NEV
NÚCLEO DE ESTUDOS DA VIOLÊNCIA

CALL FOR POST-DOCTORAL SCHOLARSHIPS N. 02/2022

The Center for the Study of Violence of the University of São Paulo (NEV-USP) announces the selection process for one (1) postdoctoral position on the Research Program "Building Democracy Daily: Human Rights, Violence and Institutional Trust", sponsored by the Research Support Foundation of the State of São Paulo (CEPID-FAPESP). The vacancy will be open to Brazilian and foreign researchers and the scholarship will last for one (1) year, scheduled to start in 2023.

The Center for the Study of Violence of the University of São Paulo (NEV-USP)

The NEV-USP was created in 1987 in the context of Brazilian redemocratization. Since its foundation, the NEV has analyzed aspects of the complex relationships between the persistence of violence and human rights violations during democratic consolidation. Its research topics cover themes such as: state violence, human rights, public security policies, criminal justice, exposure to violence, attitudes towards human rights and the rule of law, legitimacy of key institutions for democracy and the quality of democracy in Brazil.

The Program "Building Democracy Daily: Human Rights, Violence and Institutional Trust"

The Program focuses on how laws, rules and procedures are implemented over time and how this relates to the legitimacy of key institutions for democracy. The proposal is to analyze how this legitimacy is built on a day-to-day basis, through contacts between citizens and authorities, and its implications for human rights and violence. The CEPID program also involves education, dissemination and knowledge transfer projects.

Research proposals must be directly related to the CEPID program, especially in dialogue with the literature used. Access information on research and special projects at the following links:

https://nev.prp.usp.br/projetos/pesquisas/

and https://nev.prp.usp.br/projetos/projetos-especiais/

Only one job proposal per candidate will be accepted. The details of the theme's content are attached to this notice.

Axis: Methodological studies aimed at research on legitimacy, youth, violence and cities: Research from Big Data

Requirements for candidates

1. Doctoral degree or equivalent (PhD), obtained in the last seven years, with experience in quantitative or qualitative methodologies, depending on the specificities of each research topic;

2. Advanced level in English;

3. Academic publications in the last five years, especially in peer-reviewed journals;

4. Full-time dedication to the research (except under conditions determined in FAPESP resolution PR N. 13/2009, of July 15, 2009);

5. Availability to work in person at the NEV-USP headquarters in São Paulo;

6. Not receive another fellowship, salary, or payment of any sort from other institutions (excepting conditions established by FAPESP resolution PR No. 13/2009, of July 15, 2009).

Documents for registration

1. Lattes CV (www.lattes.cnpq.br) or Curriculum Vitae, if foreign;

2. Link to ORCID, MyResearcherID and/or MyCitation (Google Scholar) page;

3. Research proposal containing: i. Summary; ii. Research Questions; iii. Methodology; iv. Work Plan and Schedule (proposals with up to 5 pages, in Portuguese, English or Spanish will be accepted);

4. Copy of two outstanding publications (articles, books or book chapters);

Contact and deadline postulation

In order to apply, candidates must send the documentation by e-mail (nevselecao@gmail.com) with the subject "NEV-PD 2022" **between September 29th and November 15th, 2022.**

Selection

Candidates will be selected in two stages. The first step will consist of evaluating the CV, publications, and the research proposal. Cut-offs will be made during this first stage. The second stage will consist of the candidate defending his/her argument (in person or by videoconference) with the Selection Committee. The list of candidates selected for the second phase and the schedule of arguments will be published on the NEV-USP website by December, 2022.

The postdoctoral program

The selected candidates will be awarded a FAPESP Post-Doctoral Scholarship, which includes monthly remuneration currently in the amount of R$ 8,479.20 and Technical Reserve resources of 10% of the annual value of the scholarship. The use of the Technical Reserve is regulated by FAPESP and must follow the agency's rules. For more information access http://www.fapesp.br/4566.

The scholarship also includes financial support for researchers who will need to move to São Paulo. If necessary, Installation Assistance may be requested after the grant has been implemented. For more details on the postdoctoral fellowship, visit: www.fapesp.br/bolsas/pd.

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ATTACHMENT

CENTER FOR THE STUDY OF VIOLENCE

CEPID - FAPESP

CALL – POST-DOCTORAL SCHOLARSHIP N. 02/2022

Theme | Axis: Research from Big Data

One of the objectives of the CEPID Program is to carry out highly complex studies that benefit the whole of society, through the transfer of technology and the formulation of innovative techniques and methods, seeking to support public policies based on evidence and scientific analysis. These objectives imply in the realization of projects in collaboration with bodies, governmental or not, and the creation of alternative institutional paradigms for the organization of multidisciplinary research.

Therefore, NEV-USP establishes partnerships. One of these partnerships is with CeMEAI (Research Center in Mathematics Applied to Industry) and already presents results, with diffusion in several media, as well as in the academic field, and with an internationally awarded study. Therefore, the proposals submitted for this axis must include participation in the said partnership and focus on the treatment of large volumes of data, in a spatio-temporal approach.

The candidate must have solid knowledge of quantitative analysis and familiarity with identifying patterns of homogeneity and the study of social and urban demographic variables. It is also desirable for the candidate to have the following knowledge:

- Handling and processing of socioeconomic data.
- Solid knowledge of applied statistics and Geostatistics.
- Development of models using Artificial Intelligence techniques, comprising data collection and processing, feature engineering and modeling (from statistics to deep learning or other contemporary techniques).
- Model performance evaluation.
- Data analysis and construction of data visualization solutions.
- Familiarity with ML model deployment architecture.
- Python and SQL development.
- Familiarity with ML libraries (Sklearn, Keras, TersorFlow etc.).
- Knowledge of visualization libraries (Dash, plotly, seaborn etc.)
- Knowledge of Html, CSS, JavaScript and GeoDjango is a plus.