

## Pablo E. Videla

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CONTACT INFORMATION	Department of Chemistry Yale University - New Haven, CT	pablo.videla@yale.edu pevidela@hotmail.com
RESEARCH INTERESTS	Structure and dynamics of complex, condensed phase systems. Quantum dynamics and nonadiabatic dynamics simulations. Nuclear quantum effects in gas and condensed phases. Statistical mechanics of liquids.	
EDUCATION	<b>Yale University</b> , New Haven, CT  Postdoctoral Associate in Chemistry, Jul 2016-present <ul style="list-style-type: none"><li>• Advisor: Professor Victor S. Batista</li></ul> <b>University of Buenos Aires</b> , Argentine  Ph.D., Physical Chemistry, Nov 2015 <ul style="list-style-type: none"><li>• Advisor: Professor Daniel Laría</li><li>• Thesis Title: <i>Nuclear Quantum Effects in Aqueous Environments</i></li><li>• Research: Investigation of effects derived from the explicit inclusion of nuclear quantum fluctuations upon the structure and dynamics of different aqueous environments, ranging from water clusters at low temperature to condensed phases at ambient conditions.</li></ul> M.S., Chemistry, Aug 2011 <ul style="list-style-type: none"><li>• General Grade Average: 9.50 over 10.00</li></ul>	
REFEREED JOURNAL PUBLICATIONS	<ol style="list-style-type: none"><li>1. Videla, P.E., Rossky, P.J. and Laría, D. Communication: Isotopic Effects on Tunneling Motions in the Water Trimer. <i>J. Chem. Phys.</i>, 144, 061101 (2016)</li><li>2. Videla, P.E., Rossky, P.J. and Laría, D. Isotopic Preferential Solvation of I<sup>-</sup> in Low-Temperature Water Nanoclusters <i>J. Phys. Chem. B</i>, 119 (35), 11783-11790 (2015)</li><li>3. Videla, P.E., Rossky, P.J. and Laría, D. Surface Isotope Segregation as a Probe of Temperature in Water Nanoclusters <i>J. Phys. Chem. Lett.</i>, 5 (13), 2375-2379 (2014)</li><li>4. Videla, P.E., Rossky, P.J. and Laría, D. Nuclear Quantum Effects on the Structure and the Dynamics of [H<sub>2</sub>O]<sub>8</sub> at Low Temperatures. <i>J. Chem. Phys.</i>, 139 (17), 174315 (2013)</li><li>5. Videla, P.E., Rossky, P.J. and Laría, D. A Quantum Molecular Dynamics Study of Aqueous Solvation Dynamics. <i>J. Chem. Phys.</i>, 139 (16), 164506 (2013)</li><li>6. Videla, P.E., Sala, J., Martí, J., Guàrdia, E. and Laría, D. Aqueous Electrolytes Confined Within Functionalized Silica Nanopores. <i>J. Chem. Phys.</i>, 135 (10), 104503 (2011)</li></ol>	
AWARDS	National Scientific and Technical Research Council - Argentina <ul style="list-style-type: none"><li>• Graduate Fellowship</li></ul> Argentine Chemical Society <ul style="list-style-type: none"><li>• P.A. Berdoy Award (best undergraduate general average grade)</li></ul> University of Buenos Aires, Argentine <ul style="list-style-type: none"><li>• Stimulus Undergraduate Fellowship</li></ul>	2012–Present  Aug 2012  2010–2012

ORAL PRESENTATIONS	<p>Argentine Physico-Chemical Society</p> <ul style="list-style-type: none"> <li>• XIX Argentine Physico-Chemical Congress, Buenos Aires, Argentina (2015)</li> </ul>
POSTER PRESENTATIONS	<p>Gordon Research Conferences</p> <ul style="list-style-type: none"> <li>• Physics &amp; Chemistry of Water, Holderness School, NH (2015)</li> <li>• Water &amp; Aqueous Solutions, Holderness School, NH (2014)</li> <li>• Physics &amp; Chemistry of Water, Holderness School, NH (2013)</li> </ul> <p>Argentine Physico-Chemical Society</p> <ul style="list-style-type: none"> <li>• XVIII Argentine Physico-Chemical Congress, Rosario, Argentina (2013)</li> <li>• XVII Argentine Physico-Chemical Congress, Córdoba, Argentina (2011)</li> <li>• XVI Argentine Physico-Chemical Congress, Salta, Argentina (2009)</li> </ul> <p>Spring School on Path-Integral Molecular Dynamics, Centre Européen de Calcul Atomique et Moléculaire (CECAM), Toulouse, France (2012)</p> <p>Structure and Dynamics of Glassy, Supercooled and Nanoconfined Fluids, Buenos Aires, Argentina (2011)</p> <p>Joint ICTP-IAEA Workshop on Radiation Damage in Nuclear Materials, International Centre for Theoretical Physics (ICTP), Trieste, Italy (2011)</p>
TEACHING EXPERIENCE	<p><b>University of Buenos Aires</b>, Argentina</p> <p>Teaching Assistant, Chemistry Department <span style="float: right;">Mar 2010–Present</span></p> <ul style="list-style-type: none"> <li>• Inorganic Chemistry, Lab Class</li> <li>• Physical Chemistry, Lab &amp; Problems Set Class</li> <li>• Statistical Mechanics, Problem Set Class</li> </ul>
PROGRAMMING SKILLS	<ul style="list-style-type: none"> <li>• Good knowledge of Fortran programming</li> <li>• Good knowledge of MPI programming</li> <li>• Some knowledge of C programming</li> </ul>
LANGUAGES PROFICIENCIES	<ul style="list-style-type: none"> <li>• Spanish: Mother tongue.</li> <li>• English: Perfectly fluent in speech and writing. European level B2.</li> <li>• French: Rudimentary understanding.</li> </ul>