayton & Tannenbaum, 2016, JAMA) 	□ **Yes.** This proposal will report the results according to different sexes. □ **No.** The reason is: _____ _____ 【CM16 Completed】

Table. Suggested Approach for Reporting Demographic Characteristics of Study Participants and Outcome by Sex and Gender (N = 59)

Demographic Characteristics	
Total No.	59
Age range, y	18-90
Outcome, No. (%)[d]	
Male	20 (74)
Female	30 (94)

Guidance for completing form CM16

【Terms】

1. **Human trial:** According to Medical Care Act article 8(I), human trial refers to experimental research of new medical technology, new medicament, new medical implement, or the bioavailability and bioequivalence of generic drugs conducted by medical care institutions on humans based on medical theory.
2. **Human subject research:** According to Human Subject Research Act article 4(I)-1, human subject research involves obtaining, investigating, analyzing, or using human specimens or an individual person's biological behavior, physiological, psychological, genetic or medical information.
3. **Sex:** Sexes are defined by the biological attributes in humans and animals, primarily according to functions that derive from the chromosomal, reproductive organs, specific hormones, or environmental factors that affect the expression of phenotypic traits in sexually reproducing organisms. In humans, sex is usually categorized as female or male.
4. **Gender:** A concept that refers to socially constructed roles, behaviors, expressions, and identities. Apart from the binary concept of girls/women and boys/men, other types of gender identity (gender-diverse person) have been recognized.

【Instructions for each question】

N0.	Item	Instructions
1	What are the research objects of your proposal? (e.g., the phenomenon, condition, or disease under your proposal)	This question aims to help researchers and reviewers quickly understand whether the study is relevant to both sex groups. It's usually possible to find it from the title of the project.
2	Are both sexes (human participants or human specimens) included in your proposal?	(1) This question reminds researchers that both sexes should be included if the study is relevant to both sex groups. It's usually described in the "sampling" or "inclusion/exclusion criteria" of the study design. (2) The scientific justifications should be provided if the study includes only one sex. Such justifications may include: ● Study sex-specific phenomena, conditions, or diseases (e.g., ovarian or prostate cancer) Check the first "No" box. ● Scarce resources Check the second "No" box and explain why. ● Investigations in which the study of one sex is scientifically appropriate Check the second "No" box and explain why. (3) The absence of evidence regarding sex differences DOES NOT constitute a scientific justification.
3	Based on your literature review related to the research objects, are there differences between males and females?	This question encourages researchers to conduct a literature review sufficiently to understand the impact and dynamics of sex variables in relevant research fields and topics.
4	Are the sex of human participants or human specimens documented?	(1) If the study includes both sexes, in most cases, the sex data of the human participant or specimen will be recorded; therefore, the "Yes" box will be checked. (2) If the study does not record sex information, researchers are encouraged to explain why.
5	Do you plan to report the results according to different sexes?	(1) This question aims to make the researchers commit to reporting sex-disaggregated data in the future when funding is granted. (Transparency & Reproducibility) (2) The table is just an example; researchers can choose the format according to the journal or the academic rituals, as long as the data are presented separately by different sex groups.

Ps. The form CM16 checks consideration for "sex" only. However, there may be situations other than male and female (e.g., intersex). If this makes it difficult to complete this form, researchers are encouraged to explain how the sex variable is measured or defined in the study.

XVII. Request for Use of High Priority Computing Resource

Institution/Department	
Principal Investigator	Name： Title：
Research Project Title	
Contact Information	Name: Telephone: (Office) (Home/Mobile)
E-mail	
Project Duration	
High Priority Computing Resource Request (Please fill in the request year-by-year)	
Number of cores per task(core)	
Walltime of a single task(hr)	
Number of task	
core-hr	
Utility Charges (NTD)	

Describe in detail for each item below:

1. Numerical method.

   Category of numerical method

   ☐ Mesh ☐ Particle ☐ Other

   Category of computational bound

   ☐ Computation ☐ Memory ☐ I/O

   Name of Software : _____

2. Execution planning.

3. Necessity for HPC resource

4. Feasibility Assessment

5. Scalability Assessment

6. Others.

   Storage demand (TB) : _____

   Memory demand (GB/core) : _____

PS. Applicant should still take the utility charges into consideration in the budgeting of CM08. List in separate tables for each year.

Please refer to the iService website for details. (https://iservice.nchc.org.tw)

International Joint Research

I. General Information:

Application Number: [ ]

1. International collaborative research projects refer to cooperation with overseas researchers which may lead to publishable research results or potential patent rights.
2. If the sponsoring organization at the cooperating institution has a bilateral agreement with the NSTC, please select from this form; otherwise, please indicate the sponsoring organization's full name (do not use abbreviations).
3. Please indicate the status of research project at the cooperating institution as of the time of submitting this domestic proposal. Evaluations will be based on the actual information provided on this form.

