

email通知教師

助 教

電子工程學研究所
助 教 吳依倩

106/07/25 11:42:23

國立臺灣大學 書函

機關地址：10617 臺北市羅斯福路4段1號

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電話：33663267

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受文者：如行文機關

校內電子文

發文日期：中華民國106年7月24日

發文字號：校研發字第1060058323號

速別：普通件

密等及解密條件或保密期限：

附件：科技部來文影本、台灣重要新興感染症研究計畫II—構想書、全球衛生安全追求防疫一體之傳染病整合防治研究構想書、Ministry of Science and Technology Grant Proposal、III. Contents of Grant Proposal、台灣重要新興感染症研究II計畫徵求公告、全球衛生安全—追求防疫一體之傳染病整合防治徵求公告

主旨：科技部部生命科學研究發展司推動「臺灣重要新興感染症研究II」

及「全球衛生安全-追求防疫一體之傳染病整合防治研究」計畫，並

自即日起至106年8月31日止受理申請，請查照轉知。

說明：

一、依據科技部106年7月18日科部生字第1060049630號函。

二、旨揭專案計畫徵求程序、注意事項及詳細內容，請參閱各專案徵求公告。

正本：各一二級單位、登載於本校首頁校園公告

副本：

裝

訂

線

科技部 函

機關地址：台北市和平東路二段106號

聯絡人：簡榮村

電話：02-2737-7990

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受文者：國立臺灣大學

發文日期：中華民國106年7月18日

發文字號：科部生字第1060049630號

速別：普通件

密等及解密條件或保密期限：普通

附件：106EIDII-構想書格式 1件，106防疫一體-構想書格式 1件，防疫一體申請表格 1件，CM03 表格式 1件，106台灣重要新興感染症公開徵求公告 1件，106全球衛生安全—追求防疫一體之傳染病整合防治研究計畫公開徵求公告 1件（106D2016743.DOCX，106D2016744.DOCX，106D2016745.DOC，106D2016746.DOCX，106D2016747.DOCX，106D2016748.DOCX）

主旨：本部生命科學研究發展司推動「臺灣重要新興感染症研究II」及「全球衛生安全—追求防疫一體之傳染病整合防治研究」計畫，並自即日起至106年8月31日止受理申請，請查照轉知。

說明：旨揭專案計畫徵求程序、注意事項及詳細內容，請參?各專案徵求公告。

正本：專題研究計畫受補助單位（共301單位）

副本：本部生科司、綜合規劃司

部長陳良基

106/07/18
15:43:14

校級公文 106/07/18



收文號:1060058323

科技部

台灣重要新興感染症研究計畫 II—構想書

一、基本資料

申請編號

計畫類別	台灣重要新興感染症研究計畫 II		
研究型別	<input type="checkbox"/> 個別型計畫 <input type="checkbox"/> 整合型計畫		
計畫歸屬	<input type="checkbox"/> 生科司		
申請機關		申請系所 (單位)	
本計畫主持人姓名		職稱	
本計畫 名稱	中文		
	英文		
整合型總計畫名稱			
整合型總計畫主持人		聯絡電話	
全程執行期限	自民國____年____月____日起至民國____年____月____日		
研究組別	<input type="checkbox"/> 人畜共通傳染病研究 <input type="checkbox"/> 動物流感及人類新興流感相關研究 <input type="checkbox"/> 登革熱相關研究 <input type="checkbox"/> 其他新興感染症相關研究	<input type="checkbox"/> 獸醫組 (Veterinary Researches) <input type="checkbox"/> 病毒組 (Virology) <input type="checkbox"/> 新藥研發組 (Novel Drug Development) <input type="checkbox"/> 臨床及流行病學組 (Clinical Epidemiological Researches)	
本計畫是否為多年期計畫； <input type="checkbox"/> 否 <input type="checkbox"/> 是，共____年			
計畫連絡人	姓名：_____電話：(公)_____(宅)_____		
通訊地址			
傳真號碼		E-MAIL	

表 GL001

共 頁 第 頁

計畫申請人(主持人)簽章：_____ 日期：_____

二、整合型研究計畫項目：總計畫及子計畫之主持人均需填寫此表。
(申請個別型計畫者免填)

計畫項目	主持人	服務單位系所	職稱	計畫名稱
總計畫				
子計畫一				
子計畫二				
子計畫三				
子計畫四				
子計畫五				
子計畫六				
子計畫七				
子計畫八				
子計畫九				
子計畫十				
子計畫十一				
子計畫十二				
子計畫十三				

三、研究計畫：

(一) 目的

請描述本研究計畫之確切目標(specific aims)，包括長期目標(objectives)及本計畫期間之研究重點。

--

表 GL003-1

(二) 研究背景及意義

請概述及評估(evaluate)本計畫之背景與相關領域知識之最新發展，並陳述本計畫之研究價值及與「台灣重要新興感染症研究 II」目標之相關性。

--

表 GL003-2

(三) 關鍵實驗設計及研究方法

請說明本計畫將運用何種實驗設計(designs)與方法(methods)以達成計畫目標，包括資料如何收集、分析、解釋及該方法可能遭遇之困難與限制；陳述遭遇困難時之解決途徑及其他替代方法(alternative approaches)。

--

(四) 初步研究成果

請詳述計畫主持人現有與本計畫相關之研究成果，特別是初步整理之重要資料 (preliminary data or information)。

--

(五) 參考文獻 (Literature Cited)

Patient Information	
Full Name	
Date of Birth	
Gender	
Address	
City	
State	
Zip	
Phone	
Medical History	
Current Medications	
Previous Surgeries	
Chronic Conditions	
Family History	
Physical Examination	
Vital Signs	
General Appearance	
Head, Eyes, Ears, Nose, Throat	
Heart, Lungs	
Abdomen	
Extremities	
Neurological	
Laboratory Tests	
Blood Work	
Urine Analysis	
Imaging Studies	
Treatment Plan	
Medications	
Therapies	
Follow-up	
Patient Education	
Instructions	
Resources	
Signature	
Physician	
Patient	

表 GL003-5

四、整合型計畫重點說明：

請說明計畫整合之必要性，如總體目標、整體分工與合作架構，以及人力、機構、資源之整合方式及預期之整體綜合效益。(申請個別型計畫者免填)

五、已執行或執行中相關計畫說明：

請提供主持人及共同主持人已執行或執行中與本計畫相關之其他計畫資料。

主持人、共同主持人已執行或執行中之相關研究計畫				
姓 名	計 畫 名 稱 (本 部 補 助 者 請 註 明 編 號)	起迄年月	補 助 或 委 託 機 構	補助金額

科技部個人資料表

以下各項資料均將收錄於科技部資料庫內，其中有關個人的姓名、服務機關、連絡電話(公)及論文著述等，將公開於本會網際網路「研究人才」項下，提供外界查詢。至於其他如傳真、E-mail、學歷、經歷、專長等資料，為尊重個人意願，請圈選（同意、不同意）於網際網路上提供外界查詢。（如以往已經表示過意見者，可不必再勾選）。

