Nicolás Cabrera University Institute of Materials Science

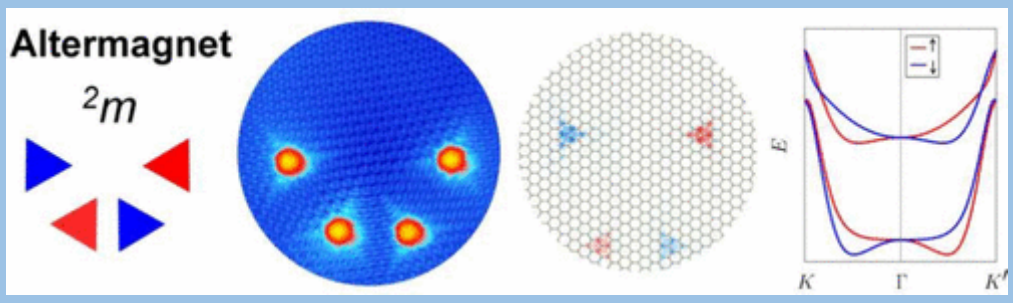
Activity report 2025

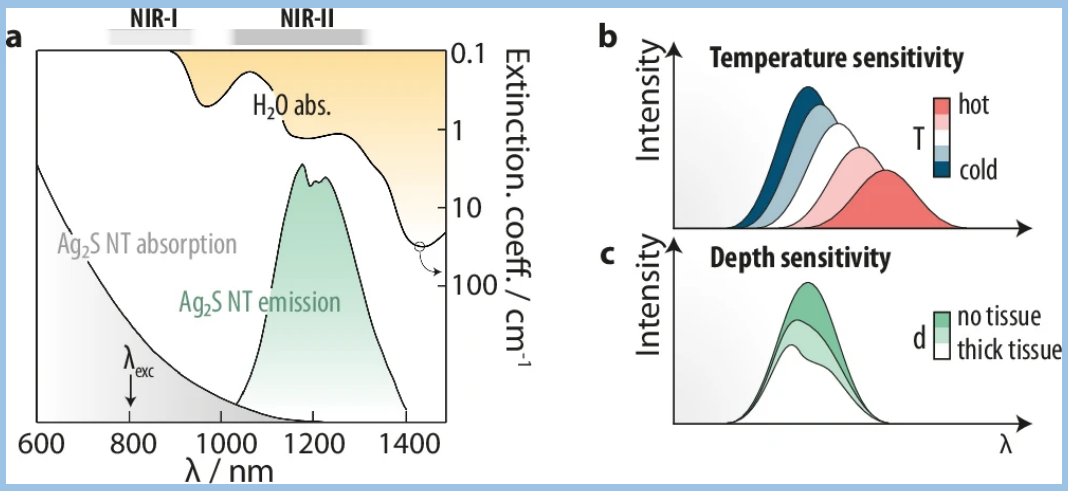


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Cover image:
Figures selected from the articles awarded in the
"Chema Gómez-Rodríguez" Awards to young researchers.

Nicolás Cabrera
University Institute of Materials Science





ACTIVITY REPORT 2025

Edited by Fabrice Leardini in March, 2026

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Foreword

Dear Members of the INC,

Once again, we are pleased to present the annual activity report of the Instituto Nicolás Cabrera (INC), corresponding to the year 2025, a year in which the Institute continued its regular activities with dedication and commitment.

The year 2025 was designated as the International Year of Quantum Science and Technology (IYQ). In this context, both our International Summer School and the INC Colloquia series were strongly oriented towards this research area.

The **XXXI International Summer School Nicolás Cabrera**, entitled *"Quantum Photonic Technologies: A New Realm for Communication and Information Processing,"* was directed by Professors **Luis Viña** and **Carlos Antón-Solanas**. I would also like to highlight that the Rector of the UAM, **Amaya Mendikoetxea**, participated once again in the opening session. We are deeply grateful to the organizers for a highly successful School, remarkable in terms of attendance, scientific content, and financial balance.

Regarding our **Frontiers in Materials Science Colloquia**, we had the pleasure of hosting three distinguished invited speakers: **Serge Reynaud** (France), **Beatriz Noheda** (The Netherlands), and **Tommaso Calarco** (Germany). Both the Summer School and the Colloquia benefited greatly from the support of the **BBVA Foundation**, to whom we express our sincere appreciation for their continued collaboration. As in the previous year, this agreement was managed through the UAM Foundation **(FUAM)**, which also oversaw the administration of both activities.

Finally, on **December 12th**, we held our traditional **Young Researchers Meeting** at the "La Cristalera" residence. The 28th edition gathered more than 80 participants, most of them young researchers associated with the INC. As detailed in this report, the event included the ten Physics students selected to carry out short research projects —made possible thanks to contributions from our departments and from IFIMAC— who presented posters during the meeting. In addition, the two young researchers from the Institute who received the **Chema Gómez-Rodríguez Awards** for outstanding publications (now in its fourth edition) also participated, each delivering an invited talk of excellent quality immediately after the external invited speaker, Professor **Miguel Anaya** from the University of Seville.

This activity report provides detailed information on all these events.

I would also like to invite you to regularly visit the recently updated INC website: **https://www.inc.uam.es/**. Among other relevant information, you will find the list of publications associated with the Institute, organized by year and author through the *Zotero* system. Please feel free to review it at any time and report any errors or omissions concerning your data. As emphasized during the last Institute Council meeting on February 27th, the list of publications included in this Annual Activity Report (also used by the UAM Vice-Rectorate for Scientific Policy to evaluate the activity of research institutes) only includes articles that explicitly mention the INC affiliation. In 2025, we registered more than 110 such publications, though undoubtedly there may be more. Please remember to include ***Instituto Nicolás Cabrera (INC), Universidad Autónoma de Madrid*** in the affiliation section of your articles, as required; otherwise, they cannot be counted.

On our website, you can also consult the current list of Institute members. At present, the INC includes **more than 140 members**, 86 of whom are permanent members according to UAM regulations (the complete list appears in the final section of this report).

For 2026, we have approved a calendar of activities similar to that of previous years, while seeking to further enhance the visibility of INC initiatives. I encourage you to continue participating actively, and to share this information with the students and young researchers in your groups, who are ultimately the main beneficiaries of our efforts to promote, train, and disseminate research in the broad field of Materials Science.

Miguel Ángel Ramos

INC Director

"Nicolás Cabrera" International Summer School"

The **XXXI International Summer School of the Nicolás Cabrera Institute (INC)** was held the week of 31st August-5th September, 2025, at the residence "La Cristalera" in Miraflores de la Sierra, under the title: **"Quantum photonic technologies: a new realm for communication and information processing"**. This edition focused on quantum technologies, in line with the declaration done by the United Nations, that proclaimed **2025** as the **International Year of Quantum Science and Technology** (IYQ).

The School was inaugurated with the presence of the rector of the UAM, Amaya Mendikoetxea, and the director of the INC, Miguel Ángel Ramos, who highlighted the importance of these International Summer Schools and research in the field of quantum technologies. Together with them, the organizers Carlos Antón Solanas and Luis Viña Liste welcomed the participants, creating an environment conducive to the exchange of ideas and collaboration.

The School brought together 54 young researchers (42 PhD students, 6 MSc students and 6 post-doctoral researchers), coming from universities and research centers in Spain, Germany, France, United Kingdom, Switzerland, Austria, Australia and Slovenia. The geographical diversity of the attendees helped to build the international character of the School, offering attendees the opportunity to interact with young researchers from different cultures and perspectives. In addition, 11 internationally renowned researchers from both the universities and public research centers participated, who presented the latest advances in the field of quantum photonics and their applications to communication, metrology, imaging and computing. Moreover, there were 4 invited speakers from the industrial sector.

The attendees were primarily physicists and engineers specialized in quantum optics, photonics and emerging quantum technologies, although students with training in related areas such as quantum computing or materials science also participated.



Group picture of the 2025 International Summer School at the Miraflores de la Sierra site.

The list of speakers who participated in the School (lectures, workshops and special sessions), their affiliations and the topics of their talks is as follows:

Alexander Lvovsky

University of Oxford, UK

"The many faces of optical neural networks"

Gerhard Rempe

Max-Planck-Institut für Quantenoptik, Germany

"An entanglement toolbox for quantum photonics"

Costanza Toninelli

CNR-INO, Italy

"Organic molecules in solids for photonic quantum technologies"

Andrea Litvinov

IQOQI, Austria

"Dipolar quantum gases"

José Capmany

Universitat Politècnica de València, Spain

"Analog programmable photonic computation and information"

Alejandro González Tudela

IFF-CSIC, Spain

"Quantum simulators combining electrons and photons"

Ignacio Cirac

Max-Planck-Institut für Quantenoptik, Germany

"Quantum simulation"

Eleni Diamanti

CNRS, France

"Quantum communication networks"

Sarah Thomas

University of Oxford, UK

"Devices for quantum networks"

Hugues de Riedmatten

ICFO, Spain

"Quantum nodes for quantum repeaters"

Hugo Defienne

Sorbonne Université, France

"Entanglement-enabled quantum imaging"

The invited speakers coming from the industrial sector were:

Niccolo Somaschi

CEO, Quandela, France

Modular architectures of photonic quantum computing

Marta Estarellas

CEO, Qilimanjaro Quantum Tech, Spain

Analog quantum computing with superconducting qubits.

Román Orús

CSO, Multiverse Computing, Spain

Quantum-inspired artificial intelligence algorithms.

Samael Sarmiento

R&D Engineer, LuxQuanta, Spain

Implementation of quantum key distribution (CV-QKD) protocols in real networks.



UAM Universidad Autónoma de Madrid | Instituto Nicolás Cabrera | International Year of Quantum Science and Technology | Fundación BBVA

The "Nicolás Cabrera" International Summer School has been celebrated annually since 1994 and the Fundación BBVA has supported its organization since 2002.

Fundación BBVA

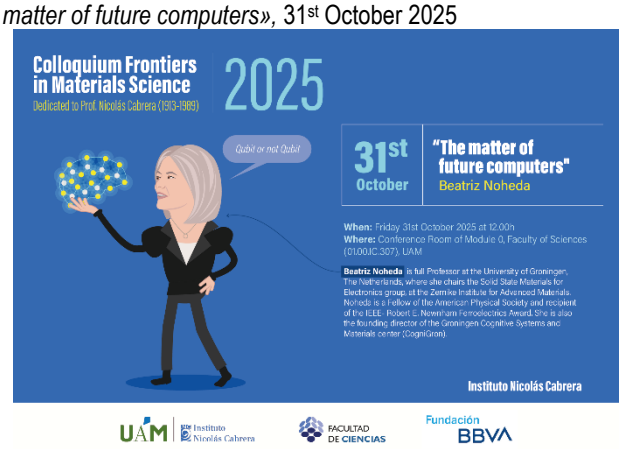
Colloquia

In 2025, three conferences were given as part of the series of colloquiums "**Frontiers in Materials Science**" dedicated to Professor Nicolás Cabrera, in collaboration with the BBVA Foundation:

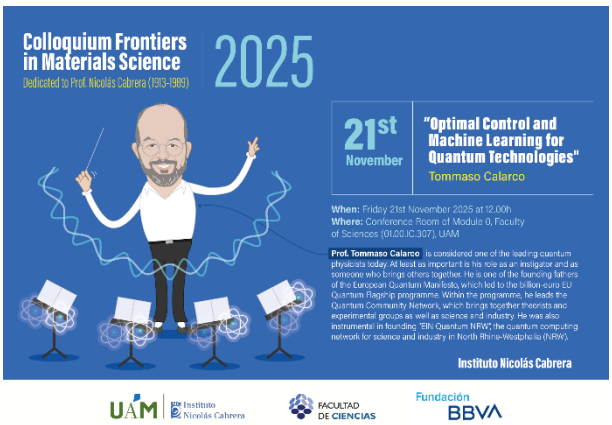
1) **Serge Reynaud** (Laboratoire Kastler Brossel and Sorbonne University, France) *«Vacuum fluctuations and Casimir forces»,* 10th October 2025



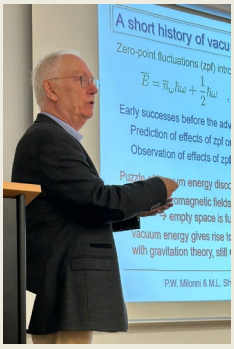
2) Beatriz Noheda (Groningen Cognitive Systems and Materials Center, University of Groningen, The Netherlands) *«The matter of future computers»,* 31st October 2025



3) **Tommaso Calarco** (Institute for Quantum Control, Jülich, Germany) *«Optimal control and machine learning for quantum technologies»,* 21st November 2025



During their brief stay at UAM, Professors Reynaud, Noheda and Calarco visited some research laboratories of related groups to foster new scientific collaborations.









Pictures of the 2025 colloquia given by Professors Reynaud, Noheda and Calarco.

The colloquium series "*Frontiers in Materials Science*" is held annually starting in 2022, following the previous colloquium series "*Frontiers in Condensed Matter Physics*" held annually between 2013 and 2020. Both series are being supported by the BBVA Foundation's "Frontiers in Science and Technology" program since its inception in 2013.

Fundación BBVA

Awards for Undergraduate Physics students

The Nicolás Cabrera Institute awarded 10 prizes funded by the Departments of Theoretical Condensed Matter Physics, Condensed Matter Physics, Applied Physics and Physics of Materials, and by the Condensed Matter Physics Center, IFIMAC (two prizes each). These awards aim to attract physics students towards research groups and to promote the scientific work of the Institute.

The following is the list of the awarded students, together with the titles of their presentations at the XXVIII Young Researchers Meeting:

Department of Theoretical Condensed Matter Physics:

1. Laura Lobato Capuz, “Light-matter interactions under incoherent pumping”
2. Inés Carmen Almena Domínguez, “Studying Vacuum Rabi Oscillations in a Strongly Coupled Atom-Cavity System via Simulated Pump-Probe Spectroscopy”

Department of Condensed Matter Physics:

3. Clara Almudena Molina Rodríguez-Chaves, “Influence of Dimensionality on Optical Absorption and Photocurrent in Chiral Hybrid Perovskites”
4. Aurora Mang Pozuelo Griñán, “Study of Temperature Dependance in Anode-Free Solid-State Batteries Grown Using VE-LEEM”

Department of Applied Physics:

5. Daniel Cambronero Agra, “Study of biological signals using open-source hardware”
6. David Romero Bermejo, “Development of a High-Precision Temperature Controller for Semiconductor Epitaxial Growth”

Department of Materials Physics:

7. Álvaro Castilla Lamas, “Experimental characterization and numerical simulations of excitonic properties in TMD monolayers”
8. Emma López Ortín, “Raman Spectroscopy of Ni-Rich NMC Cathodes”

IFIMAC:

9. Juan Manuel Sánchez Arrua, “Floquet physics in coherently driven quantum systems”
10. Lucía Echevarría Soto, “Moiré polaritons in TMD heterobilayers”



Photograph of the students awarded with the INC prizes.

"Chema Gómez-Rodríguez" Awards for young researchers

The Nicolás Cabrera Institute convened the Third Edition of the "Chema Gómez-Rodríguez" Awards, so named in memory of Professor José María Gómez Rodríguez and financed by the Department of Condensed Matter Physics, to promote the excellent work of the young scientists of the INC recognizing their contributions in high-impact publications during the last year. In this call, 12 applications were submitted, among which the commission made the following selection of students and their corresponding article:

First Prize, Beatriz VIÑA-BAUSÁ, for her publication ***"Building Unconventional Magnetic Phases on Graphene by H Atom Manipulation: From Altermagnets to Lieb Ferrimagnets",*** Nano Letters, 25, 11554−11561 (2025).)

The work demonstrates the possibility of constructing any type of magnetic interactions, both classical and unconventional magnetism, including altermagnetism, on demand and on a single material, graphene, by atom-by-atom engineering using STM assembly. This advance required a combination of complex characterization and theoretical approaches. While not scalable, it represents a remarkable bottom-up approach to a unified platform for studying magnetic phenomena, never reported before. The potential to create any phase via symmetry selection represents a step-change for the field, introducing a paradigm shift in the design of magnetic materials.

The contribution of Beatriz Viña-Bausá is key, comprehensive and highly technical in all steps of the research, from measurements, analysis and conceptualization to group theory and writing.

Second Prize, Liyan MING for her publication ***"Luminescence-enabled three-dimensional temperature mapping",*** Nature Communications, 16:6429 (2025).

This work presents an innovative method for obtaining high-resolution 3D temperature maps of biological tissues, overcoming the current limitation of 2D imaging. Machine learning algorithms are used to process the emission spectra of AgS2 nanothermometers exploiting the generally detrimental tissue-related distortions in temperature and photon extinction. This highly interdisciplinary approach demonstrates the possibility to overtake fundamental optical limitations. It combines multiphoton microscopy and ratiometric analysis to achieve sub-micron accuracy in 3D thermal imaging in living systems. Furthermore, when mechanically coupled, it could identify not just temperature but also stress in the system.

Liyan Ming's contribution is particularly significant, being responsible of the experiments as well as of machine learning code writing, data analysis and validation of the proposed methodology.

The INC's external Scientific Advisory Committee, formed by Alicia de Andrés (ICMM – CSIC, Spain), Pablo Esquinazi (University of Leipzig, Germany), Mari Carmen Asensio (ICMM – CSIC, Spain), Alfredo Alexander-Katz (Massachusetts Institute of Technology, USA) selected the awarded papers.



Photograph of the winners in the delivery of diplomas.

Young Researchers Meeting



Picture of the opening ceremony of the meeting

The XXVIII edition of the Young Researchers Meeting organized by the Instituto Nicolás Cabrera (INC) was a resounding success, bringing together about 80 attendees for a day of scientific exchange and dissemination. The event took place on Friday, December 12, 2025, at "La Cristalera" centre in Miraflores de la Sierra.

The meeting featured a total of 15 oral presentations, with two of them given by the recipients of the prestigious Chema Awards, recognizing outstanding publications in their doctoral research. In addition, 25 research posters were presented by PhD students, and other 10 posters by undergraduate physics students who were honored with awards for their excellent work in the field.