Principal Investigator		Institution	
Collaborating Countries	☐Single country: _____ ☐Multiple countries, main country: Other Countries: 1._____ 2._____ 3._____ 4._____		
Title of International Project	Chinese		
	English		
Principal Investigator at Cooperating Institution	Name (English):_____ (Chinese): _____ Title (English):_____ Tel:_____ Fax:_____ E-mail：_____ Institution (English): _____ (Chinese): _____		
Sponsoring Organization at Cooperating Institution	☐ Organization having bilateral/multilateral agreement with NSTC (select): ☐ Other, name of organization (English): ☐ None		
Status of Research Project at Cooperating Institution	☐ Under review ☐ Authorized, total amount (convert to NT) $ _____ thousand, for _____ years. Entire Project duration: From to (yyyy/mm/dd) ☐ None		
Mode of Cooperative Research (Check as applicable)	☐Taiwanese personnel travel abroad for research ☐Foreign personnel travel to Taiwan for research ☐Personnel from all sides travel to a third country for research ☐Taiwanese personnel travel abroad to access valuable instrumentation or equipment Equipment (please specify): _____ Site (country/city/institution): _____		
Type of Cooperative Research (Check as applicable)	☐Data collection sharing ☐Research information exchange ☐Model of theory establishment and inspection ☐Data induction or deduction ☐Device or product design ☐Others (please specify) _____		
Copyright	☐ Not included ☐Settled (check all that apply): ☐Joint publication of research results ☐Joint application for patent rights ☐Technology transfer		

II. Abstract of International Collaborative Research Projects:

【Important Reminder】

If you are applying a bilateral joint research, including add-on, international cooperation project, and a common application form has been established and attached in the NSTC's online announcement, please upload the common document PDF file to Form IM02 according to the requirements of the call for proposals, no more than 50 pages. There is no need to prepare separate abstracts as described in items (1) to (6) below. If the common form is not used when applying for the bilateral joint program, it will be treated as an ineligible application.

Additionally, please fill in the research content, primarily from the perspective of the Taiwanese team, on form CM03, no more than 30 pages. (Applicants for bilateral add-on joint research projects do not need to complete Form CM03.)

1. Briefly state the significance and aim of project.
2. Describe in detail the division of labor. Additionally, please merge the following documents, including (a) cooperating institute's project abstract, (b) English application form for bilateral international project, (c) cooperating principal investigator's CV, and (d) any other reference materials drafted or signed by both sides, into one PDF file and upload from the I004 section for review.
3. If the sponsoring organization at the cooperating institution does not have a bilateral agreement with the NSTC, please provide the organization's website address or any background information.
4. If the project is a part of an NSTC Program Plan or a Project Plan, indicate the role and status of project within the Program Plan or Project Plan.
5. Applicants planning to travel abroad in order to utilize special large-scale or valuable equipments must indicate in detail the necessity of the equipment, as well as the equipment name, institution, and address of institution.
6. Describe the method and aim of research, and equipment use for each research personnel.

Ⅲ. Cooperation history with the overseas researchers

1. □ the first collaboration,□ ever cooperated before, □ others:
2. The collaboration direction and areas will bring about □ complementary, □ synergistic effect. (Multiple choices)
3. Cooperation results done and ongoing (fill in collaborative results in free format, no more than 300 words):

Ⅳ. International Cooperation experiences of Principal Investigator

1. NSTC's grants obtained in the past 5 years (fill with numbers):
   □Bilateral seminars: times, cooperating country:
   □Exchange visit: times, cooperating country:
   □Bilateral (Multilateral) research project: projects, cooperating country:
   □Dragon-Gate Program: projects, interning country:
2. List international cooperation grants sponsored by other organizations beside the NSTC

No.	Sponsoring organization	Title of Project	Cooperating country
1			
2			
3			

3. Other international cooperation results beside the foreign team involved in this joint research (fill in collaborative results in free format, no more than 300 words):

Ⅴ. Other institutions participated or other funding resources;

1. Has this project submitted to any third party (beside NSTC and the sponsoring organization noted in table IM01) for funding or has this project obtained funding from the participating institution itself?
   □No;
   □Yes, Institution , years, total amount of funding
2. Has any other institution not listed in the proposal participated in this project?
   □No;
   □Yes, A. attribute: □Domestic legal entity, □Foreign legal entity, □Domestic company, □Foreign company, Name:
   B. Mode of cooperation: □provide facilities and tests, □collaborate, □provide funds, □provide staff training, □others

