2026年國科會補助博士生赴西班牙研習計畫申請須知

2026 NSTC-CSIC PHD INTERNSHIP PROGRAMME

2026/01/15

為促進臺灣與西班牙之合作研究交流，國科會與西班牙高等科學研究委員會(Spanish National Research Council, CSIC)共同辦理臺灣博士班研究生赴西班牙研習計畫。該委員會旗下各領域研究機構提供臺灣在學博士生(下稱學員)研習機會，以瞭解西班牙之文化，吸取其研究經驗及態度，協同雙方指導教授/研究人員討論及定位未來兩國可能合作之主題及方向，促進雙方團隊實質合作研究。

一、 學員資格

(一) 具中華民國國籍

(二) 在國內大學修習博士學位且已取得博士候選人資格之在學博士生

(三) 具良好英語書寫與口語之溝通能力

(四) 已取得西班牙研習單位指導員接受學員前往研習之同意文件

二、 補助項目及內容

(一) 國際交通費：自臺灣至西班牙研習單位往返經濟艙機票一張(得含西班牙內陸長途大眾運輸交通費)，補助上限新臺幣 60,000 元。

(二) 生活津貼：補助上限2,200 歐元 (由國科會支應1,000歐元及西班牙研習單位支應1,200歐元)。

(三) 其他費用：簽證費及出國研習期間因公赴國外出差人員綜合保險費(保額 400萬元)。

三、 作業時程

(一) 受理申請：**2026年2月2日~2026年3月16日**

(二) 公告結果：2026年6月底前(若因不可抗力因素、審查時程延後等，本會得視情形調整公布審查結果時間。)

(三) 研習期間：2 個月(含)以上，應於 2026年 7 ~ 12 月間執行完畢；研習日期應徵得西班牙研習單位同意。

四、 研習單位

(一) 西班牙高等科學研究委員會轄下各領域研究機構 2026年計有2個單位(計2個名額)開放接受我國博士候選人前往研習，各研習單位、研究主題及指導員名單，詳如附件。

(二) 學員應評估表列研究主題與自身研究論文之相關性，並主動與表列指導員聯繫，以瞭解該研習單位之相關要求及規定。倘有2項以上適合之研習機會，學員應列出個人優先序，一次僅聯繫一個單位。

(三) 部份研習單位可安排免費或價位合宜之住宿，學員與指導員聯繫時，可同時洽問或請其協助。

五、 申請方式及文件

(一) 登入國科會網站(https://www.nstc.gov.tw/)之學術研發服務網

(二) 點選「學術獎補助及申辦查詢」

(三) 點選「國際合作」頁籤下的「年輕人員國外研習」

(四) 作業辦法頁面中是目前徵求中之計畫，點選「確定」

(五) 在案件申請頁面中，點選「新增」

(六) 點選計畫類別「2026年國科會補助博士生赴西班牙研習計畫」

(七) 點選「申請新計畫」，確認「個人基本資料」後，按「下一步(儲存)」

(八) 開始填寫計畫資料，並依線上系統要求，上傳下列申請資料：

1. 中英文計畫申請表（依附件格式但以中文及英文分別填具）
2. 英文推薦函二份（得含指導教授推薦函；信函格式請參用附件）
3. 西班牙研習單位指導人員同意函
4. 學生證正反面影本及取得博士候選人資格證明
5. 身分證正反面及護照核發頁影本
6. 其他參考資料：包括個人已發表論文目錄、英語(或西班牙語)能力證明、修讀博士期間修課英文成績單等

(九) 線上填寫及上傳完畢後送出

(十) 推薦機構(就讀學校)於線上彙整送出後，於**2026年3月16日(週一)前備函**檢附申請清冊一式二份，向本會提出申請，逾期不受理(以推薦機構線上送出及發函日期為憑)。