The Young Researchers Meeting provided a unique platform for young researchers and doctoral students conducting research at the INC to present their work in a professional conference format. The event was marked by dynamic discussions, scientific networking, and the exchange of ideas between researchers at all stages of their academic careers.

The **program of the meeting** was:

The opening talk of the event was delivered by Miguel Anaya, a distinguished researcher of the University of Seville, who set the tone for a day of high-level scientific presentations and discussions. The title of his presentation was "Halide perovskites: navigating the challenges towards next-generation photovoltaics".

Next, the students with the "Chema Gómez-Rodríguez" award for the best research works published this year by predoctoral students received their diplomas and presented their research work as a small seminar:

Beatriz Viña-Bausá, "Building unconventional magnetic phases on graphene by H atom manipulation"

Liyan Ming, "Luminescence-enabled three-dimensional temperature mapping"

Later, the Research Awards ceremony for Physics students took place.

Subsequently, there was the first poster session, in which the young researchers presented their communications, including some of the award-winning Physics students who presented the results of their prize-associated research in this format.

In the second session, moderated by Carmen Morant, a selection of communications was presented by the following young researchers:

Gilherme J Ignacio, “Nonlinear photoconductivity from symmetry broken ground states in MoS_2”

Jorge García Inglés, “Conductance oscillations in helicene-based junctions”

Domingo de Guzmán Orero Gámez, “Non-volatile tuning of the Dzyaloshinskii-Moriya interaction in racetracks with ferroelectrics”

Tomás Sintes Pineda, “ESR-STM Theory for Complex Magnetic Systems”

The first activity of the afternoon, moderated by David Hernandez Pinilla, consisted of a new selection of communications presented by young researchers in the following order:

Alejandro Blanco Peces, “Altermagnetism in an interacting model of Kagome materials”

Simran Chourasia, “Hydrogenated graphene as a magnetic playground: exploring unconventional phases and magnons”

David de la Fuente Pico, **“**Engineering and probing very-strong light-matter coupling in patterned multi-quantum well heterostructures with a magnetic field”

Pablo Camarero Linares, “What can CaF2:Nd,Y nanothermometers tell us about heating in U-87 MG multicellular spheroids?”

Joan Ronquillo, “Collective dynamics of plasmonic nanoparticles under optical excitation: Msptools for multiple scattering and emergent structures”

Finally, in the last session, moderated by Jorge García Inglés, four talks were presented by different students in the following order:

Pranav Pradeep, “Direct X-Ray detection of orbital angular momentum at Cu/oxide interfaces”

Alberto Andrino Gómez, “Towards amorphous and superconducting Bi–Sb alloys via swift heavy ion irradiation”

Yago Casado, “Quantifying the action of Hsp70 via molecular simulations”

Felipe Reibnitz Willemann, “Can intense quantum light beat classical uncertainty relations?”





Pictures of the poster session.

Science at INC

The articles published in 2025 by the members of the INC which included the affiliation of INC in the publications reached a total number of 112, which is similar to the numbers published in 2022 (96), in 2023 (109) and in 2024 (128). The complete list of the publications can be found in the following link.