一、基本資料：

簽名：_____

填表日期： 20____ / ____ / ____

身分證號碼	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
中文姓名	<input type="text"/>				英文姓名	<input type="text"/>				
						(Last Name) (First Name) (Middle Name)				
國籍	<input type="text"/>				性別	<input type="checkbox"/> 男	<input type="checkbox"/> 女	出生日期	19____年____月____日	
聯絡地址	<input type="text"/>									
聯絡電話	(公) <input type="text"/> (宅 / 手機) <input type="text"/>									
傳真號碼	<input type="text"/>					E-mail	<input type="text"/>			

二、主要學歷 由最高學歷依次填寫，若仍在學者，請在學位欄填「肄業」。

學校名稱	國別	主修學門系所	學位	起訖年月(西元年/月)
				自 ____ / ____ 至 ____ / ____
				自 ____ / ____ 至 ____ / ____
				自 ____ / ____ 至 ____ / ____
				自 ____ / ____ 至 ____ / ____

三、現職及與專長相關之經歷 指與研究相關之專任職務，請依任職之時間先後順序由最近者往前追溯。

服務機構	服務部門／系所	職稱	起訖年月(西元年/月)
現職：			自 ____ / ____ 至 ____ / ____
經歷：			自 ____ / ____ 至 ____ / ____
			自 ____ / ____ 至 ____ / ____
			自 ____ / ____ 至 ____ / ____
			自 ____ / ____ 至 ____ / ____
			自 ____ / ____ 至 ____ / ____

四、專長 請自行填寫與研究方向有關之學門及次領域名稱。

1. <input type="text"/>	2. <input type="text"/>	3. <input type="text"/>	4. <input type="text"/>
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五、代表性著作（請提供近五年內代表性著作 10 篇）

代表性 優先序	著作 性質	代表著作名稱及相關發表資料 (請依作者姓名、著作標題、期刊名稱及 發表年月;卷數:起迄頁數之順序填寫)	通訊 作者
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

填表說明：

- 一、代表著作須為近五年內已發表之期刊論文、博士論文等研究成果。若為已接受但尚未刊印或刊印中之期刊論文，需檢附相關證明文件。另，截止收件後不受理申請相關資料之抽換、修改與增補。
- 二、代表作優先序：請依據著作之代表性（或重要性）依序填入各欄內。
- 三、著作性質（請填代碼）： 1.原始論著 2.簡報型論文 3.病例報告 4.綜合評論 5.博士論文 6.專書或專書章節 7.其他
- 四、代表性著作名稱及相關發表資料請依作者姓名、著作標題、期刊名稱及發表年月;卷數;起迄頁數之順序填寫。
- 五、通訊作者：若您是該著作之通訊作者，請填 **1**；若您不是該著作之通訊作者，請填 **2**

六、智慧財產權及應用成果

1. 請將個人智慧財產權及應用成果分為(1)專利(2)技術移轉(3)著作授權(4)其他等類別，分別填入下列表中。如欄位不足，請自行加印填寫。
2. 如所列之智慧財產權及應用成果係經由科技部補助之研究計畫所產生，請填入相關之科技部計畫編號。
3. 填寫順序請依專利期間起始日排列，或技術移轉及著作授權之簽約日期排列。

專利 請填入目前仍有效之專利。「類別」請填入代碼：(A)發明專利(B)新型專利。

類別	專利名稱	國別	專利號碼	發明人	專利權人	專利期間	科技部計畫編號

技術移轉

技術名稱	專利名稱	授權單位	接受單位	合約期間	科技部計畫編號

目前績效：(可另紙繕寫)。

著作授權 「類別」分(1)語文著作(2)電腦程式著作(3)視聽著作(4)錄音著作(5)其他，請擇一代碼填入。

著作名稱	類別	著作人	著作財產權人	被授權人	科技部計畫編號

目前績效：(可另紙繕寫)。

其他協助產業技術發展之具體績效

科技部

全球衛生安全追求防疫一體之傳染病整合防治研究—構想書

一、基本資料

申請編號

計 畫 類 別		全球衛生安全—追求防疫一體之傳染病整合防治研究	
研 究 型 別		<input type="checkbox"/> 個別型計畫 <input type="checkbox"/> 整合型計畫	
計 畫 歸 屬		<input type="checkbox"/> 生科司	
申 請 機 關		申請系所 (單位)	
本計畫主持人姓名		職 稱	
本 計 畫 名 稱	中 文		
	英 文		
整合型總計畫名稱			
整合型總計畫主持人		聯絡電話	
全程執行期限		自民國_____年_____月_____日起至民國_____年_____月_____日	
研 究 組 別		<input type="checkbox"/> 發展反向疫苗學、反向基因體學與微生物合成技術 <input type="checkbox"/> 建立可產生廣泛及高抗體中和反應之技術 <input type="checkbox"/> 發展可提升細胞培養病毒或重組蛋白產能之生物製程 <input type="checkbox"/> 發展可提升黏膜細胞免疫之載體技術 <input type="checkbox"/> 以重組病毒技術(如:以桿狀病毒 baculoviruses 為例)量產病毒蛋白及疫苗平臺之建置 <input type="checkbox"/> 新型佐劑研發 <input type="checkbox"/> 研究抗藥性產生與變異之機制	
本計畫是否為多年期計畫 ； <input type="checkbox"/> 否 <input type="checkbox"/> 是，共_____年			
計 畫 連 絡 人		姓名：_____電話：(公)_____(宅)_____	
通 訊 地 址			
傳 真 號 碼		E-MAIL	

表 GL001

共 頁 第 頁

計畫申請人(主持人)簽章：_____ 日期：_____

二、整合型研究計畫項目：總計畫及子計畫之主持人均需填寫此表。
(申請個別型計畫者免填)

計畫項目	主持人	服務單位系所	職稱	計畫名稱
總計畫				
子計畫一				
子計畫二				
子計畫三				
子計畫四				
子計畫五				
子計畫六				
子計畫七				
子計畫八				
子計畫九				
子計畫十				
子計畫十一				
子計畫十二				
子計畫十三				

三、研究計畫：

(一) 目的

請描述本研究計畫之確切目標(specific aims)，包括長期目標(objectives)及本計畫期間之研究重點。

--

表 GL003-1

(二) 研究背景及意義

請概述及評估(evaluate)本計畫之背景與相關領域知識之最新發展，並陳述本計畫之研究價值及與「台灣重要新興感染症研究 II」目標之相關性。

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表 GL003-2

(三) 關鍵實驗設計及研究方法

請說明本計畫將運用何種實驗設計(designs)與方法(methods)以達成計畫目標，包括資料如何收集、分析、解釋及該方法可能遭遇之困難與限制；陳述遭遇困難時之解決途徑及其他替代方法(alternative approaches)。

