

THE NATIONAL POLYTECHNICAL INSTITUTE and the Biotechnology IPN Network

Call for candidates to the

DOCTORATE IN SCIENCES IN BIOTECHNOLOGY ([Multi Site Program](#))

Belonging to the National System of Certified Postgraduate Program (Programa Nacional de Posgrados de Calidad del CONACYT, (PNPC 02192) full time research program, to start in January, 2020

Official academic units (sites) of application:



Centro de Biotecnología Genómica (**CBG**) Reynosa, Tamaulipas



Centro de Investigación en Biotecnología Aplicada (**CIBA**). Tlaxcala, Tlaxcala



Centro Interdisciplinario de Investigación para el Desarrollo Integral Regional- Unidad Durango (**CIIDIR-DURANGO**) Durango, Durango



Centro Interdisciplinario de Investigación para el Desarrollo Integral Regional- Unidad Sinaloa (**CIIDIR-SINALOA**) Guasave, Sinaloa



Escuela Nacional de Ciencias Biológicas (**ENCB**), Ciudad de México



Escuela Nacional de Medicina y Homeopatía (**ENMH**), Ciudad de México

Curriculum

The program of the Doctorate in Sciences in Biotechnology (DCB) is structured in 8 semesters and includes four compulsory subjects (research Seminars I, II, III (with itinerant academic unit), and an elective subject, to be designated according to the curriculum approved by the Tutorial Committee), and the development of a research thesis that makes an original contribution to biotechnological knowledge (thesis work), which will be demonstrated by the publication of related results in an international indexed journal (JCR) of the area. The total number of program credits is 120.

Research Lines (LGAC's)

1. Aquaculture and Livestock Biotechnology
2. Agrofood Biotechnology
3. Environmental Biotechnology and Sustainable Resource Management
4. Medical Biotechnology and Pharmaceuticals
5. Structural, Chemical and Bioinformatics Characterization

For more information on the academic program refer to the following page:

<http://www.dcb.rsip.ipn.mx>

Admission Requirements

To be eligible to apply, you must meet the following requirements, in adherence to the Regulation of Postgraduate Studies of IPN (REP art. 8):

- I. To have a bachelor's degree or equivalent document for applicants who have studied abroad.
- II. To possess the degree or the master's degree exam record; and have a minimum final average of 8.0/10.0 (eight zero point) or its equivalent in its certificate and have done it in a program related to the area of Biotechnology.
- III. To approve the admission process.
- IV. To accredit with a minimum grade of eight or equivalent, the level of knowledge of the English language or another defined and justified by the College of Graduate Teachers, in three of the following skills: reading comprehension, listening comprehension, written expression or oral expression, or its equivalents; based on level B1 of the Common European Framework of Reference for Languages, endorsed by the Directorate of Training in Foreign Languages (DFLE) of the IPN.

- V. Not having caused definitive withdrawal in any program of the Institute, by reasoned and motivated resolution of the Academic College (CAP-IPN), unless it has been revoked by said collegiate body.
- VI. For this program the revalidation of learning units will not be accepted (art. 17 of the REP)

Admission Process

1. Fill out the application (online or by sending the application form by email, depending on the selected academic unit) and also send the Personal Documentation file (see listing below), as a single pdf file (see section of participating academic units for the specific coordinator's email address to use).
2. Accredite the academic evaluation with ONE of the three evaluation mechanisms specified below, and send the current official proof to the selected academic unit coordinator:
 - a) EXANI III of CENEVAL (minimum score of 1000)
 - b) GRE (EST minimum 300 points)
 - c) General knowledge exam (must be carried out at the corresponding academic unit)

Note: In the case of the GRE exam, you must provide the following information within the list of institutions accepted by ETS:

Code: 4636 Instituto Politecnico Nacional - Centro de Biotecnologia Genomica

Country: Mexico

In the case of students graduated from master's degrees with research orientation of the IPN, who are within the PNPC-CONACYT standard, related to the lines of research of the program, the Admission committee may omit the presentation of this requirement

3. Have the written support of a Professor with whom the thesis is intended to be developed (letter of application, document # 9 of the Personal Documentation file). Additionally, two letters of academic recommendation, which will be sent by email directly to the coordinator of the academic unit of interest.

4. To attend and approve the interview with the Admission Committee on the dates and times established in this call (face-to-face) or electronically (videoconference) on the day and time defined by the Academic Unit (consult the specific coordinator).
5. The result of the admission process will be communicated to the applicant via email, which will be unappealable.
6. In consideration of the guidelines of the program, a maximum of 90 STUDENTS (15 PER ACADEMIC UNIT) will be accepted, and enrolment will be covered with applicants who meet all the requirements of the admission process.
7. In the event that the number of applicants exceeds the maximum enrolment limit, the academic tiebreaker criteria established by the General Program Coordination will be applied.
8. All unforeseen situations will be resolved in accordance with the Regulation of Postgraduate Studies of the National Polytechnic Institute.
9. Cover the applicable amounts of the admission process as indicated by the Academic Unit

The archive of [Personal Documentation \(pdf format\)](#) must include:

1	Official ID with photography (preferably passport)
2	Birth certificate. For non-Mexicans, the apostille or legal document has to be presented, officially translated to Spanish language
3	CURP (only Mexicans)
4	Bachelor degree diploma. If studies were carried out in a non-Mexican institution, the apostille or legal document has to be presented, officially translated to Spanish language.
5	<i>Curriculum vitae</i> (free format)
6	Masters' degree diploma and examination certificate. If studies were carried out in a non-Mexican institution, the apostille or legal document has to be presented, officially translated to Spanish language.
7	Masters' studies transcript, showing the courses and global score obtained, and the grading scale used by the institution. If studies were carried out in a non-Mexican institution, the apostille or legal document has to be presented, officially translated to Spanish language
8	English language certificate level B1 according to the Common European Framework of Reference: CENLEX (IPN, Santo Tomás and Zacantenco), CELEX, Cambridge Assessment English (PET, IELTS), Trinity College (ISE), Educational Testing Service (TOEFL IBT, TOEFL ITP, TOEIC), Secretaría de Educación Pública (CENNI). The certificate (except CENLEX) will be sent to DFLE-IPN for its validation.
9	Postulation letter subscribed by a eligible Professor belonging to the Doctorate Academic Core (NAB) of the chosen Academic Unit, stating their willingness to receive and direct the candidate (free format)

Important dates

Admission process activities	Mexican candidates	Foreign candidates
	Period/Dead line of delivery	
<i>On line registration and e-mail delivery of the Personal Documentation (pdf) file</i>	From call publication up to the 29 th of November	From call publication up to the 11th of October
<i>Academic evaluation (live exam in the academic unit) or GRE or EXANI III certificate delivery</i>	From the 2 nd to the 12 th of December	The 17th of October
<i>Interview with the Admission Committee</i>	The 13 th of December	The 18th of October
<i>Admission results delivery via e-mail</i>	The 20 th of December	The 25th of October
<i>IPN registration</i>	From the 13th to 17th of January, 2020	
<i>Start of semester</i>	January the 20th, 2020	

Note: Accepted foreign candidates will receive the official acceptance letter by the 28 of October by email, with copy to the CONACYT (Mexican Science Council) according to their official procedure (<http://www.conacyt.gob.mx/images/Becas/2019/VISATEMP-19.pdf>) in order to inform the Foreign Affairs Secretariat (SRE) the names and nationalities of the accepted candidates, and they can officially inform the corresponding Mexican consulates, to facilitate the process of obtaining a visa as Temporary Resident Student (TRTE).

Academic sites details

CENTRO DE BIOTECNOLOGÍA GENÓMICA (**CBG**), Boulevard del Maestro S/N esq. Elías Piña, Col. Narciso Mendoza, C.P. 88710, Apartado Postal No. 152, Cd. Reynosa, Tam., México. Teléfonos: 55 57 29 60 00 Ext. 87726 ó al 899 924 3627. Informes Dra. Claudia Patricia Larralde Corona. E-mail: plarralde@ipn.mx .

CENTRO DE INVESTIGACIÓN EN BIOTECNOLOGÍA APLICADA (**CIBA**), Carretera Estatal Santa Inés Tecuexcomac-Tepetitla Km 1.5, Tepetitla de Lardizábal, Tlaxcala, C.P. 90700, Teléfonos: 55 57 29 60 00, Ext. 87837 y 87802 ó al 248 48 70 765 o. Informes Dra. María del Carmen Cruz López. E-mail: ccruzl@ipn.mx. Departamento de investigación y posgrado CIBA Tlaxcala, cibaposgrado@hotmail.com, 55-5729-6000 ext. 87815 o 248 487 0762.

CENTRO INTERDISCIPLINARIO DE INVESTIGACIÓN PARA EL DESARROLLO INTEGRAL REGIONAL, UNIDAD DURANGO (**CIDIR-DURANGO**), Sigma No. 119 Fracc. 20 de Noviembre II, Durango, Dgo. C.P. 34220. Teléfonos 55 57 29 60 00, Ext. 82648, 82642, 82624 ó al 618 814 2091 o. Informes Dr. Carlos Galaviz Hernández E-mail: cgalaviz@ipn.mx, carlosgalavizhernandez55@gmail.com, aquezadad@ipn.mx.

CENTRO INTERDISCIPLINARIO DE INVESTIGACIÓN PARA EL DESARROLLO INTEGRAL REGIONAL, UNIDAD SINALOA (**CIIDIR-SINALOA**), Boulevard Juan de Dios Bátiz Paredes No. 250, Col. San Joachin, C.P. 81101 Guasave, Sinaloa. Teléfonos: 55 57 29 60 00, Ext. 87646 ó al 687 8729626 y 8729625 o. Informes Dr. Píndaro Álvarez Ruíz E-mail: palvarez@ipn.mx , posgradossiloa@ipn.mx .

ESCUELA NACIONAL DE CIENCIAS BIOLÓGICAS (**ENCB**), Prolongación Carpio y Plan de Ayala s/n Col. Casco de Santo Tomás, México D.F. C.P. 11340, Teléfono: 55 57 29 60 00, Ext. 57872. Informes Dra. Rosalva Mora Escobedo. E-mail: mora@ipn.mx, becas.encb@gmail.com.

ESCUELA NACIONAL DE MEDICINA Y HOMEOPATÍA (**ENMH**). Av. Guillermo Massieu Helguera No. 239 Col. La Escalera. C.P. 07320, Teléfono: 55 57 29 6000, Ext. 55583. Informes Dra. Aracely Evangelina Chávez Piña E-mail: achavezp@ipn.mx , enmh.posgrado.ipn@gmail.com.