六、 注意事項

(一) 有關獲得補助之經費撥付、結報與報告繳交等事宜，請依本會核定公文內容辦理，學員應於計畫結束後三個月內繳交結案報告書並辦理經費結報。

(二) 學員於本會通知獲補助後，應自行處理下列事項：

1. 聯繫及安排在西班牙期間之住宿。
2. 於確認研習期間後，自行購買機票及旅遊平安保險。
3. 應與研習單位簽妥研習期間之學習及生活規範合約。
4. 應與研習單位商洽及確認所需簽證種類，逕行申辦。

七、 聯絡資訊

承辦人：國科會科教國合處廖亞旋科員及陳嘉苓小姐

電子信箱： yhliao1@nstc.gov.tw; soniacc@nstc.gov.tw

八、 附件

(一) 2026年西班牙高等科學研究委員會研習單位一覽表

(二) 中英文計畫申請表

(三) 推薦信(格式)

附件

2026年西班牙高等科學研究委員會研習單位一覽表

Host Center CSIC	CSIC Scientific Supervisor	Vacancies	Researh Groups	Scientific Area
Institute of Polymer Science and Technology (ICTP-CSIC) https://www.ictp.csic.es/es/node/806	**Miryam Criado González** mcriado@ictp.csic.es	1	**Nanostructured Polymers and Gels.** Within this group, the research line "Smart polymer/polypeptide materials for bioelectronics" focuses on developing intelligent materials based on the self-assembly and/or additive manufacturing (3D/4D printing) of stimuli-responsive polymers and polypeptides. These materials are designed for personalized, minimally invasive biomedical therapies, in which wireless bioelectronic devices play a key role.	Chemistry, Polymer Science, Electronic Engineering, or a related field. Experience in organic synthesis, peptide synthesis, and polymer chemistry will be highly valued. A good command of written and spoken English is essential.
Institute of Space Sciences (ICE-CSIC) https://www.ice.csic.es	**Miquel Nofrarias** nofrarias@ice.csic.es	1	**Gravitational Astronomy - LISA.** This group is leading the Spanish contribution to the future space-borne gravitational wave observatory, LISA. LISA (Laser Interferometer Space Antenna) is an ESA mission with expected launch in 2034 aiming to detect gravitational radiation by putting three satellites in heliocentric orbit separated 2.5 million km one from each other, forming a triangle. The experimental research line of the group focuses on the development of high precision techniques to allow ultra-stable measurements for gravitational waves detection at low frequencies and, also, for space applications facing similar technological challenges.The Gravitational Astronomy is a highly multidisciplinary research group including physicists, software, electronics and mechanical engineers working inside the LISA Consortium, an international collaboration.	Physics, Aerospace Engineering or similar with a strong foundation in data analysis and scientific computing. Experience in signal processing, statistical methods, and programming (preferably Python and MATLAB). Familiarity with space science or geophysics, particularly magnetic field modeling, is highly desirable. Knowledge of algorithms for noise characterization and anomaly detection will be considered an asset. The candidate should demonstrate analytical skills, problem-solving ability, and interest in space instrumentation and mission operations.