--

(四) 初步研究成果

請詳述計畫主持人現有與本計畫相關之研究成果，特別是初步整理之重要資料 (preliminary data or information)。

--

(五) 參考文獻 (Literature Cited)

Patient Information	
Full Name	
Date of Birth	
Gender	
Address	
City	
State	
Zip	
Phone	
Medical History	
Current Medications	
Previous Surgeries	
Chronic Conditions	
Family History	
Physical Examination	
General	
Head	
Eyes	
Ears	
Nose	
Throat	
Heart	
Lungs	
Abdomen	
Extremities	
Vital Signs	
Temperature	
Heart Rate	
Respiratory Rate	
Blood Pressure	
Oxygen Saturation	
Laboratory Tests	
Complete Blood Count	
Basic Metabolic Panel	
Liver Function Tests	
Uric Acid	
Urine Analysis	
Imaging Studies	
X-ray	
Ultrasound	
CT Scan	
MRI	
Treatment Plan	
Medications	
Procedures	
Referrals	
Patient Education	
Instructions	
Follow-up	
Physician Signature	
Signature	
Print Name	
MD	
Nurse Signature	
Signature	
Print Name	
RN	

表 GL003-5

四、整合型計畫重點說明：

請說明計畫整合之必要性，如總體目標、整體分工與合作架構，以及人力、機構、資源之整合方式及預期之整體綜合效益。(申請個別型計畫者免填)

五、已執行或執行中相關計畫說明：

請提供主持人及共同主持人已執行或執行中與本計畫相關之其他計畫資料。

主持人、共同主持人已執行或執行中之相關研究計畫				
姓 名	計 畫 名 稱 (本 部 補 助 者 請 註 明 編 號)	起迄年月	補 助 或 委託機構	補助金額

科技部個人資料表

以下各項資料均將收錄於科技部資料庫內，其中有關個人的姓名、服務機關、連絡電話(公)及論文著述等，將公開於本會網際網路「研究人才」項下，提供外界查詢。至於其他如傳真、E-mail、學歷、經歷、專長等資料，為尊重個人意願，請圈選（同意、不同意）於網際網路上提供外界查詢。（如以往已經表示過意見者，可不必再勾選）。

一、基本資料：

簽名：_____

填表日期： 20____ / ____ / ____

身分證號碼										
中文姓名					英文姓名					
						(Last Name) (First Name) (Middle Name)				
國籍					性別	<input type="checkbox"/> 男 <input type="checkbox"/> 女	出生日期	19____年____月____日		
聯絡地址	□□□□□□□□□□									
聯絡電話	(公) (宅 / 手機)									
傳真號碼						E-mail				

二、主要學歷 由最高學歷依次填寫，若仍在學者，請在學位欄填「肄業」。

學校名稱	國別	主修學門系所	學位	起訖年月(西元年/月)
				自 ____ / ____ 至 ____ / ____
				自 ____ / ____ 至 ____ / ____
				自 ____ / ____ 至 ____ / ____
				自 ____ / ____ 至 ____ / ____

三、現職及與專長相關之經歷 指與研究相關之專任職務，請依任職之時間先後順序由最近者往前追溯。

服務機構	服務部門／系所	職稱	起訖年月(西元年/月)
現職：			自 ____ / ____ 至 ____ / ____
經歷：			自 ____ / ____ 至 ____ / ____
			自 ____ / ____ 至 ____ / ____
			自 ____ / ____ 至 ____ / ____
			自 ____ / ____ 至 ____ / ____
			自 ____ / ____ 至 ____ / ____

四、專長 請自行填寫與研究方向有關之學門及次領域名稱。

1.	2.	3.	4.
----	----	----	----

五、代表性著作（請提供近五年內代表性著作 10 篇）

代表性 優先序	著作 性質	代表著作名稱及相關發表資料 (請依作者姓名、著作標題、期刊名稱及 發表年月;卷數:起迄頁數之順序填寫)	通訊 作者
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

填表說明：

- 一、代表著作須為近五年內已發表之期刊論文、博士論文等研究成果。若為已接受但尚未刊印或刊印中之期刊論文，需檢附相關證明文件。另，截止收件後不受理申請相關資料之抽換、修改與增補。
- 二、代表作優先序：請依據著作之代表性（或重要性）依序填入各欄內。
- 三、著作性質（請填代碼）： 1.原始論著 2.簡報型論文 3.病例報告 4.綜合評論 5.博士論文 6.專書或專書章節 7.其他
- 四、代表性著作名稱及相關發表資料請依作者姓名、著作標題、期刊名稱及發表年月;卷數;起迄頁數之順序填寫。
- 五、通訊作者：若您是該著作之通訊作者，請填 **1**；若您不是該著作之通訊作者，請填 **2**

六、智慧財產權及應用成果

1. 請將個人智慧財產權及應用成果分為(1)專利(2)技術移轉(3)著作授權(4)其他等類別，分別填入下列表中。如欄位不足，請自行加印填寫。
2. 如所列之智慧財產權及應用成果係經由科技部補助之研究計畫所產生，請填入相關之科技部計畫編號。
3. 填寫順序請依專利期間起始日排列，或技術移轉及著作授權之簽約日期排列。