Instructions for NSTC Personal Information Forms

1. All applicants requesting NSTC research grants must provide basic personal information, which will be used for academic review purposes.
2. The following personal information is required:
   (1)Basic Information: Applicants without an ROC ID number may use an Alien Resident Certificate number. If no ARC number, please use a ten-digit ID containing birth year, month, date, and the first two letters of the last name (e.g., YYYYMMDD□□).
   (2)Education: Highest degree earned, or highest level of education received.
   (3)Research/Professional Positions: Full-time positions related to research.
   (4)Fields of Expertise: Fields of expertise related to research.
   (5)Publication List: It is recommended to list publications relevant to the research project (maximum 2 pages).
   (6)The achievements of past R&D projects: It is recommended to list intellectual property right and its applications resulting from the research project, and it includes patent, technology transfer, copyright, and other achievements.
3. Please access the NSTC's Academic Research and Development Service Portal (學術研發服務網) (http://www.nstc.gov.tw/), and enter the above information. Please update this system at any time to reflect changes in personal information.
4. Enter the system as follows:
   (1)New users: Go to the Academic Research and Development Service Portal, click 新人註冊 (*Register*), enter all personal information as prompted, click 確認 *(Submit*), print out the 列印個人基本資料表 (*Researcher Personal Information Form*), and fax this form signed by applicant and supervisor to the NSTC Information Management Unit (Fax 02-2737-7691). Within four working hours of receiving this fax, the NSTC will verify the applicant's identity and send an email notifying the assigned ID and Password.
   (2) To use the Citizen Digital Certificate IC Card: Login to the Academic Research and Development Service Portal using the NSTC-assigned ID and Password, click 註冊自然人 IC 卡憑證 (*Register Citizen Digital Certificate IC Card*) on the right side, and click 變更登入方式 (*Change logon method*). After the method has been changed, the IC Card can be used for future logons.
   (3) To retrieve a forgotten ID/Password, go to Academic Research and Development Service Portal, click 忘記帳號密碼 (*Forgot ID and Password*), and answer the reminder prompt to retrieve the original ID and a new password. For questions, please contact the NSTC service line 02-2737-7592, 0800-212-058.
5. The principal investigator shall upload publication list (maximum 2 pages), and co-principal investigator is also required to upload publication list (maximum 2 pages) when signing the consent to confirm.
6. Portions of the applicant's personal information including name, institution, office phone number, and publication list will be made available for public access on the NSTC's website. Private information on ID number, home phone, address, and birth date will not be publicly disclosed in accordance with the "Personal Information Protection Act." Other information on fax number, email, education, professional experience, and fields of expertise may be disclosed on the NSTC's website with the applicant's consent.

NSTC Personal Information Form

1. Personal information(Form C301、CM302、C303) will be entered into the NSTC's database for NSTC research grants.
2. According to "The Freedom of Government Information Law" Article 7, research project title, approved amount, project term, research report, et cetera of principal investigators of approved projects will be made available to the public on the NSTC's website.
3. Based on public interest of interchange of Academic Research, name, institution, professional title, office telephone and publication list of principal investigators of approved projects will be made available to the public on the NSTC's website. Other personal information on email, education, professional experience, et cetera, may be disclosed on the NSTC's website with the applicant's consent.
4. Based on public interest of the institution fulfilling the demand for treasuring the resources of academic writings, publication list(Form CM302) will be made available to the institution for search and download.

I. Basic Information

Signature:
Date: 20 / /

Identification Number					
Name (Chinese)		Name (English)	(Last Name) (First Name) (Middle Name)		
Nationality		Sex/Gender	□M □F	Date of Birth	Y M D
Address	□□□□□				
Telephone	(Office)		(Home / Mobile)		
Fax Number			E-mail		

II. Education (Begin with highest degree earned; if degree is pending, please so indicate.)

Institution	Nation	Department/Program	Degree	Dates
				From / to /
				From / to /
				From / to /
				From / to /

III. Current Position and Professional Experience

(Indicate full-time positions in research, beginning with current position)

Institution	Department/Program	Position	Duration
Current Position:			From / to /
Past Experiences:			From / to /
			From / to /
			From / to /
			From / to /

IV. Fields of Expertise

(List special field or subfield of research)

1	2	3	4

V. Publication List: It is recommended that a list of relevant publications be provided for reviewers' reference. (maximum 2 pages).

Note:

1.Proposals should be formatted for A4 paper, and each page should fit within a rectangle of 29.7 x 21 cm.

2.Chinese or English typing is acceptable. Proposals should be in single line spacing format with 12 points using Time New Roman font type for English character and DFKai-SB font type for Traditional Chinese character.

VI. The achievements of past R&D projects:

1. Categorize all achievements. Attach extra pages as necessary.
2. List in order of patent issue date, or the contract signing date for technology transfer or copyright.

(1) Patents: Indicate patents currently in effect and use the following codes for "type":
A = invention; B = new utility model; C = new design.

Type	Title of Patent	Country	Patent Number	Inventor	Assignee (Patentee)	Date of Issue	NSTC Grant Number

(2) Technology Transfers:

Title of Technology	Title of Patent	Licensor	Licensee	Contract Date	NSTC Grant Number
Contributions (use separate pages if necessary)					

(3) Copyrights: Use "type" code: 1 = oral literary work; 2 = computer program;
3 = audiovisual work; 4 = sound recording; 5 = other

Work Title	Type	Author	Ownership	Licensee	NSTC Grant Number
Contributions (use separate pages if necessary)					

(4) Other Achievements:
