

Centro de Investigación Científica y de Educación Superior de Ensenada,  
Baja California.

## OPEN CALL

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### TENURE-TRACK RESEARCH POSITION IN OPTICS

The Center for Scientific Research and Higher Education of Ensenada (CICESE), calls for an open competition to occupy a tenure-track position at its Department of Optics of the Division of Applied Physics.

### ABOUT THE OPTICS DEPARTMENT

The Department of Optics is a well-established department of more than 45 years. It fulfills two fundamental academic activities: on the one hand, it carries out basic and applied research in the field of optics and photonics; on the other, it is dedicated to training young researchers through Master and PhD programs in optics.

The Department of Optics has a staff of 20 tenured researchers and 4 researchers from the "Researchers for Mexico" program of CONACyT (Mexico's equivalent of USA's NSF). Most of the researchers have international prestige and belong to Mexico's "Sistema Nacional de Investigadores" (National System of Researchers).

The research lines currently being developed at the Department of Optics are light scattering, optical fibers, image processing, nonlinear optics, lasers, laser processing of materials, advanced microscopy, integrated optics, optical sensors, plasmonics, optics and quantum information, nano-optics and biophotonics.

### CHARACTERISTICS AND REQUIREMENTS:

The Department of Optics offers a tenure-track position to reinforce its current research activities and possibly start a new line of research.

#### Profile:

We are seeking a candidate that can carry out cutting-edge scientific research on topics that are also attractive to our postgraduate students.

#### Academic requirements:

- PhD in Science or Engineering.
- Postdoctoral or equivalent experience.

#### Experience and skills:

- Experience in scientific research in optics and the publication of peer-reviewed publications

Centro de Investigación Científica y de Educación Superior de Ensenada,  
Baja California.

## OPEN CALL

---

in reputable journals. A minimum of 5 publications is required; the candidate must be main the author in at least two of them (first author or corresponding author).

- Experience in the dissemination of scientific knowledge (for example, academic seminars, popular articles, conference participations and proceedings).

### Aspects that will be taken into consideration:

- Experience in thesis supervision.
- Experience in obtaining funds for research.
- Potential to carry out independent research, which will be evaluated mainly by the candidate's publications in high-impact journals.
- Experience in obtaining projects within the social, governmental or productive sectors.
- Ability and willingness to carry out interdisciplinary work and to interact with other groups at CICESE and neighboring institutions, on topics such as biophotonics, quantum optics and information, optical communications, renewable energies and nano-photonics, to name a few examples.

### Activities:

- Carry out original and cutting-edge research in the candidate's area of expertise.
- Teach graduate courses in optics.
- Supervise master's and doctoral theses in optics.
- Propose research projects and seek funding for research.
- Collaborate on multidisciplinary projects with other researchers of the Department of Optics and of other research centers.
- Participate in the activities of the academic life of the Department of Optics, such as the development of new courses as well as updating existing courses, science dissemination activities, promotion of our programs, among others.

### EVALUATION PROCEDURES:

The applications will be reviewed by an internal Department of Optics committee that will make a pre-selection among those that meet the "Characteristics and Requirements" described above. After this pre-selection, the files will be turned over to an external Selection Committee, which will choose the candidates to be interviewed and invited to present a job proposal and a departmental seminar. The recommendation of the Selection Committee will be submitted to the Internal Council of the Division of Applied Physics and, subsequently, to the Internal Technical Advisory Council. Final approval will be granted by the Director General of CICESE. If no application meets the profile sought, the contest will be declared void and a new call will be published.

Centro de Investigación Científica y de Educación Superior de Ensenada,  
Baja California.

## OPEN CALL

---

### SALARY:

The researcher's income will be based on the following: (a) A salary that depends on the category assigned to the candidate; (b) benefits such as medical insurance, savings fund, and others; (c) productivity bonuses.

In addition, CICESE researchers have the possibility of supplementing their income by requesting a scholarship from the Sistema Nacional de Investigadores (SNI, National System of Researchers).

### REQUIRED DOCUMENTS:

- Updated Curriculum Vitae.
- Letter of Purpose that expresses what the candidate would contribute to the institution.
- Two letters of recommendation; these must be sent directly to the Head of the Department by the recommenders (not by the applicants).
- Official documentation that certifies your highest level of studies.

Documents must be sent via email and in PDF format.