Permanent Members

	PROFESSOR-RESEARCHER	DEPARTMENT
1	Aliev Kazanski, Farkhad	FÍSICA DE LA MATERIA CONDENSADA
2	Álvarez Alonso, Jesús	FÍSICA DE LA MATERIA CONDENSADA
3	Álvarez Carrera, José Vicente	FÍSICA DE LA MATERIA CONDENSADA
4	Arranz de Gustín, Antonio	FÍSICA APLICADA
5	Bausá López, Luisa	FÍSICA DE MATERIALES
6	Benayas Hernández, Antonio	FÍSICA DE MATERIALES
7	Bravo Abad, Jorge	FÍSICA TEÓRICA DE LA MATERIA CONDENSADA
8	Bravo Roldán, David	FÍSICA DE MATERIALES
9	Brihuega Alvarez, Ivan	FÍSICA DE LA MATERIA CONDENSADA
10	Burset Atienza, Pablo	FÍSICA TEÓRICA DE LA MATERIA CONDENSADA
11	Cantelar Alcaide, Eugenio	FÍSICA DE MATERIALES
12	Carrascosa Rico, Mercedes	FÍSICA DE MATERIALES
13	Cervera Goy, Manuel	FÍSICA APLICADA
14	Cinacchi, Giorgio	FÍSICA TEÓRICA DE LA MATERIA CONDENSADA
15	Cuevas Rodríguez, Juan Carlos	FÍSICA TEÓRICA DE LA MATERIA CONDENSADA
16	De Miguel Llorente, Juan José	FÍSICA DE LA MATERIA CONDENSADA
17	De Pablo Gomez, Pedro José	FÍSICA DE LA MATERIA CONDENSADA
18	Del Valle Reboul, Elena	FÍSICA TEÓRICA DE LA MATERIA CONDENSADA
19	Delgado Buscalioni, Rafael	FÍSICA TEÓRICA DE LA MATERIA CONDENSADA
20	Farias Tejerina, Daniel	FÍSICA DE LA MATERIA CONDENSADA
21	Feist, Johannes	FÍSICA TEÓRICA DE LA MATERIA CONDENSADA
22	Fernández Dominguez, Antonio Isaac	FÍSICA TEÓRICA DE LA MATERIA CONDENSADA
23	García Cabañes, Angel	FÍSICA DE MATERIALES
24	García Carretero, Basilio Javier	FÍSICA APLICADA
25	García López, Gastón	CMAM
26	García Michel, Enrique	FÍSICA DE LA MATERIA CONDENSADA
27	García Vidal, Francisco José	FÍSICA TEÓRICA DE LA MATERIA CONDENSADA
28	Gómez Herrero, Julio	FÍSICA DE LA MATERIA CONDENSADA
29	Gómez Santos, Guillermo	FÍSICA DE LA MATERIA CONDENSADA
30	Gómez-Navarro Gonzalez, Cristina	FÍSICA DE LA MATERIA CONDENSADA
31	Gordillo García, Nuria	FÍSICA APLICADA
32	Guantes Navacerrada, Raúl	FÍSICA DE LA MATERIA CONDENSADA
33	Guillamón Gómez, Isabel	FÍSICA DE LA MATERIA CONDENSADA
34	Gutiérrez Delgado, Alejandro	FÍSICA APLICADA
35	Haro González, Patricia	FÍSICA DE MATERIALES
36	Hernández Muñoz, María Jesús	FÍSICA APLICADA
37	Jaque García, Daniel	FÍSICA DE MATERIALES
38	Jiménez Ferrer, Isabel	FÍSICA DE MATERIALES
39	Lazic, Snezana	FÍSICA DE MATERIALES
40	Leardini, Fabrice	FÍSICA DE MATERIALES
41	Lee, Eduardo Jian Hua	FÍSICA DE LA MATERIA CONDENSADA

42	Levy Yeyati Mizrahi, Alfredo	FÍSICA TEÓRICA DE LA MATERIA CONDENSADA
43	Lifante Pedrola, Ginés	FÍSICA DE MATERIALES
44	López Vázquez de Parga, Amadeo	FÍSICA DE LA MATERIA CONDENSADA
45	Manso Silván, Miguel	FÍSICA APLICADA
46	Marchetti, Francesca	FÍSICA TEÓRICA DE LA MATERIA CONDENSADA
47	Marqués Ponce, Manuel Ignacio	FÍSICA DE MATERIALES
48	Martín Fernández, María Dolores	FÍSICA DE MATERIALES
49	Martín Palma, Raúl José	FÍSICA APLICADA
50	Martín Rodríguez, Emma	FÍSICA APLICADA
51	Martínez Galera, Antonio Javier	FÍSICA DE MATERIALES
52	Merino Álvarez, José Manuel	FÍSICA APLICADA
53	Merino Troncoso, Jaime	FÍSICA TEÓRICA DE LA MATERIA CONDENSADA
54	Miguez Gómez, David	FÍSICA DE LA MATERIA CONDENSADA
55	Molina de Pablo, Pablo	FÍSICA DE MATERIALES
56	Morant Zacares, Carmen	FÍSICA APLICADA
57	Ortega Mateo, José	FÍSICA TEÓRICA DE LA MATERIA CONDENSADA
58	Ortgies, Dirk	FÍSICA DE MATERIALES
59	Otero Martín, Roberto	FÍSICA DE LA MATERIA CONDENSADA
60	Palacios Burgos, Juan José	FÍSICA DE LA MATERIA CONDENSADA
61	Pampillón Arce, María Ángela	FÍSICA APLICADA
62	Pau Vizcaíno, José Luis	FÍSICA APLICADA
63	Pérez Casero, Rafael	FÍSICA APLICADA
64	Pérez Pérez, Rubén	FÍSICA TEÓRICA DE LA MATERIA CONDENSADA
65	Plaza Canga-Argüelles, José Luis	FÍSICA DE MATERIALES
66	Polop Jordá, Celia	FÍSICA DE LA MATERIA CONDENSADA
67	Prieto Recio, Mª del Pilar	FÍSICA APLICADA
68	Prins, Ferry	FÍSICA DE LA MATERIA CONDENSADA
69	Quintanilla Morales, Marta	FÍSICA DE MATERIALES
70	Ramirez Herrero, María de la O	FÍSICA DE MATERIALES
71	Ramos Ruiz, Miguel Angel	FÍSICA DE LA MATERIA CONDENSADA
72	Redondo Cubero, Andrés	FÍSICA APLICADA
73	Rodrigo Rodríguez, José Gabriel	FÍSICA DE LA MATERIA CONDENSADA
74	Rodriguez Arriaga, Laura	FÍSICA TEÓRICA DE LA MATERIA CONDENSADA
75	Rubio Bollinger, Gabino	FÍSICA DE LA MATERIA CONDENSADA
76	Sánchez Rodrigo, Rafael	FÍSICA TEÓRICA DE LA MATERIA CONDENSADA
77	Segovia Cabrero, Pilar	FÍSICA DE LA MATERIA CONDENSADA
78	Seijo Loché, Luis Ignacio	QUÍMICA
79	Soler Torroja, José Mª	FÍSICA DE LA MATERIA CONDENSADA
80	Suderow Rodriguez, Hermann	FÍSICA DE LA MATERIA CONDENSADA
81	Tabares Jiménez, Gema	FÍSICA APLICADA
82	Torres Costa, Vicente	FÍSICA APLICADA
83	Van der Meulen, Herko	FÍSICA DE MATERIALES
84	Velasco Caravaca, Enrique	FÍSICA TEÓRICA DE LA MATERIA CONDENSADA
85	Viña Liste, Luis	FÍSICA DE MATERIALES
86	Zotti, Linda Angela	FÍSICA TEÓRICA DE LA MATERIA CONDENSADA