NSTC-CSIC PHD INTERNSHIP PROGRAMME 2026

EXPRESSION OF INTEREST

CSIC SCIENTIFIC SUPERVISOR: MIRYAM CRIADO GONZALEZ	
EMAIL: mcriado@ictp.csic.es	**PHONE NUMBER:** +34 915622900
ICU'S (INSTITUTE/CENTER/UNIT) NAME: Institute of Polymer Science and Technology (ICTP-CSIC)	
ICU'S ADDRESS: C/ Juan de la Cierva, 3, 28006 Madrid	
RESEARCH GROUP: Nanostructured Polymers and Gels	
CENTER/RESEARCH GROUP'S WEBSITE: https://www.ictp.csic.es/es/node/806	
NUMBER OF STUDENTS WILLING TO WELCOME: 1	
BRIEF DESCRITION OF THE RESEARCH GROUP: The Nanostructured Polymers and Gels group is part of the Polymeric Nanomaterials and Biomaterials Department at the Institute of Polymer Science and Technology of the Spanish National Research Council (ICTP-CSIC). Within this group, the research line *"Smart polymer/polypeptide materials for bioelectronics"* focuses on developing intelligent materials based on the self-assembly and/or additive manufacturing (3D/4D printing) of stimuli-responsive polymers and polypeptides. These materials are designed for personalized, minimally invasive biomedical therapies, in which wireless bioelectronic devices play a key role. The multifunctional nature of our systems makes them highly appealing to both academic and industrial sectors.	
STUDENTS' ACADEMIC PROFILE *(brief description of the student academic background)*: Applicants should hold a PhD in Chemistry, Polymer Science, Electronic Engineering, or a related field. Experience in organic synthesis, peptide synthesis, and polymer chemistry will be highly valued. The selected candidate is expected to conduct research, perform data treatment, write papers, and collaborate with the rest of PhD, MSc, and BSc students working in the laboratory. A good command of written and spoken English is essential.	
BRIEF EXPLANATION THAT MOTIVATES THE STAY OF THE STUDENT(S) WHO WOULD MAKE THE STAY *(brief description of the student's task and the capabilities or research topics within the groups projects that the student/s will be involved in)*: The work will involve the synthesis of polymers and polypeptides, the formation of electroactive gels and their additive manufacturing through light-based 3D printing techniques, as well as the advanced physical chemical characterization of the resulting materials. The internship offers a stimulating environment at the intersection of materials science, engineering, and biomedicine, within a dynamic and collaborative research team in Madrid.	

The stay will allow the student to deepen their knowledge in a specialized academic area and engage in research activities that support their academic progression. The student will work alongside peers and experts from the host institution and associated partners, promoting knowledge exchange. It also provides the opportunity to acquire practical skills and hands-on training relevant to their future career path. In addition, the student will gain valuable international experience that strengthens cultural understanding and global competencies. The stay will also help the student build academic and professional networks that can foster future collaborations.

A MINIMUM OF €1.200 FOR LIVING EXPENSES WILL BE THE FINANCIAL CONTRIBUTION FROM THE CSIC CENTER TO THE STUDENT/

A MAXIMUM OF €1000 WILL BE THE FINANCIAL CONTRIBUTION FROM NSTC TO THE STUDENTS

Responsible Researcher:

CRIADO GONZALEZ, MIRYAM (FIRMA)

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Center Director:

MUÑOZ BONILLA ALEXANDRA - DNI 46938302V

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Date: 2025.12.01 14:32:44 +01'00'

ICU Manager:

GARCIA TORRAS AIDA - DNI 39462198V

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GOBIERNO DE ESPAÑA MINISTERIO DE CIENCIA, INNOVACIÓN Y UNIVERSIDADES

CSIC

NSTC 國家科學及技術委員會
National Science and Technology Council

NSTC-CSIC PHD INTERNSHIP PROGRAMME 2026

EXPRESSION OF INTEREST

CSIC SCIENTIFIC SUPERVISOR: Miquel Nofrarias	
EMAIL: nofrarias@ice.csic.es	**PHONE NUMBER: +34.93.737.9788**
ICU'S (INSTITUTE/CENTER/UNIT) NAME: Institute of Space Sciences	
ICU'S ADDRESS: Carrer de Can Magrans, s/n, 08193 Cerdanyola del Vallès	
RESEARCH GROUP: Gravitational Astronomy - LISA	
CENTER/RESEARCH GROUP'S WEBSITE: : https://www.ice.csic.es	
NUMBER OF STUDENTS WILLING TO WELCOME: 1	

BRIEF DESCRITION OF THE RESEARCH GROUP:

The Gravitational Astronomy group at ICE is leading the Spanish contribution to the future space-borne gravitational wave observatory, LISA. LISA (Laser Interferometer Space Antenna) is an ESA mission with expected launch in 2034 aiming to detect gravitational radiation by putting three satellites in heliocentric orbit separated 2.5 million km one from each other, forming a triangle.

The experimental research line of the group focuses on the development of high precision techniques to allow ultra-stable measurements for gravitational waves detection at low frequencies and, also, for space applications facing similar technological challenges. This includes investigation in aspects of sensor technology, optical metrology, analog signal conditioning circuit topologies, low-noise electronic components, analog-to-digital conversion techniques and digital signal processing.