專利 請填入目前仍有效之專利。「類別」請填入代碼：(A)發明專利(B)新型專利。

類別	專利名稱	國別	專利號碼	發明人	專利權人	專利期間	科技部計畫編號

技術移轉

技術名稱	專利名稱	授權單位	接受單位	合約期間	科技部計畫編號

目前績效：(可另紙繕寫)。

著作授權 「類別」分(1)語文著作(2)電腦程式著作(3)視聽著作(4)錄音著作(5)其他，請擇一代碼填入。

著作名稱	類別	著作人	著作財產權人	被授權人	科技部計畫編號

目前績效：(可另紙繕寫)。

其他協助產業技術發展之具體績效

Ministry of Science and Technology Grant Proposal

I. General Information

Application Number: _____

Type of Project (choose one)	<input type="checkbox"/> General Research Project <input type="checkbox"/> Project for Junior Researcher <input type="checkbox"/> Other (please specify): _____				
Mode of Research	<input type="checkbox"/> Individual Research <input type="checkbox"/> Integrated Research				
Department for Proposed Area of Research	<input type="checkbox"/> Dept. of Natural Sciences and Sustainable Development <input type="checkbox"/> Dept. of Engineering and Technologies <input type="checkbox"/> Dept. of Life Sciences <input type="checkbox"/> Dept. of Humanities and Social Sciences <input type="checkbox"/> Dept. of International Cooperation and Science Education				
Institution/Department					
Principal Investigator (PI)		Position		Identification Number	
Research	Chinese				
Project Title	English				
Integrated Research Project Title					
Chief Investigator of Integrated Research Project		Identific ation Number			
Project Period	From _____ to _____ (MM/DD/YY)				
Project Discipline	Discipline Code		Discipline		
Type of Research	<input type="checkbox"/> Pure basic research <input type="checkbox"/> Oriented basic research <input type="checkbox"/> Applied research <input type="checkbox"/> Experimental development				
*Please evaluate your current workload and availability before applying for a new MOST 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 an international joint research? <input type="checkbox"/> No <input type="checkbox"/> Yes, cooperating countries: _____ (Please complete Forms <u>IM01,IM02</u>)					
Does this project require the use of ocean research vessels? <input type="checkbox"/> No <input type="checkbox"/> Yes (Please complete Form <u>CM15</u>)					
1.Does this research project include the following? (Check as applicable and attach relevant consent forms.) <input type="checkbox"/> Human Studies/ Human Specimen <input type="checkbox"/> Human Embryo/ Human Embryonic Stem Cell <input type="checkbox"/> Gene Recombination <input type="checkbox"/> GMO Field Trial <input type="checkbox"/> Microbes in Risk Group 2.3.4 <input type="checkbox"/> Animal Studies(Must also attach a description of the 3R ethical principles of animal experiments) 2.This project is a behavioral science research for Dnt. of Humanities & Social Sciences <input type="checkbox"/> Yes (Please attach the certification of sending the project for research ethics review) <input type="checkbox"/> No 3.Does this project include clinical trial? <input type="checkbox"/> Yes (Please attach the checklist for gender analysis in clinical trial) <input type="checkbox"/> No					
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 expected impact on social, economic and academic development after the implementation of this project. (maximum 150 characters)

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, 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 progress: Describe for each year--
 - (1) Research principles and 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: 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.

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 MOST’s overhead funding total and the proposing institution’s ratio for overhead funding), do not enter this item manually.
3. For “advanced instrumentation usage fee,” enter the total as calculated in Form CM13.
4. For “postdoctoral research fellows,” enter the number of personnel requested for each year. The "Postdoctoral Researcher Subsidized Recruitment Quota/Manpower Hiring Application Form" (CIF2101、CIF2102) can be submitted along with the research proposal. If the proposal is granted with a quota of postdoctoral research fellows, the PI should follow the requirement of “Regulations Governing the Recruitment of Visiting Science and Technology Personnel with Subsidies from the MOST” and provide sufficient information of candidates for review. The postdoctoral research fellow can start working for the project after the application is approved by MOST.
5. In case of support from the proposing institution or other organizations (including industrial support), attach relevant documents or evidence of support.

Currency unit: NT Dollars

Project Year Budget Categories		First year from	Second year from	Third year from	Fourth year from	Fifth year from
		____/____to____/____ (M M / Y Y)	____/____to____/____ (M M / Y Y)	____/____to____/____ (M M / Y Y)	____/____to____/____ (M M / Y Y)	____/____to____/____ (M M / Y Y)
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						
Advanced Instrumentation Usage Fee						
Postdoctoral Research Fellows	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). 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 postdoctoral 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 requesting funds for postdoctoral research fellows, 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))

VII. Personnel:

1. Please estimate all the personnel including full-time research assistants, part-time research assistants and temporary staff required to execute this research project and the payment requested, respectively. Please also indicate each person's role and definite work items and scopes in this research project for evaluation.
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
專任助理(碩士第一級)	564,087	負責細胞培養 (月支費用 36,050 元 x12 月+年終獎金 36,050 元 x1.5 月+[勞保費 2541 元+健保費 1,732 元+勞工退休金/離職儲金 2,178 元]x12 月)*1 名
兼任助理(講師級)	72,000	負責細胞培養技術指導 (月支費用 6,000 元 x12 月)*1 名
兼任助理(研究生-僱傭關係)	148,776	協助論文資料蒐集 (月支費用 10,000 元 x12 月+ [勞保費 777 元+健保費 955 元+勞工退休金/離職儲金 666 元]x12 月)*1 名
兼任助理(研究生-學習範疇)	360,000	學習研究方法與撰寫論文 (月支費用 10,000 元 x12 月)*3 名
臨時工資	22,000	協助問卷發放
合計 Total	1,166,863	

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. <http://www.most.gov.tw/int/public/Data/44215151971.pdf>
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	Internatio nal 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\$ 5,000,000, please fill out form CM10-1. If a subsidy of or above NT\$ 5,000,000 has been approved by this Ministry 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 Ministry..
6. Complete the table with separate pages for each year.

Currency: NT Dollars

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

Ministry of Science and Technology

Grant Proposal of Large Instrument

I. General Information

Project Term		From _____ to _____ (MM/DD/YY)		
Institution/Department				
Principal Investigator(PI)			Position	
Research Project Title	Chinese			
	English			
Instrument Name	Chinese			
	English			
Person in charge of Instrument			Position	
Research Project Discipline which this is affiliated with (ref: “Discipline Code Table”)		Discipline Code	Discipline	

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 5 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 MOST	Matching funds from others (please include institute name and the amount)
合 計							

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, functions, 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 devices 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 MOST 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.

<http://law.dgbas.gov.tw/LawContentDetails.aspx?id=FL017584&KeyWordHL&StyleType=1>

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):

- (一)Principal Investigators and relevant personnel involved in project may apply international travelling expenses for attending explorative visits and inspection(s).
- (二)Describe the nature of conference, proposed budget, venue and duration.
- (三)Please refer to the following website for information about amount of funding regarding international airtickets, daily allowance and others.
<http://law.dgbas.gov.tw/LawContentDetails.aspx?id=FL017584&KeyWordHL&StyleType=1>
- (四)Convert all currencies into NT dollars and specify exchange rate.
- (五)Fill in separate pages for each year.

XIII. Advanced Instrumentation Usage Fee:

1. If requesting use of MOST-funded advanced instrumentation, indicate the affiliated organization, name of the instrument, purpose of usage, contribution to project, and requested budget.
2. For guidelines on advanced instrumentation usage and costs, consult the MOST's website:
Advanced Instrumentation Information Management System
(<https://vi.most.gov.tw/nsc-vi/index/default.action>).
3. Users approved for the "Advanced Instrumentation Usage Fee" should pay 10% of the usage fee to the Instrumentation Center. This 10% should also be listed as a consumable expense.
4. This budget should be calculated separately from the total budget of the grant proposal.
(Illustrate how this budget is calculated in the usage fee column.)
5. Complete separate forms for each year.

Currency unit: NT Dollars

Names of Advanced Instrumentation and Affiliated Organization	Description	Usage Fee	Remarks
Total			

XIV. Research Projects Executed within the Past Three Years

(List all projects conducted within the past three years, include those projects funded by MOST, other ministries, private companies, other institution/organization etc.)