Non Permanent Members

PhD

	PROFESSOR-RESEARCHER	DEPARTMENT
1	Acosta García, María Fernanda	FÍSICA APLICADA
2	Agulló López, Fernando	FÍSICA DE MATERIALES
3	Anton Solanas, Carlos	FÍSICA DE MATERIALES
4	Aragones Gómez, Juan L.	FÍSICA TEÓRICA DE LA MATERIA CONDENSADA
5	Ares García, Pablo	FÍSICA DE LA MATERIA CONDENSADA
6	Arroyo Huidobro, Paloma	FÍSICA TEÓRICA DE LA MATERIA CONDENSADA
7	Assenza, Salvatore	FÍSICA TEÓRICA DE LA MATERIA CONDENSADA
8	Burzurí Linares, Enrique	FÍSICA DE LA MATERIA CONDENSADA
9	Di Bernardo, Iolanda	FÍSICA DE LA MATERIA CONDENSADA
10	Fernández Cuñado, José Luis	FÍSICA DE LA MATERIA CONDENSADA
11	Gallach, Darío	FÍSICA APLICADA
12	Garnica Alonso, Manuela	IMDEA Nanociencia
13	González Herrero, Héctor	FÍSICA DE LA MATERIA CONDENSADA
14	Hernández Pinilla, David	FÍSICA DE MATERIALES
15	Hernando Pérez; Mercedes	FÍSICA DE MATERIALES
16	Herrera Vasco, Edwin	FÍSICA DE LA MATERIA CONDENSADA
17	Martín Cano, Diego	FÍSICA TEÓRICA DE LA MATERIA CONDENSADA
18	Miranda Soriano, Rodolfo	FÍSICA DE LA MATERIA CONDENSADA
19	Monreal Vélez, Rosa	FÍSICA TEÓRICA DE LA MATERIA CONDENSADA
20	Sánchez López, Carlos	FÍSICA DE MATERIALES
21	Sanz García, Juan Antonio	FÍSICA DE MATERIALES
22	Tarazona Lafarga, Pedro	FÍSICA TEÓRICA DE LA MATERIA CONDENSADA
23	Tavares de Sousa, Célia	FÍSICA APLICADA
24	Tejedor de Paz, Carlos	FÍSICA TEÓRICA DE LA MATERIA CONDENSADA
25	Tiene, Antonio	FÍSICA TEÓRICA DE LA MATERIA CONDENSADA
26	Vélez Centoral, Saül	FÍSICA DE LA MATERIA CONDENSADA
27	Vélez Tirado, Marisela	Biocatalisis
28	Vieira Díaz, Sebastián	FÍSICA DE LA MATERIA CONDENSADA
29	Yndurain Muñoz, Félix	FÍSICA DE LA MATERIA CONDENSADA

