

<b>Job Title</b>	Postdoctoral fellow
<b>PVN ID</b>	HC-1604-001131
<b>Category</b>	Research
<b>Location</b>	HUNTER COLLEGE
<b>Department</b>	Physics and Astronomy
<b>Status</b>	Full Time
<b>Annual Salary</b>	\$42,000.00 - \$48,000.00
<b>Hour(s) a Week</b>	35
<b>Closing Date</b>	Jul 31, 2016 (Or Until Filled)

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## General Description

Postdoctoral fellowship in Neepa Maitra's group at Hunter College CUNY, to work on NSF and DOE-funded projects in time-dependent density functional theory and coupled electron-ion dynamics. The projects involve fundamental development of exchange-correlation functionals for non-perturbative dynamics and excitations, and development of the exact factorization approach to coupled dynamics for photo-excited or laser-driven non-adiabatic dynamics in molecules.

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## Other Duties

Help to mentor undergraduate and graduate students; help with computer system administration; occasionally cover teaching class when the PI is traveling.

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## Qualifications

PhD in Physics or Chemistry essential, with some experience in either time-dependent density functional theory or non-adiabatic electron-ion dynamics is strongly desirable.