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

XV. Request for Use of Ocean Research Vessels

Project Title			
Applying University/Institution			
Undertaking Department/Institute			
Principal Investigator	Name :		Title :
Project Duration			
Ocean Research Vessel Request			
Research Vessel (I, II, III, V)	Operation Purpose	Operation Areas	Number of Days
Total Request: R/V I ____days, R/V II ____days, R/V III ____days, R/V V ____days			
Contact Person:		Signature:	
<input type="checkbox"/> I have submitted the marine surveying data in accordance with the “Marine Surveying Data Release Policy for Ministry of Science and Technology Funded Research Project.”(Please attach the proof issued by MOST Ocean Data Bank)			
Signature of the Principal Investigator:			
Telephone Number:		Fax Number:	
Date:			

XVI. Checklist for gender analysis in clinical trial :

Principal Investigator			
University/Institution		Position	
Project Title			
If the proposal includes clinical trial, please fill out the checklist for gender analysis.			
No.	Item	Description	Remark (Note)
1	Research objects of clinical trial in the proposal		
2	Number of cases and gender ratio in the proposal		
3	Please indicate why the gender analysis (statistical analysis and assessment of gender differences) will not be included in the proposal. If it has been shown that there are no gender differences in literature or other sources, please list it (them).		

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 MOST, 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	<input type="checkbox"/> Single country: _____ <input type="checkbox"/> Multiple countries, main country: _____ Other Countries: 1. _____ 2. _____ 3. _____ 4. _____		
Name of Project at Cooperating Institution	Chinese		
	English		
Principal Investigator at Cooperating Institution	Name (English): _____ (Chinese): _____ Title (English): _____ Tel: _____ Fax: _____ E-mail : _____ Institution (English): _____ (Chinese): _____		
Sponsoring Organization at Cooperating Institution	<input type="checkbox"/> Organization having bilateral/multilateral agreement with MOST (select): _____ <input type="checkbox"/> other, name of organization (English): _____		
Status of Research Project at Cooperating Institution	<input type="checkbox"/> Under review <input type="checkbox"/> Authorized, total amount (convert to NT) \$ _____ thousand, for _____ years. Entire Project duration: From _____ to _____ (yyyy/mm/dd)		
Mode of Cooperative Research (Check as applicable)	<input type="checkbox"/> Taiwanese personnel travel abroad for research <input type="checkbox"/> Foreign personnel travel to Taiwan for research <input type="checkbox"/> Personnel from all sides travel to a third country for research <input type="checkbox"/> Taiwanese personnel travel abroad to access valuable instrumentation or equipment Equipment (please specify): _____ Site (country/city/institution): _____		
Type of Cooperative Research (Check as applicable)	<input type="checkbox"/> Data collection sharing <input type="checkbox"/> Research information exchange <input type="checkbox"/> Model of theory establishment and inspection <input type="checkbox"/> Data induction or deduction <input type="checkbox"/> Device or product design <input type="checkbox"/> Others (please specify) _____		
Copyright	<input type="checkbox"/> Not included <input type="checkbox"/> Settled (check all that apply): <div style="margin-left: 20px;"> <input type="checkbox"/> Joint publication of research results <input type="checkbox"/> Joint application for patent rights <input type="checkbox"/> Technology transfer </div>		

II. Abstract of International Collaborative Research Projects:

1. Briefly state the significance and aim of project.

1.2. 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.

1.3. If the sponsoring organization at the cooperating institution does not have a bilateral agreement with the MOST, please provide the organization's website address or any background information.

1.4. If the project is a part of an MOST Program Plan or a Project Plan, indicate the role and status of project within the Program Plan or Project Plan.

1.5. 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.

1.6. Describe the method and aim of research, and equipment use for each research personnel.

Instructions for MOST Personal Information Forms

1. All applicants requesting MOST 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: Please include refereed journal articles, books, book chapters, conference papers, technical reports, and others published within the last five years. Where childbirth or parental leave is applicable, the duration period can be extended up to seven years. Applicants just out of mandatory military service are also entitled to take their exact terms into account. In both cases, supporting document is required.
 - (6)Intellectual property rights and other contributions: Intellectual property rights and other applications resulting from research: patent, technology transfer, copyright, or other.
3. Please access the MOST's Academic Research and Development Service Portal (學術研發服務網) (<http://web1.most.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 MOST Information Management Unit (Fax 02-2737-7691). Within four working hours of receiving this fax, the MOST 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 MOST-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 MOST service line 02-2737-7592, 0800-212-058.
5. For "Publication List," enter publication information (journal title, authors, publication date, type of writing, etc.) and upload the publication files (or specify URL links). If a publication list (Form C302) already exists in the system, the system will automatically combine the new and existing publications lists.
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 MOST'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 MOST's website with the applicant's consent.

Ministry of Science and Technology **Personal Information Form**

1. Personal information(Form C301~C304) will be entered into the MOST's database for MOST 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 MOST'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 MOST's website. Other personal information on email, education, professional experience, et cetera, may be disclosed on the MOST'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 C302) will be made available to the institution for search and download.

I. Basic Information

Identification Number										Signature: _____
										Date: 20____/____/____
Name (Chinese)					Name (English)					
						(Last Name)	(First Name)	(Middle Name)		
Nationality					Sex	<input type="checkbox"/> M	<input type="checkbox"/> 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
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V. Publication List:

1. Please list all refereed journal articles, books, book chapters, conference papers, technical reports, and others published within the last five years. Where childbirth or parental leave is applicable, the duration period can be extended up to seven years. Applicants just out of mandatory military service are also entitled to take their exact terms into account. In both cases, supporting document is required. (List in descending order of importance.)
2. List all works in order of publication date. Provide information on each work in this order: names of authors (in the order as published, mark corresponding author with an asterisk*), year and month of publication, title, name of journal (and publisher), and page numbers. For works that have been accepted for publication but not officially printed, attach publisher's letter of acceptance.
3. List the names of periodicals, Journal or databases, if a paper has been indexed (ex: Science Citation Index, Engineering Index, Social Science Citation Index, Arts & Humanities Citation Index, Scopus, Taiwan Social Sciences Citation Index or Taiwan Humanities Citation Index Core, etc). If a publication resulted from MOST-funded research, indicate the MOST Grant Number.

VI. Intellectual Property Rights and Other Contributions:

1. Categorize all intellectual property rights and other contributions as Patent, Technology Transfer, Copyright, or Other. 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	MOST Number	Grant

(2) Technology Transfers:

Title of Technology	Title of Patent	Licensor	Licensee	Contract Date	MOST Number	Grant

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	MOST Grant Number

Contributions (use separate pages if necessary)

(4) Other Contributions: Describe specific contributions to industrial or technological developments.

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

1. Biographical Sketch

BIOGRAPHICAL SKETCH

Provide the following information for the Senior/key personnel and other significant contributors in the order listed on Form Page 2.
Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME	POSITION TITLE
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EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable.)*

INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	MM/YY	FIELD OF STUDY

NOTE: The Biographical Sketch may not exceed four pages. Follow the formats and instructions below.

