

<b>Job Title</b>	Postdoctoral Fellow
<b>PVN ID</b>	QC-2210-005126
<b>Category</b>	Research
<b>Location</b>	QUEENS COLLEGE
<b>Department</b>	Physics
<b>Status</b>	Full Time
<b>Annual Salary</b>	\$55.00 - \$59.00
<b>Hour(s) a Week</b>	35
<b>Closing Date</b>	Oct 17, 2022 (Or Until Filled)

## General Description

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A postdoctoral position is open in the group of Azriel Genack of the Department of Physics at Queens College of the City University of New York (CUNY) and The CUNY Graduate Center, <https://physics.qc.cuny.edu/people/faculty/agenack>. The research will explore fundamental aspects of wave propagation and localization including Anderson localization in three dimensions, the universality of the statistics and scaling of the transmission, velocity, energy density, and time delay of transmission eigenchannels, and singularities of transmission and their application to sensing. The research activity will involve some of the following: microwave and optical measurements and theoretical methods such as random matrix theory. The work is likely to involve collaboration with other researchers at Queens College, other branches of CUNY, including the Photonics and Nanoscience Initiatives of the CUNY Advanced Science Research Center, and researchers in the US and abroad. The research position involves writing up research for publication and presenting the work at national and international conferences. This work is funded by an award from the National Science Foundation. The award involves a collaboration with Mohammad-Ali Miri of Queens College and Patrick Sebbah or Bar-Ilan University.

## Other Duties

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## Qualifications

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We are seeking a motivated and curious researcher who has received his/her Ph.D. degree in physics or related subject with a background that overlaps the skills needed for this position. Candidates should have an outstanding record of scientific achievement, publications and presentations. They should be skilled in programming and have a good command of written and oral communication in English.