

2024 Postdoctoral Fellowships Universidad Panamericana

Universidad Panamericana (UP) is a Mexican private university that places emphasis on academic rigor and human excellence. It is an institution with a Catholic ethos and a corporate work of Opus Dei.

UP is currently accepting applications for several postdoctoral positions set to commence in **July-August 2024** or at a later, mutually agreed-upon date. The university is looking for candidates in various fields:

Guadalajara campus

- **Psychology** with an emphasis in clinical psychology and developmental psychology topics (see related profile in **Annex 1**).
- **Food Science** with an emphasis on biotechnology and development of new products (see related profile in **Annex 2**).
- **International Law** with emphasis on International Arbitration, International Contract Law, or Sports Law (see related profile in **Annex 3**).
- **Applied Artificial Intelligence** (see related profile in **Annex 4**).
- **Cutting and packing optimization** (see related profile in **Annex 5**).
- **Numerical Optimization** (Metaheuristic algorithms, System optimization) (see related profile in **Annex 6**).
- **Humanities** (see related profile in **Annex 7**).

Mexico City campus

- **Practical Philosophy and/or History of Philosophy** (see related profile in **Annex 8**).
- **Media, Religion Corporate Communications & Politics** (see related profile in **Annex 9**).
- **Hospitality Management** (see related profile in **Annex 10**).

Aguascalientes campus

- **Architecture** (see related profile in **Annex 11**).
- **Food Business Management** (see related profile in **Annex 12**).
- **Law** (see related profile in **Annex 13**).
- **History of Philosophy and/or Modern Thought and Its Representation in Art** (see related profile in **Annex 14**).

To be eligible for the fellowship, applicants must hold a Ph.D. in a related field that was conferred before the fellowship's commencement date, but no earlier than 2019. Candidates with a robust research background and the ability to work independently and in a team, setting will be preferred. Individuals who have outstanding academic accomplishments and previous teaching experience are particularly encouraged to submit their applications.

Postdoctoral fellows are expected to carry out a range of responsibilities, which include teaching the number of classes that the academic areas require, collaborating with a full professor on a research project, and publishing their work in association with Universidad Panamericana. They may also be assigned to supervise thesis work. While fluency in Spanish is preferred, they are permitted to perform their duties in English.

The university offers a monthly fellowship award of \$1,500 USD and medical insurance for the scholarship duration. To apply, interested candidates should email vgi@up.edu.mx with the following required information in a single PDF file:

1. Two academic papers; at least one must be published (or accepted for publication) in a journal indexed in Scopus or Web of Science.
2. Two letters of recommendation, with at least one addressing the candidate's teaching ability.
3. A research plan outlining the project and expected deliverables.
4. Doctoral thesis with the name and affiliation of the candidate's thesis supervisor(s).
5. A copy of the candidate's doctoral degree.
6. A cover letter expressing their interest in the position and highlighting their qualifications.
7. Curriculum Vitae and a brief biography.

Candidates must submit applications by January 31, 2024. The position is subject to budgetary approval and results will be published on the website www.up.edu.mx/investigacion-convocatorias/ by April 30, 2024. Inquiries can be directed to vgi@up.edu.mx.

Annex 1

Ph.D. in Psychology with an emphasis in clinical psychology and developmental psychology topics

The research should preferably focus on the study of clinical psychology from a holistic viewpoint, focus on the study of a therapeutic perspective or on the application of clinical psychology in a specific age group, children, adolescents, adults, or any type of vulnerable or learning-disordered population. Must be fluent in English, use qualitative and/or quantitative methodologies, and knowledge of psychometric test development. Must have already a minimum proven academic production (at least one published article indexed in a quality index).

Annex 2

Food Science with an emphasis on biotechnology and development of new products

Candidates must have earned a doctorate in food science, food technology, food safety and biotechnology or related.

Required candidate profile:

Candidates must have at least one article published on food science related areas in a journal indexed in Scopus or Web of Science. Candidates must be familiar with a statistical program, such as SSPS, R, Stata or equivalent. They must also have an advanced level of English.