NON PhD

	RESEARCHER	DEPARTMENT
1	Almanza Vergara, Gabriel Eduardo	FISICA DE LA MATERIA CONDENSADA
2	Andreato, Emily	FÍSICA DE MATERIALES
3	Andrino Gómez, Alberto	FÍSICA DE LA MATERIA CONDENSADA
4	Aznar, Yaiza	FÍSICA APLICADA

5	Bermúdez Pérez, José David	FÍSICA DE LA MATERIA CONDENSADA
6	Blanco Peces, Alejandro	FÍSICA TEÓRICA DE LA MATERIA CONDENSADA
7	Camarero Linares, Pablo	FÍSICA DE MATERIALES
8	Campusano Cortés, Richard A.	FÍSICA TEÓRICA DE LA MATERIA CONDENSADA
9	Dávila Pérez, Ana Candelaria	FÍSICA DE MATERIALES
10	Díaz Sánchez, Jesús	FÍSICA DE LA MATERIA CONDENSADA
11	Elmoselhy Elmaghazy, Salah	FÍSICA DE LA MATERIA CONDENSADA
12	Escobar Ortiz, Arin	FÍSICA TEÓRICA DE LA MATERIA CONDENSADA
13	Fernández Alonso, Francisco Javier	FÍSICA APLICADA
14	Fernández Martínez, Javier	FÍSICA DE MATERIALES
15	Geva, Galor	FÍSICA TEÓRICA DE LA MATERIA CONDENSADA
16	González Sánchez, Celia	FÍSICA DE LA MATERIA CONDENSADA
17	Hernández Martín, Pablo	FÍSICA DE LA MATERIA CONDENSADA
18	Lecumberri, Diego	FÍSICA APLICADA
19	Magrinyá Aguiló, Paula	FÍSICA TEÓRICA DE LA MATERIA CONDENSADA
20	Martinez Morillo, María Jesús	FÍSICA DE MATERIALES
21	Ming, Liyan	FÍSICA DE MATERIALES
22	Panov, Nikita	FÍSICA DE MATERIALES
23	Paspalides, Christos	FÍSICA DE MATERIALES
24	Rincón Arroyo, Esther	FÍSICA DE MATERIALES
25	Segovia Oller, Belén	FÍSICA APLICADA
26	Tinao Nieto, Berta	FÍSICA TEÓRICA DE LA MATERIA CONDENSADA
27	Vidal Martínez-Pons, Juan Vicente	FÍSICA DE MATERIALES

27% of the INC's permanent members are women.

28% of the INC's non-permanent members (PhD) are women.

37% of the INC's non-permanent (non-PhD) members are women.

Instituto Nicolás Cabrera

Board:

Director: Miguel Angel Ramos Ruiz
Deputy director: Fabrice Leardini
Secretary: Nuria Gordillo

Steering Committee:

Carmen Morant

Mª Dolores Martín

Celia Polop

Rafael Sánchez

Scientific Advisory Committee:

Alicia de Andrés Miguel

Pablo Esquinazi

Mari Carmen Asensio

Alfredo Alexander-Katz

Social media Manager: Gema Tabares

Campus Internacional excelencia UAM CSIC+

UAM Universidad Autónoma de Madrid

ANEXO con la liquidación del 2025

EJECUCIÓN DEL PRESUPUESTO 2025

Presupuestos y balance final para el ejercicio 2025 del Instituto NICOLÁS CABRERA	
a) Estimación Ingresos de la FBBVA para la Escuela de Verano 2025	47.000,00 €
b) Estimación Ingresos por inscripciones Escuela de Verano 2025	24.000,00 €
c) Estimación Ingresos de la FBBVA para los Coloquios	3.000,00 €
d) Estimación Ingresos para 11 (10) Premios de Investigación para estudiantes de Física (1.600€ de los Dpto. de Física de la Mat. Condensada; Física de Materiales; Física Teórica de la Mat. Condensada; Física Aplicada; IFIMAC)	16.000,00 €
e) Ingresos Premios Chema Gómez Rodríguez con aportación del Dpto. Física de la Mat. Condensada	1.765,00 €
g) Ingresos contrato programa de la UAM	4.100,00 €
TOTAL INGRESOS	95.865,00 €
a) Gastos Escuela de Verano 2025	56.871,92 €
b) Gastos para 3 coloquios	3.247,28 €
c) Gastos para 11 (10) Premios de Investigación para estudiantes de Física 2025	16.000,00 €
d) Gastos Premios Chema Gómez Rodríguez	1.765,00 €
e) Gastos Jornada de Jóvenes Investigadores	4.335,00 €
f) Gastos generales y de funcionamiento (incluyendo web)	1.402,46 €
TOTAL GASTOS	83.621,66 €
BALANCE	12.243,34 €