A. Personal Statement

Briefly describe why your experience and qualifications make you particularly well-suited for your role (e.g., PD/PI, mentor, participating faculty) in the project that is the subject of the application.

B. Positions and Honors

List in chronological order previous positions, concluding with the present position. List any honors. Include present membership on any Government public advisory committee.

C. Selected Peer-reviewed Publications

MOST encourages applicants to limit the list of selected peer-reviewed publications or manuscripts in press to no more than 15. Do not include manuscripts submitted or in preparation. The individual may choose to include selected publications based on recency, importance to the field, and/or relevance to the proposed research.

D. Research Support

List both selected ongoing and completed research projects for the past three years (MOST or non-MOST-supported). Begin with the projects that are most relevant to the research proposed in the application. Briefly indicate the overall goals of the projects and responsibilities of the key person identified on the Biographical Sketch. Also indicate the proposals currently being reviewed.

2. Public Health Relevance Statement. Please outline the expected impact of this proposal on social, economic and academic development after the implementation of this project. (maximum 150 characters)
3. Specific aims: A component of an application's Research Plan which describes concisely the goals of the proposed research and summarizes the expected outcome(s), including the impact that the results of the proposed research will exert on the research field(s) involved. Include the specific objectives of the research proposed (e.g., to test a stated hypothesis, create a novel design, solve a specific problem, challenge an existing paradigm or clinical practice, address a critical barrier to progress in the field, or develop new technology).
4. Research Strategy: Describe in detail the intended issues to be investigated or resolved.
 - A) SIGNIFICANCE: Importance, Critical barriers, Improvement of scientific knowledge.
 - B) INNOVATION Something new or improved, including research for (1) development of new technologies, (2) refinement of existing technologies, or (3) development of new applications for existing technologies.
 - C) APPROACH: The research design and methods section should include the following:
 - (1) PI's preliminary studies, data, and experience relevant to the application and the experimental design;
 - (2) the overview of the experimental design;
 - (3) a description of methods and analyses to be used to accomplish the specific aims of the project;
(Routine methods based on published reports do not need to be describe in detail)
 - (4) a discussion of potential difficulties and limitations and how these will be overcome or mitigated;
 - (5) expected results, and alternative approaches that will be used if unexpected results are found;
 - (6) a projected sequence or timetable (work plan);

- (7) if the project is in the early stages of development, describe any strategy to establish feasibility, and address the management of any high risk aspects of the proposed work;
 - (8) a detailed discussion of the way in which the results will be collected, analyzed, and interpreted;
 - (9) a description of any new methodology used and why it represents an improvement over the existing ones;
5. Integrated research project: State overall relevance with other sub-projects for each point listed above.

科技部生命科學發展科司
107 年度「台灣重要新興感染症研究 II」
計畫徵求公告

106.7.

壹、計畫說明

因全球暖化、氣候變遷及因交通往來的頻仍，使得部分新興的疾病因境外移入而傳入而流行，此議題，亦為國際所重視。鑑此，積極推動以國土保安為考量之「台灣重要新興感染症」第二期研究，將沿襲第一期規劃，以基礎研究為主軸，針對國內已有疫情之感染症，或具流行的威脅性，及尚未發生於台灣但已出現於鄰近國家之新興感染症。整合公共衛生、臨床醫學及基礎研究之領域推展，以延續累積原來的研究能量與成果外，並鼓勵更多人才投入，且藉由本研究計畫的推動，累積並增進我國在台灣重要新興感染症之研究能力，並逐步將基礎研究成果轉為國家防疫政策之實證基礎，以達防範於未然的目標。又，配合政府新南向政策的推動，並循本部以學術帶領產業推動的策略方針，期與新南向國家建立感染症研究的伙伴關係，繼而為發展雙方互利的產業發展奠基。

貳、計畫徵求重點

本次計畫徵求共分 1.基礎研究計畫；2.國際合作研究計畫，二個主題。

一、研究內容

為避免與衛福部(國衛院)、農委會(動植物防檢局)推動之研究重複，本研究將不涉及相關人用疫病或動物疫苗之傳統疫苗產製範疇。計畫內容以基礎研究與臨床實驗結合，內容並能建立動物模式之研究及國際合作之計畫優先推動。又，新興感染症同時為世界各國所重視，為能與國際接軌，鼓勵能具與國外專家學者進行交流或合作之規劃。

申請國際合作類型計畫主題者，為考量實質合作為目的，請檢附雙方主持人共同合作研究之議題、共同簽署之「學術研究協議書」，協議書內容應包括：研究課題中英文名稱，雙方執行單位及計畫主持人，研究任務分工及作法等規劃，研究成果之智慧財產權分配及其他備註事項與雙方簽章等。

二、研究議題如下：

- 1.人畜共通傳染病：研究致病機轉、與疾病臨床預後相關之關鍵基因體變異、以及進行親緣地理學 (phylogeography)等
- 2.動物流感及人類新興流感相關研究
- 3.結核病相關研究：潛伏性感染相關研究、免疫反應、多重/全抗藥性等
- 4.其他新興感染症組：研究具威脅性，及尚未發生於台灣但已出現於鄰近地區之新興感染症病原之細菌或病毒，如中東新冠狀病毒(MERS-CoV)、諾羅病毒、茲卡病毒、非結核性分枝桿菌及因人類免疫不全病毒造成之感染症研究。

本專案鼓勵國內學者從事病毒及細菌毒性(virulence)、致病機轉(pathogenesis)及傳播方式的研究，並輔以動物模式之建立，除了利用小鼠外，亦鼓勵中型動物如雪貂、天竺鼠(guinea pig)動物模式的建立。如涉及使用高生物安全等級實驗室之計畫，鼓勵與國內已有該項設備的研發單位合作，以合作研究為前提取得該單位合作使用之同意資料。若屬安全第三等級 (Biosafety Level 3, BSL-3) 之動物實驗，則需提供與現有符合國內生物安全第三等級之動物實驗室或單位之合作研究同意資料，並建議於計畫申請書中提列為共同主持人，得於計畫中編列相關經費。

參、申請資格

1. 申請機構：須為依本部受補助單位申請作業要點，經核定納為本部補助單位者。
2. 申請人：計畫主持人與共同主持人資格須符合本部補助專題研究計畫作業要點規定。

肆、計畫類型及計畫期程

1. 計畫類型：個別型/單一整合型研究計畫。
2. 單一整合型計畫者至少具有三件子計畫且以三件或以上之子計畫通過才能成立，但以五件子計畫為上限，總計畫主持人需主持一件子計畫，並負責整合型研究計畫之整體規劃、協調、研究進度及成果之掌握，真正參與計畫之研究與執行。
2. 計畫期程：二年期計畫，執行日期預定自107年1月1日起，但將配合審查期程而修正。