Desirable knowledge or skills:

Fermentation Technology, food products development and food packaging & preservation.

Annex 3

Ph.D. in International Law with emphasis on International Arbitration, International Contract Law, or Sports Law

Required:

Candidates must have written a thesis or dissertation on international arbitration, international (comparative) contract law, or sports law leading to a Doctor of Laws (or PhD) degree. They must have published or be in the process of publishing at least one approved scientific article at a peer-reviewed law journal in English.

Desirable:

Candidates should be familiar with Comparative Law Methodologies in particular with the Historic or the Functional Method of Comparative Law. Knowledge of Law & Economics Theory is also desirable for interested candidates.

Required knowledge or skills:

Candidates must be familiar with modern instruments, legal literature and case law on international arbitration such as the UNCITRAL Model Law, most influential *lex arbitrii*, movements like the green arbitration, arbitration pledge and diversity in arbitration. In the alternative, candidates must have a solid knowledge of the theory and practice on the law of obligations and contracts in the civil law tradition or/and the common law tradition and in instruments such as the CISG, the UNIDROIT PICC, The Hague Principles on Applicable Law to Commercial Contracts, etc. They must be enthusiastic writers and editors of legal scholarly in English. In the alternative, candidates must be familiar with modern instruments of sports law, such as Statutes and Rules of International Sports Federations, the International Olympic Committee or the Court of Arbitration for Sports.

Desirable knowledge or skills:

Candidates must be proficient in English language and desirably also in Spanish, German or French. They must be interested in multidisciplinary research and analysis. Candidates must have a proven international experience as students or academics in foreign institutions to their home jurisdiction. Efficient use of reference/citation management applications such as EndNote, Mendeley or Zotero is also an advantage.

Annex 4

Applied Artificial Intelligence

The candidate must have published at least **one article as the first author in journals indexed in the JCR**. The candidates must be able to design, organize, and develop a research project by themselves, alternating independent work and collaborative activities with other researchers during the process.

Candidate must have experience in one or more topics: artificial intelligence, computer graphics, computer vision, digital animation, deep learning applied to computer graphics, images or digital animation, distributed systems, security protocols, cryptography, networks, sensors, and vision in IoT or holography.

Desired candidate profile:

Candidates must have a Ph.D. in Computer Science or related topics with Artificial Intelligence, Computer Graphics, Animation, Computer Vision (VR/AR), Distributed Systems, Networks, IoT, Optics. The candidate must be proactive, with solid knowledge of their research area. Be able to

undertake research activities independently, select the appropriate methods and techniques, and provide guidance and support to any students working on the research project.

Required knowledge or skills:

The candidate should have fluent written English and a good level of speaking English. Also, they must have strong abilities in programming languages such as Python, Java, MatLab, C, and C++. Extensive research experience in the subject area of the research proposal. Excellent interpersonal, networking, and communication skills. A clear commitment to contributing to the research environment of the computer academy. A positive approach to developing the research project in the University with the available resources and collaborating with other research colleagues to create networks relevant to the project for future research or funding opportunities. In case the profile is on Blockchain, solidity language programming is desirable.

Annex 5

Cutting and packing optimization

Candidate Profile:

Candidates must show outstanding training/interest in one or more of the following areas: Mathematical programming, integer programming, exact optimization methods (branch-and-cut, branch-and-price), and heuristic/metaheuristic methods.

Desired profile:

Candidates must have experience in bin-packing and/or scheduling problems and be skilled in Python (MIP) or any other optimization package (preferably Gurobi or Cplex). Fluent in written. English and more than one article published in a JCR Journal.

Required knowledge or skills: Knowledge of operational research (mathematical programming) and a high level of autonomy. Knowledge in C++, Python, AMPL, Gurobi, Cplex, Microsoft Office, Minitab (or a similar statistical software).