Our group has a long record experience in the development of flight hardware for space missions. The group provided the Data and Diagnostics Subsystems (DDS) of LISA Pathfinder, a precursor mission launched in December 2015 that successfully proved the key technologies to reach the purest free-fall in space to the date down to the sub-femto-g.

The Gravitational Astronomy is a highly multidisciplinary research group including physicists, software, electronics and mechanical engineers working inside the LISA Consortium, an international collaboration. Our group leads technology development contracts with the European Space Agency (ESA) in collaboration with leading industrial partners from the aerospace sector.

STUDENTS' ACADEMIC PROFILE:

The ideal candidate is a PhD student in Physics, Aerospace Engineering or similar with a strong foundation in data analysis and scientific computing. The student should have experience in

signal processing, statistical methods, and programming (preferably Python and MATLAB). Familiarity with space science or geophysics, particularly magnetic field modeling, is highly desirable. Knowledge of algorithms for noise characterization and anomaly detection will be considered an asset. The candidate should demonstrate analytical skills, problem-solving ability, and interest in space instrumentation and mission operations.

BRIEF EXPLANATION THAT MOTIVATES THE STAY OF THE STUDENT(S) WHO WOULD MAKE THE STAY:

The proposed stay will focus on data analysis for the ILIADA In-Orbit Demonstrator (IOD) mission, a key element of the Catalan NewSpace strategy aimed at validating advanced diagnostic technologies in space. The student will develop and implement algorithms for telemetry processing, sensor diagnostics, and performance assessment during the mission's commissioning and operational phases. In particular, the algorithms will target the magnetic characterization of the Earth's magnetic field using the high-precision magnetometers on board. A major scientific goal of ILIADA is to detect transient signals associated with Birkeland currents when crossing polar regions. The student will design methods for glitch identification and noise characterization, which are critical for distinguishing genuine geophysical signals from instrumental artifacts. These developments will not only enhance the scientific return of ILIADA but also have a direct impact on future missions such as LISA, where robust techniques for noise analysis and transient detection are essential for gravitational wave measurements. The internship will provide hands-on experience in space mission data analysis, combining signal processing, statistical methods, and software development within a multidisciplinary team with extensive expertise in ESA missions such as LISA Pathfinder and LISA.

Responsible Researcher:

MIQUEL DELS SANTS NOFRARIAS SERRA - DNI 78152053P

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Center Director:

SERENELLI ALDO MARCELO - DNI X9954801X

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ICU Manager:

MESTRE FUSCO XAVIER - DNI 38141699V

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2026年國科會補助博士生赴西班牙研習計畫
中文申請表

姓 名			
性 別	□ 男 □ 女	出生日期(西元)	(yyyy/mm/dd)
電話/手機		研究室電話	
E-mail1/E-mail2			
通訊地址			
就讀學校	(請寫全名)		
系所/年級	(請寫全名)；博生班第___年		
指導教授	姓名(中/英)： 服務單位/系所： 聯絡電話： E-mail:		
第一位推薦人	姓名(中/英)： 服務單位/系所： 聯絡電話： E-mail:		
第二位推薦人	姓名(中/英)： 服務單位/系所： 聯絡電話： E-mail:		
預訂之博士論文題目			
近三年 獲獎事蹟			
研究成果	參與或執行學術研究之個人論文發表情形？ □ 國際學術期刊 已發表____篇；期刊審稿中 ____篇 □ 國際會議____篇 □ 國內會議____篇 □ 其他：_____		

語言能力	英語： 1. 是否曾在歐美國家留學一年以上? □是 □否 2. 提供之英語能力證明文件名稱及分數(或等級) _____ 3. 若1及2均無，請自評個人在聽、說、讀及寫之程度 (如：流利、佳、普通、少許、不會) _____
	西班牙語：(請參考英語欄位自評個人在聽、說、讀及寫之程度)
擬申請在西班牙CSIC研習之資訊	
研習單位簡稱	
研習主題	
計畫主持人姓名	
預訂研習期間	(起迄日期) yyyy/mm/dd ~ yyyy/mm/dd (計___個月)
住宿	□ 由研習單位協助安排 □ 自行安排