伍、計畫（包括構想書及完整計畫書）之撰寫及申請程序

本研究計畫之申請及審查包括「構想書」及「完整計畫書」兩階段，申請者須先提出「構想書」申請經審查後推薦者通知提出完整計畫書進行第2階段之計畫書審查。

一、構想書徵求

- 1.計畫構想書徵求期限：自公告日起至106年8月31日止。
- 2.構想書（包括整合型及個別型計畫）紙本一式3份及電子檔(E-mail: 2010eid@gmail.com)，不需具公函，請逕寄100台北市中正區中山南路7號 臺大醫院臨床研究大樓712室 「臺灣重要新興感染症研究」計畫運作辦公室收，以郵戳為憑，逾期及資料不全者，歉難受理。封面請註明申請研究計畫主題(基礎研究計畫、國際合作研究)。
- 3.每位主持人僅擇一研究主題，並以提出一件構想書申請案為限，相同或相似題目、內容之計畫已獲其它單位補助者，請勿再向本部重複提出申請（延續型計畫，應與前一計畫有所區隔）。
- 4.構想書格式：中英文擇一格式撰寫。整合型計畫構想書，由總計畫主持人彙整成單一構想書提出。構想書空白表格式請於本部網站上連接本公告下方之「附件下載」欄下載使用。

二、完整計畫書徵求

- 1.獲審查推薦之「構想書」，預計將於106年9月下旬前，將函知申請機構及計畫申請人（整合型研究計畫僅通知總計畫主持人）提送完整計畫書。整合型計畫書，由總計畫主持人於彙整各子計畫內容後，統一於線上提出單一整合計畫申請。計畫書申請案收件截止日期為106年11月15日，申請人應於截止日前完成申請作業。並於收件截止日期前，由申請機構造具申請公函及名冊函送本部，完成申請手續，逾期恕不受理。（106台北市大安區和平東路2段106號 科技部收）
- 2.本專案計畫書申請格式中，除CM03表格-Contents of Grant Proposal請使用本公告附加檔之表格撰寫後，轉成PDF檔後上傳外，其餘表格則依本部網頁逐一填寫。若表格不符，將無法受理審查。

3.完整計畫書採線上申請作業方式，(總)計畫主持人循本部一般專題研究計畫之申請程序，進入「研究人才個人網」，在「研究人才網線上申辦」項下，點選「Research Grant Proposal」，計畫類別請勾選「General Research Project」、計畫歸屬請勾選「Dept. of Life Science」、學門代碼請勾選「B90-Special Program」和子學門代碼請勾選「B904060-台灣重要新興感染症研究專案」。

4. 研究倫理審查相關文件：

- 1)計畫如有涉及人體試驗、採集人體檢體、人類胚胎、人類胚胎幹細胞、基因重組相關實驗、動物實驗或第二級以上感染性生物材料試驗者，應檢附生物實驗安全委員會核准之基因重組實驗申請同意書；涉及基因轉殖田間試驗者，應檢附主管機關核准文件。
- 2)研究計畫如涉及動物實驗者，除應檢附動物實驗管理委員會核准文件，亦需增附動物實驗倫理3R（Replace、Reduce、Refine）說明文件。
- 3) 106年度起，研究計畫如涉及臨床試驗，應進行性別分析並於申請時，填寫性別分析檢核表。
- 4)人體試驗研究計畫，如涉及原住民族群者，除原人體試驗同意書外，需追加附上原住民族人體試驗同意文件為宜。

正式核准文件如未能於申請時提交者，可先提交已送審之證明文件，並於三個月內補齊，以利審查。

陸、審查重點

一、基礎研究計畫：以計畫創新性、重要性、預期成果之學術或應用價值以及將成果發表於頂尖國際學術期刊之可能性等，另將加重研究成果對於社會之重要性與影響評估；

二、國際合作研究計畫：著重於經此國際合作研究後，可共同產出之成果績效或可解決之疫病問題，或提升全球防疫系統之可能等社會影響績效。

柒、成果報告、績效考評

一、計畫執行期間，計畫主持人得依本部生科司需求提供相關研究成果或資料。

二、報告繳交與計畫考評

- 1.因本案以分年核定多年期方式推動，計畫主持人應於當年度計畫執行期限期滿後3個月內，於本部線上繳交當年度之研究成果報告。
- 2.獲補助之計畫主持人，應於該計畫各年度執行滿六個月時，繳交書面執行報告至計畫運作辦公室，進行進度書面審查；當年年度執行期限結束前，則召開年度成果發表學術研討會，由主持人進行成果口頭報告，本部將邀請學者專家進行書面審查及召開評審會議，會議議決內容將為補助下一年度經費核定依據。

捌、其他注意事項

1. 本案為一般型研究計畫，列入本部計畫補助計畫件數限制(整合型計畫則僅列計總計畫主持人之件數)。計畫補助項目(含研究主持費)依本部補助專題研究計畫作業要點規定辦理。
2. 計畫主持人如可執行之計畫件數已超過，經本部行政程序確認無誤者，將逕不送審。
3. 本專案研究計畫申請，無申覆機制。
4. 除特殊情形者外，不得於執行期中申請變更主持人或申請註銷計畫。
5. 其他未盡事宜請依「科技部補助專題研究計畫作業要點」及其他相關規定辦理。。

玖、計畫聯絡人

一、有關電腦操作問題，請洽本部資訊系統服務專線：

電話：0800-212-058，(02) 2737-7592，E-mail: misservice@most.gov.tw

二、對本專案徵求內容如疑慮，請電洽：

1. 「臺灣重要新興感染症研究」計畫運作辦公室曾雅蘋博士、戴惠敏小姐

(02-2312-3456 #63685-6, E-mail: 2010eid@gmail.com)

2. 科技部生命科學研究發展司簡榮村博士

(02-2737-7990, E-mail: jtchien@most.gov.tw)。

科技部生命科學發展科司
107 年度「全球衛生安全—追求防疫一體之傳染病整合防治研究」
計畫徵求公告

106.7.