Desirable knowledge or skills:

Previous experience in implementing metaheuristics and/or mixed integer formulations for bin-packing or machine-scheduling problems. **Candidates must have got their Ph.D. in the last 3 years.**

Annex 6

Numerical Optimization (Metaheuristic algorithms, System optimization)

Applications:

Supply chain (supplier selection and supply chain cost)

Required candidate profile: Candidates must have experience in numerical optimization and application of metaheuristic algorithms in Matlab, and must have **published at least one article** in journals indexed in the JCR.

Desired candidate profile:

It is desired that candidates have worked on some of the objective applications (Supply chain, Engineering, Construction), fluent written English, and more than one article published in an indexed journal.

Required knowledge or skills:

Matlab, Microsoft Office. It is required that candidates can write a scientific paper in its entirety. Developing experiments related to numerical optimization. Metaheuristic algorithms.

Desired knowledge or skills:

Advanced programming in Matlab. Deep knowledge in optimization of some objective applications (Supply Chain).

Annex 7

Humanities

The Institute of Humanities at Universidad Panamericana, Campus Guadalajara, offers a postdoctoral position in the following area of knowledge: Humanities.

Postdoctoral candidates are expected to be willing to know and respect the **identity** of the University; identity that frames in a special way the research and teaching work of the Institute of Humanities, as well as capacity and versatility for transversal teaching.

Scholarships may be available at corporate expense.

And efforts will be made to have strength in the face of the existing teaching academies for transversal subjects.

Regarding research products, the following is proposed, in accordance with the current call in Annex 9: The postdoctoral researcher will produce at least **two WoS or Scopus** products in the indexed databases, and will contribute to the **promotion or coordination** of a work that summarizes the work of the Academy in which he or she decides to participate, in a collective book with the professors of said academy, preferably within the list of publishers indicated in the Categorization Annex.

Annex 8

Ph.D. in Practical Philosophy and/or History of Philosophy

The Institute of Humanities at Universidad Panamericana, Campus Mexico, offers a postdoctoral position in the following areas of knowledge: Practical Philosophy and/or History of Philosophy. Candidates must have obtained their **Ph.D. no earlier than 5 years** at the time of application for the fellowship. Candidates must undertake the commitment of writing **two scholarly products during the fellowship** and submitting them to journals indexed in **Scopus or Web of Science**.

Candidates must be willing to participate actively in the different research projects and activities conducted at the Institute of Humanities, collaborating with peers and helping to generate new academic and research networks. Additionally, they must be willing to teach four courses during the fellowship (two each semester).

Required profile and skills:

Postdoctoral candidates are expected to have a disposition towards becoming acquainted with and showing respect for the university's identity, which particularly frames the research and teaching activities of the Institute of Humanities. The ability and versatility for interdisciplinary teaching is also a desirable feature in candidates.

Annex 9

Media, Religion, Corporate Communications & Politics

Scholars should be engaged in projects centrally concerned with corporate **communications, religion, media and politics**, historically or in the present day. We aim to support a highly promising scholar trained in media, politics and religion, the religious thought of some historical period or culture, theories and methods in the study of religion and media, or media and politics, or other related areas, in developing a research agenda in politics, religion and media, broadly construed.

Applicants must hold a PhD from a foreign university (preferably in the English language field), in a related discipline (awarded prior to the postdoctoral start date and no earlier than 2018) and have a promising research record, as well as the ability to work independently and on teams. Candidates must have at least one paper published or accepted for publication in a journal indexed in Scopus or Web of Science.

Candidates are expected to have a strong motivation to identify and solve scientific problems in an interdisciplinary collaborative research environment. Preference will be given to applicants with excellent academic trajectories and with teaching experience.

The postdoctoral fellow will be expected to engage in the following activities: (i) teach (at least) two courses during the fellowship (one each semester); (ii) work on a research project under the supervision of a full professor; (iii) publish their work with the specific affiliation to the School of Communications, Universidad Panamericana. In addition, the fellow may supervise thesis work. Candidates do not need to be fluent in Spanish and may perform their duties in English.