研習動機	(請說明參與此研習計畫之適合性、預期效益及未來發展合作研究的可能性。說明請勿超過1頁。請用標楷體或新細明體字型，12號字，單行間距。)

學習及研究現況	(請提供目前學習或研究之興趣、主題及參與計畫之簡要說明，包括廣義之研究興趣及深入研究主題。說明請勿超過1頁。請用標楷體或新細明體字型，12號字，單行間距。)

申請人簽名：_____ 日期：_____

臺灣指導教授簽名：_____ 日期：_____

2026 NSTC-CSIC PHD INTERNSHIP PROGRAMME
Application Form

Name	Last Name: First Name:		
Sex	☐ Male ☐ Female	Birthday	(yyyy/mm/dd)
Telephone/Mobile		Lab Telephone	
E-mail1/E-mail2			
Mailing Address			
University	(Please provide the full name, not using abbreviations)		
Institute/year	(Please provide the full name, not using abbreviations) Enrolled Year __		
Taiwanese Supervisor	Name (Chinese and English)： Uni/Institute: Telephone: E-mail:		
Recommender 1	Name (Chinese and English)： Uni/Institute: Telephone: E-mail:		
Recommender 2	Name (Chinese and English)： Uni/Institute: Telephone: E-mail:		
Tentative Title of Thesis			
Awards in the last 3 years			

Research Papers	Journal: ☐ Published _____ ; ☐ Under review_____ International Conference: ☐ Published _____ ; ☐ Under review_____ Local academic conference: ☐ Published ___ ; ☐ Under review___ ☐ Others: _____
Language	English (listening/speaking/reading/writing)： Spanish (listening/speaking/reading/writing)：
Hosting Laboratory/Unit in CSIC	
Name of CENTRO	
Topic of Study	
Name of PI	
Duration	from（yyyy/mm/dd) to (yyyy/mm/dd), for the period of ___ months
Housing	Housing arranged by PI：☐Yes／☐No

Statement of Purpose	(Explain your unique qualifications for participation in the Internship Program and list the benefits the program will provide to your professional development. May not be exceeding one page. Please type in single space in size 12.)

Description of Current Studies	(Provide a summary of your current studies and/or research projects, and interests. Please write the summary for a technical audience and identify both a general field of study and specific research interests. May not be exceeding one page. Please type in single space in size 12.)

Signature of Applicant: _____ Date:_____

Signature of Supervisor: _____ Date:_____

2026年國科會補助博士生赴西班牙研習計畫推薦信

2026 NSTC-CSIC PHD INTERNSHIP PROGRAMME
Recommendation Letter

申請人(學生)姓名 Name of Applicant	中文: 英文: (Last name), (First name)
推薦人姓名 Recommender	中文: 英文: (Last name), (First name)
服務單位/系所 Uni /Institute	中文: (請寫完整名稱) 英文:
推薦人聯絡電話 Telephone	
推薦人E-mail	

1. How long, and in what capacity, have you known the applicant?

2. In specific terms, explain how the Internship Program will benefit to the applicant. What unique approaches, opportunities, or skills will the applicant obtain in Spain?

3. Briefly describe the applicant's research contributions, the quality of the research, and the potential significance of the research to your discipline or field.

4. I rank this applicant in the top____(one-ten) among ten of PhD students I have supervised over the last three years.

5. Please check one of the two statements below.
   a. ____My identity and this report must be held in confidence.
   b. ____This report may be released to the applicant upon request.

I have read and understood the terms and conditions of the Internship Program in Taiwan, and I endorse this applicant's full participation in the program.

Signature：

Date：

Note:

1. Please give your comments in English for student in items 1-3.
2. The completed recommendation letters are necessary for applicants' submission. Failure to return this form in a timely fashion will jeopardize the application.