JOB OFFER

Junior Researcher

Position:	**Junior Researcher associated to the project "Nuevos Electrolitos Basados en microemUlsiones para baterías de fLujo Avanzadas (NÉBULA)" CNS2025-166971 of the RESEARCH CONSOLIDATION 2025 call for proposals**			
Projects:	**CIIAE - REF. IJ-NEBULA (ELECTRICAL ENERGY STORAGE)**			
Professional category:	**Junior Doctor**	**Quotation group:**		
Work Center:	University of Extremadura. Cáceres Campus			
Number of places:	**1**	**Reservation percentage, if applicable:**		
Department:	**ELECTRICAL ENERGY STORAGE**			
Offer date:	DOE Publication	**Deadline for submitting bids:**	**15 calendar days,** starting from the day after publication in the DOE (Official Gazette of Extremadura)	
Application for participation:	**Published in Annex I of the call for proposals and on the CIIAE website.**	**Application submission method for candidates :**	Applicants must send all the documentation from point 5 of the terms and conditions, indicating **Ref. IJ- NEBULA (ELECTRICAL ENERGY STORAGE)**	
Documents to accompany the application:	The related documents in **point 5 of the Terms and Conditions of the call for applications** In addition to the mandatory documentation listed above, the following will be considered: -Motivation Letter (maximum 2 pages)			
Contact information for submitting applications	FUNDECYT-PCTEX (Science and Technology Park Building), Research Avenue, s/n, PCTEX Building, University of Extremadura Campus – 06006 Badajoz (Spain) Email: ciiae.personal@fundecyt-pctex.es www.fundecyt-pctex.es www.ciiae.org			
Estimated start date:	**October 2026**	**Probation:**	**2 MONTHS**	
Waiting list	Yes, according to the regulations in points 9 and 10 of the Call for Proposals			
Conditions and requirements for applicants:	Those established in point 4 of the Call for Proposals			
Members of the selection committee:	**President:** Juan Manuel Pérez Rodríguez			
	Secretary and member: Lucía Cordón Masero			
	Member: Cristina Flox Donoso			
	Member: Paula Sanz Camacho			

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Tasks to be developed:	Tasks related to NEBULA project: -Formulation and optimization of sustainable microemulsions for flow battery electrolytes -Physicochemical characterization of microemulsion systems (phase behavior, conductivity, viscosity, domain size) -Synthesis, integration and evaluation of redox-active species within microemulsion architectures -Support in electrochemical testing and data interpretation -Dissemination of results (publications, conferences, reports)		
Required academic qualifications:	PhD in one of the following fields: - Physical Chemistry - Materials Chemistry (with a focus on formulation) - Colloidal / Interface Chemistry - Chemical Engineering		
Another formation:	Desirable: Basic knowledge of electrochemistry or willingness to acquire it during the project		
Contract duration:	Maximum date until project completion (31/03/2028)		
Remuneration:	Annual gross salary: BS: 38.720,97 €	**Financing:**	Action CNS2025-166971 funded by MICIU/AEI/10.13039/501100011033 under the 2025 Research Consolidation call

Details of the selection process:

- **Technical test:** NO
- **Language:** YES **(will be assessed during the interview)**
- **Job interview:** YES

Evaluation: evaluable criteria and sub-criteria	**MERIT AND CURRICULAR ASSESSMENT PHASE (COMPETITION): up to 60 points** - **Experience in the formulation and optimization of surfactant-based systems and microemulsions (up to 10 points)** - **Knowledge of colloidal and interfacial chemistry, including phase behaviour (ternary phase diagrams, HLB concepts, and stability of dispersed systems). (up to 5 points)** - **Experience with physicochemical characterization techniques for colloidal systems (e.g., DLS, rheology, DSC, UV-Vis or related techniques). (e.g., DLS, rheology) (up to 5 points)** - **Experience in organic chemistry applied to functional materials or electrolyte formulation. (up to 10 points).** - **Experience in electrochemical characterization of batteries or electrochemical systems (e.g., cyclic voltammetry, impedance spectroscopy or galvanostatic techniques). (up to 10 points).**

	- **Participation and/or collaboration in R&I/ business projects (up to 5 points)**
	  o Proven participation on at least 1 European project or equivalent
	  o Proven participation on at least 1 national project or equivalent
	
	- **Experience in Research Centers/Companies (up to 5 points).** Minimum stay of 6 months (total)
	
	- **Publications: scientific articles (in journals indexed in Web of Science and/or Scopus), theses (PhD and/or master's degree), presentations at congresses, reports, technical reports, technical guides, etc. (up to 10 points)**
	  o Minimum 2 published articles
	  o Minimun participation in 2 congresses

	INTERVIEW PHASE (COMPETITIVE EXAMINATION): up to 40 points
	- **Suitability of knowledge, experience and other requirements (up to 10 points)** - **Competencies, aptitudes, abilities and skills: leadership, organisational, analytical, team management and communication skills (up to 5 points)** - **Suitability of the applicant's profile for the position to be filled (up to 20 points)** - **Candidate's interest in joining the organisation and performing the duties of the vacancy.** Willingness to travel and to stay away from the usual place of work will be considered an asset **(up to 5 points).**

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