CONTACT:	<b>Dr. Israel Rocha Mendoza</b> Head of the Optics Department. mail: <a href="mailto:jefatura_optica@cicese.edu.mx">jefatura_optica@cicese.edu.mx</a> Extensión: 25077
Deadline for receipt of documents:	<b>september 30<sup>th</sup>, 2022</b>

**Publication date: May 27<sup>th</sup>, 2022**

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## OPEN CALL

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### ATTACHMENT SALARY AND BENEFITS 2022

Category	Level	Gross monthly salary (Mexican pesos)
Researcher	C	\$42,730.40
Researcher	B	\$40,974.05
Researcher	A	\$39,218.05
Associate Researcher	C	\$35,706.20
Associate Researcher	B	\$31,608.95
Associate Researcher	A	\$30,204.30

The category will be assigned by an External Commission in accordance with CICESE's Academic regulations. This base salary is supplemented by the benefits described below.

Centro de Investigación Científica y de Educación Superior de Ensenada,  
Baja California.

## OPEN CALL

### PRESTACIONES DEL PERSONAL DE INVESTIGACIÓN 2022 (Benefits in addition to salary)

**Cláusula 23** Incentivos económicos por productividad de los trabajadores. (Economic Productivity Incentive).

**Cláusula 25.** Cursos de posgrado impartidos. (Academic teaching postgraduate courses).

**Cláusula 29** Del aguinaldo. (40 días de salario) (Christmas bonus 40 days of salary).

**Cláusula 30-bis.** De la prima quinquenal (Después de 5 años de antigüedad) (Quinquennial Premium).

**Cláusula 31** De la prima vacacional. (Vacation Premium 12 days of salary).

**Cláusula 33** Del fondo de ahorro. (Savings fund). (6% of the monthly salary contributed by CICESE as savings fund, paid every November, in addition to the 6% from the employee).

**Cláusula 34** De la ayuda de despensa. (Catorcenales \$528.00 en monedero electrónico) (Grocery\*).

**Cláusula 34 BIS** De la ayuda de transporte (Catorcenales \$371.00 en monedero electrónico) (Transportation\*).

**Cláusula 37** De los seguros, prestaciones y servicios obligatorios del ISSSTE. (Social benefits: social security, housing fund)

**Cláusula 39** De la estancia infantil. (Kindergarten).

**Cláusula 40** Del seguro de vida (Life insurance).

**Cláusula 41** De la canastilla. (Newborn basket).

**Cláusula 42** Del menaje de casa. (Manage of household effects refund).

**Cláusula 43** De la ayuda para lentes oftálmicos. (Ophthalmic lenses refund).

**Cláusula 45** De la ayuda de aparatos ortopédicos, auditivos y sillas de ruedas. (Orthopedic devices).

**Cláusula 46** Apoyo de enfermería. (Nursing service).

**Cláusula 47** De las becas para cursos de idiomas. (Scholarships for language courses).

**Cláusula 49 BIS.** Becas para hijos de trabajadores. (Scholarships for worker's children).

**Cláusula 50** Del día de la madre y del día del padre. (Mother's day & Father's day celebration).

**Cláusula 51** De la dote matrimonial. (Marriage dote).

**Cláusula 54** De las prestaciones para los trabajadores académicos y técnicos. (Material didáctico equivalente al 6% de su salario tabular mensual) (Didactic material\*).

**Periodo Sabático** (después de 6 años de antigüedad) (Sabbatical period).

**Cláusula 55** De los días de descanso. (Los días laborales son de lunes a viernes) (Working days, discretionary rest days and holidays).

**Cláusula 56** Del período vacacional. (20 días hábiles de vacaciones cada año, dos períodos de diez cada uno, después de un año de labores) (Vacations 20 days a year).

**Cláusula 58** Del permiso por matrimonio. (Marriage leave).

**Cláusula 60** De la licencia por maternidad, paternidad o adopción. (Maternity or adoption leave).

**Cláusula 60 Bis.** Licencia por defunción de familiar (Family death leave).

**Cláusula 73** Seguro de gastos médicos mayores. (Major medical expenses insurance).

**Cláusula 75** Pago por defunción. (Death payment)

**Cláusula 76** Del pago de marcha.

**Cláusula 77** Del seguro de retiro. (Retirement insurance).

**Cláusula 78** De la vivienda. (Housing)

**Cláusula 79** De la prima de antigüedad. (Labor antiquity prime).

**Cláusula 80** Del reconocimiento por antigüedad (Recognition of labor antiquity).

**Cláusula 81** Pago por retiro voluntario. (Voluntary retirement).

**Cláusula 81 Bis.** Pago Único por baja del Servicio. (Single payment for voluntary retirement).

\* Paid by electronic wallet bonus.