Welcome to the NYU HPC Research Gallery. Here are just some of the exciting projects that researchers have been working on using NYU HPC clusters. Click on any picture to see larger image and a description of the work.

If you are an NYU researcher using these clusters and would like your work to appear in this gallery please contact us at hpc@nyu.edu.

To view the projects for year 2010 go to [HPC Research Gallery 2010](#).

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<tr>
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<th>Department of Biology and Department of Chemistry</th>
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<td><img src="image1" alt="Unusual Metal Dependence of a Human Apyrase" /></td>
<td><img src="image2" alt="Steric effect of the acetyl group in dG-C8-AAF-modified DNA duplex" /></td>
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<td><img src="image3" alt="Long polymer molecule pulled by an external force" /></td>
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Unusual Metal Dependence of a Human Apyrase

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Courant Institute of Mathematical Sciences
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Catalytic mechanism of the nucleotidyl transfer reaction in a human DNA lesion bypass polymerase

Reaction Mechanism for Histone Deacetylase 8

Immersed boundary model of aortic heart valve

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The Joy of Giving or Assisted Living

Courant Institute of Mathematical Sciences

A bug on a raft: recoil locomotion in a viscous fluid

Center for Biomedical Imaging

Random walks with barriers

Courant Institute of Mathematical Sciences

A free-space adaptive fmm-based pde solver in three dimensions