壹、計畫說明

呼應「全球衛生安全綱領」(GHSA)之倡議，健全人類的疫災防災體系，基於「One Health」防疫一體的概念，整合政府人醫與畜產部門防疫資源與量能，培養國內跨部會研究團隊，促進整合與國際接軌的防疫體系，跨部會合作以達成「落實保健防疫整備，免除疾病威脅」與「發展醫藥衛生科技」之策略目標。本計畫依部會分工規劃，推動開發前瞻疫苗技術，新型疫苗及研究抗藥性產生研究議題，藉由研究計畫的推動，增進我國在疫苗研發的能力，並逐步將疫苗研發研究成果，轉為國家疫苗開發、生產的基礎，進而提升我國在因應公共衛生事件威脅的能力。

本計畫推動考量：1)部會分工及避免與本部其他專案推動的研究議題重複，研究內容將不涉及動物疫苗之傳統疫苗產製範疇；2)開發疫苗技術及研究抗藥性產生為世界各國所重視，為能達到與國際接軌，故計畫的執行，鼓勵與國外專家學者或機構進行合作。

貳、計畫徵求重點

一、計畫成果以能夠推廣到產學合作及臨床試驗潛力者之計畫，優先推動。

二、研究議題如下：

1. 發展反向疫苗學、反向基因體學與微生物合成技術
2. 建立可產生廣泛及高抗體中和反應之技術
3. 發展可提升細胞培養病毒或重組蛋白產能之生物製程
4. 發展可提升黏膜細胞免疫之載體技術
5. 以重組病毒技術(如:以桿狀病毒 baculoviruses 為例)量產病毒蛋白及疫苗平臺之建置
6. 新型佐劑研發
7. 研究抗藥性產生與變異之機制

參、申請資格

1. 申請機構：須為依本部受補助單位申請作業要點，經核定納為本部補助單位者。
2. 申請人：計畫主持人與共同主持人資格須符合本部補助專題研究計畫作業要點規定。

肆、計畫類型、申請書格式及執行期間

1. 計畫類型：個別型/單一整合型研究計畫。
2. 單一整合型計畫者至少具有三件子計畫且以三件或以上之子計畫通過才能成立，但以五件子計畫為上限，總計畫主持人需主持一件子計畫，並負責整合型研究計畫之整體規劃、協調、研究進度及成果之掌握，真正參與計畫之研究與執行。
3. 計畫期程行期間：以三年期計畫為宜，執行日期預定自107年1月1日起，但將配合審查期程而修正。

伍、計畫（包括構想書及完整計畫書）之撰寫及申請程序

本專案研究計畫之申請及審查包括「構想書」及「完整計畫書」兩階段，申請者須先提出「構想書」申請經審查後推薦者通知提出完整計畫書進行第2階段之計畫書審查。

一、構想書徵求

1. 計畫構想書徵求期限：自公告日起至106年08月31日止。
2. 構想書（包括整合型及個別型計畫）紙本一式3份及電子檔(E-mail: 2010eid@gmail.com)，不需具公函，請逕寄100台北市中正區中山南路7號 臺大醫院臨床研究大樓712室「臺灣重要新興感染症研究」計畫運作辦公室 收，以郵戳為憑，逾期及資料不全者，歉難受理。
3. 每位主持人以提出一件構想書申請案為限，相同或相似題目、內容之計畫已獲其它單位補助者，請勿再向本部重複提出申請。
4. 構想書格式：中英文擇一格式撰寫。整合型計畫構想書，請由總計畫主持人彙整成單一計畫構想書提出後審查。計畫構想書空白表格式請於科技部網站上連接本公告下方

之「附件下載」欄下載使用。

二、完整計畫書徵求

1.獲審查推薦之「構想書」，預計將於106年9月下旬前，函知申請機構及計畫申請人（整合型研究計畫僅通知總主持人）提送完整計畫書。整合型計畫由總計畫主持人彙整各子計畫內容後，統一線上提出完整計畫書申請。

2. 完整計畫書採線上申請作業方式，(總)計畫主持人循本部一般專題研究計畫之申請程序，進入「研究人才個人網」，在「研究人才網線上申辦」項下，點選「Research Grant Proposal」，計畫類別請勾選「General Research Project」、計畫歸屬請勾選「Dept. of Life Science」、學門代碼請勾選「B90-Special Program」和子學門代碼請勾選「B905010-One health; The integrated study for the infection diseases prevention」，依序填列製作完整計畫書。

3.本專案計畫書申請格式中，除CM03表格-Contents of Grant Proposal請使用本公告附加檔之表格撰寫後，轉成PDF檔後上傳外，其餘表格則依本部網頁逐一填寫。若表格不符，將無法受理審查。

4. 完整計畫書申請案收件截止日期為106年11月15日，申請人應於截止日前完成申請作業。完整計畫書請於收件截止日期前，經由申請機構造具申請公函及名冊於106年11月1日前函送本部，完成申請手續，逾期恕不受理。(106台北市大安區和平東路2段106號 科技部收)

5. 研究倫理審查相關文件：

1)計畫如有涉及人體試驗、採集人體檢體、人類胚胎、人類胚胎幹細胞、基因重組相關實驗、動物實驗或第二級以上感染性生物材料試驗者，應檢附生物實驗安全委員會核准之基因重組實驗申請同意書；涉及基因轉殖田間試驗者，應檢附主管機關核准文件。

2)研究計畫如涉及動物實驗者，除應檢附動物實驗管理委員會核准

文件，亦需增附動物實驗倫理3R（Replace、Reduce、Refine）說明文件。

3) 106年度起，研究計畫涉及臨床試驗，應進行性別分析並於申請時，

填寫性別分析檢核表。

4) 人體試驗研究計畫，如涉及原住民族群者，除原人體試驗同意書外，需追加附上原住民族人體試驗同意文件為宜。

正式核准文件如未能於申請時提交者，可先提交已送審之證明文件，並於三個月內補齊，以利審查。

陸、成果報告、績效考評

一、計畫執行期間，計畫主持人得依本部生科司需求提供相關研究成果或資料。

二、報告繳交與計畫考評

1. 因本案以分年核定多年期方式推動，計畫主持人應於當年度計畫執行期限期滿後3個月內，於本部線上繳交當年度之研究成果報告。

2. 獲補助之計畫主持人，應於該計畫各年度執行滿六個月後，繳交書面執行報告至計畫運辦公室，進行進度書面審查；當年年度執行期限結束前，則召開年度成果發表學術研討會，由主持人進行成果口頭報告，本部將邀請學者專家進行書面審查及召開評審會議，會議議決內容將為補助下一年度經費核定依據。

柒、其他注意事項

1. 計畫類別為一般型研究計畫，列入本部計畫補助計畫件數限制(整合型計畫則僅列計總計畫主持人之件數)。計畫補助項目(含研究主持費)依本部補助專題研究計畫作業要點規定辦理。

2. 計畫主持人如可執行之計畫件數已超過，經本司行政程序確認無誤者，將逕不送審。

3. 本專案研究計畫申請，無申覆機制。

4. 除特殊情形者外，不得於執行期中申請變更主持人或申請註銷計畫。

5. 其他未盡事宜請依「科技部補助專題研究計畫作業要點」及其他相關規定辦理。。

捌、計畫聯絡人

一、有關電腦操作問題，請洽本部資訊系統服務專線：

電話：0800-212-058，(02) 2737-7592，E-mail: misservice@most.gov.tw

二、對本專案徵求內容如有疑慮，請電洽：

1. 「臺灣重要新興感染症研究」計畫運作辦公室曾雅蘋博士、戴惠敏小姐

(02-2312-3456 #63685-6, E-mail: 2010eid@gmail.com)

4. 科技部生命科學研究發展司簡榮村博士

(02-2737-7990, E-mail: jtchien@most.gov.tw)。