Annex 10

Hospitality Management

The Hospitality Management School at the Universidad Panamericana invites applications for one post-doctoral researcher position.

As a post-doctoral researcher, you will collaborate on the project: **Comprehensive analysis of the gluten-free market situation in Mexico.**

1. Consumer preferences and buying behavior for gluten-free products.
2. Availability and accessibility of gluten-free products.
3. Barriers and challenges for gluten-free market growth.
4. Restaurant and food service industry adaptation to gluten-free trends.
5. Sustainability considerations in the gluten-free market.

Term: 1 year with a 2nd year extension possibility.

Duties and Responsibilities

Successful applicants will work with the research and academic team and the responsible of the project will be Dr. Alicia Hambleton.

Specific tasks include, but are not restricted to:

- Working full-time in the university.
- Conducting innovative research experiments and studies.
- Organizing research sessions with students and/or faculty.
- Analyze and interpret data sets.
- Publish one article in an international journal.
- Teach two courses in the post-doctoral year.

Election criteria

Essential

- Curriculum vitae and list of publications.
- Protocol of the research project that is intended to developed during the post-doctoral year, which must include: Title, general description, goals and final products expected to obtained (2 500 words).
- Schedule of activities planned for the post-doctoral year.
- Application letter.
- PhD, indicating the name of the thesis, of the University were the degree was obtained and of your PhD director.

Desirable

- Excellent oral and written communication skills.
- Commitment to teamwork, collaboration and cooperation.
- Contribute to impactful research publications and presentations.

Applications timeline

From 1st September 2023 to 31st January 2024. All applications must be sent in a pdf document. Results will be communicated on June 2024.

Start date

August 2024.

Annex 11

Ph.D. in Architecture

Required:

- PhD in Architecture, or related.
- Strong interest in and ability to conduct high quality academic research.
- Strong interest in and ability to teach and mentor at both the undergraduate and graduate levels.
- Experience in **urban planning, history of architecture, urban conservation and mapping with ArcGIS y QGis tools.**
- Experience in teaching classes in English.
- Dedication; ability to work on a team and to work independently.
- Fluent in English (speaking and writing).

Annex 12

Ph.D. in Food Business Management

Required:

- PhD in Food Science, Food Business, or related
- Strong interest in and ability to conduct high quality academic research
- Strong interest in and ability to teach and mentor at both the undergraduate and graduate levels
- Experience in **food development, food technology, agribusiness, or business related to food management.**
- Dedication; ability to work on a team and to work independently
- Fluent in English (speaking and writing)

Annex 13

Ph.D. in Law

Required:

- PhD in Law
- Interest in research **in juridic areas.**
- Ability and aptitude to direct undergraduate and graduate thesis and thesis advising.
- Aptitude for teamwork.
- Commitment to work on campus for 1 year.
- Commitment to produce at least **1 academic product publishable by UP.**
- Willingness to teach undergraduate and/or graduate classes.

Annex 14

Ph.D. in History of Philosophy and/or Modern Thought and Its Representation in Art

The Institute of Humanities at Universidad Panamericana, Campus Aguascalientes, offers a postdoctoral position in the following areas of knowledge: History of Philosophy and/or Modern Thought and Its Representation in Art. Candidates must have obtained their **Ph.D. no earlier than 5 years** at the time of application for the fellowship. Candidates must undertake the commitment of writing **two scholarly products during the fellowship** and submitting them to journals indexed in **Scopus or Web of Science.**

Candidates must be willing to participate actively in the different research projects and activities conducted at the Institute of Humanities, collaborating with peers and helping to generate new academic and research networks. Additionally, they must be willing to teach four courses during the fellowship (two each semester).

Required profile and skills:

Postdoctoral candidates are expected to have a disposition towards becoming acquainted with and showing respect for the university's identity, which particularly frames the research and teaching activities of the Institute of Humanities. The ability and versatility for interdisciplinary teaching is also a desirable feature in candidates.