

NIH Public Access Policy - Windows Internet Explorer

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## NIH Public Access Policy




*On April 7, 2008 the new National Institutes of Health (NIH) public access policy took effect.*

### The Law

<http://publicaccess.nih.gov/policy.htm>  
"The NIH Public Access Policy implements Division G, Title II, Section 218 of PL 110-161 (Consolidated Appropriations Act, 2008). The law states:

The Director of the National Institutes of Health shall require that all investigators funded by the NIH submit or have submitted for them to the National Library of Medicine's PubMed Central an electronic version of their final, peer-reviewed manuscripts upon acceptance for publication, to be made publicly available no later than 12 months after the official date of publication: Provided, that the NIH shall implement the public access policy in a manner consistent with copyright law."

### The Submission Process

-  **NIH Submission Process Guide**  
[http://publicaccess.nih.gov/submit\\_process.htm](http://publicaccess.nih.gov/submit_process.htm)
- Summary for Complying with the NIH Public Access Policy**  
[PDF flowchart](#)
- NIH List of Journals That Submit Articles To PubMed Central**  
[http://publicaccess.nih.gov/submit\\_process\\_journals.htm](http://publicaccess.nih.gov/submit_process_journals.htm)
-  **Finding Your NIH or PubMedCentral (PMC) ID Numbers**  
<http://www.lib.uchicago.edu/e/crerar/using/reference/pmcid.html>
-  **PMID : PMCID Converter tool** - Translates PubMed Identifiers (PMID) to PMC Identifiers (PMCID) or vice versa  
<http://www.ncbi.nlm.nih.gov/sites/pmctopmid>
- Reminder Concerning Grantee Compliance with Public Access Policy and Related NIH Monitoring Activities**  
<http://grants.nih.gov/grants/guide/notice-files/NOT-OD-08-119.html>
- SHERPA/RoMEO - Guide to publisher copyright & open access archiving policies**  
<http://www.sherpa.ac.uk/romeo.php>
- NIH Help Guide**

For additional assistance or clarification  
contact [nih-publ-access@lists.uchicago.edu](mailto:.nih-publ-access@lists.uchicago.edu)

The activity of HDAC8 depends on local and distal sequences of its peptide substrates. [Biochemistry. 2008] - PubMed Result - Windows Internet Explorer

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1: [Biochemistry](#). 2008 Jun 10;47(23):6242-50. Epub 2008 May 10.

**The activity of HDAC8 depends on local and distal sequences of its peptide substrates.**

**Gurard-Levin ZA, Mrksich M.**

Department of Chemistry and Howard Hughes Medical Institute, The University of Chicago, 929 East 57th Street, Chicago, Illinois 60521, USA.

This paper introduces a flexible assay for characterizing the activities of the histone deacetylase enzymes. The approach combines mass spectrometry with self-assembled monolayers that present acetylated peptides and enables a label-free and one-step assay of this biochemical activity. The assay was used to characterize the activity of HDAC8 toward peptides taken from the N-terminal tail of the H4 histone and reveals that a distal peptide substrate interacts with the deacetylase at an exosite and contributes to the activity of the substrate. Specifically, a peptide corresponding to residues 8-19 of H4 acetylated is an active substrate, but removal of the KRHR (residues 16-19) abolishes activity. Mutation of glycine 11 to arginine in the peptide lacking the KRHR restores activity, demonstrating that both local and distal sequences act synergistically to regulate the activity of the HDAC. Assays with peptides bearing multiple acetyl groups, in which each acetyl group is isotopically labeled, permit studies of the processive deacetylation of peptides. Peptide substrates having an extended sequence that includes K20 were used to demonstrate that methylation of this residue directly affects HDAC8 activity at K12. This work provides a mechanistic basis for the regulation of HDAC activities by distal sequences and may contribute to studies aimed at evaluating the role of the histone code in regulating gene expression.

PMID: 18470998 [PubMed - indexed for MEDLINE]

PMCID: PMC2605276

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The activity of HDAC8 depends on local and distal sequences of its peptide substrates.

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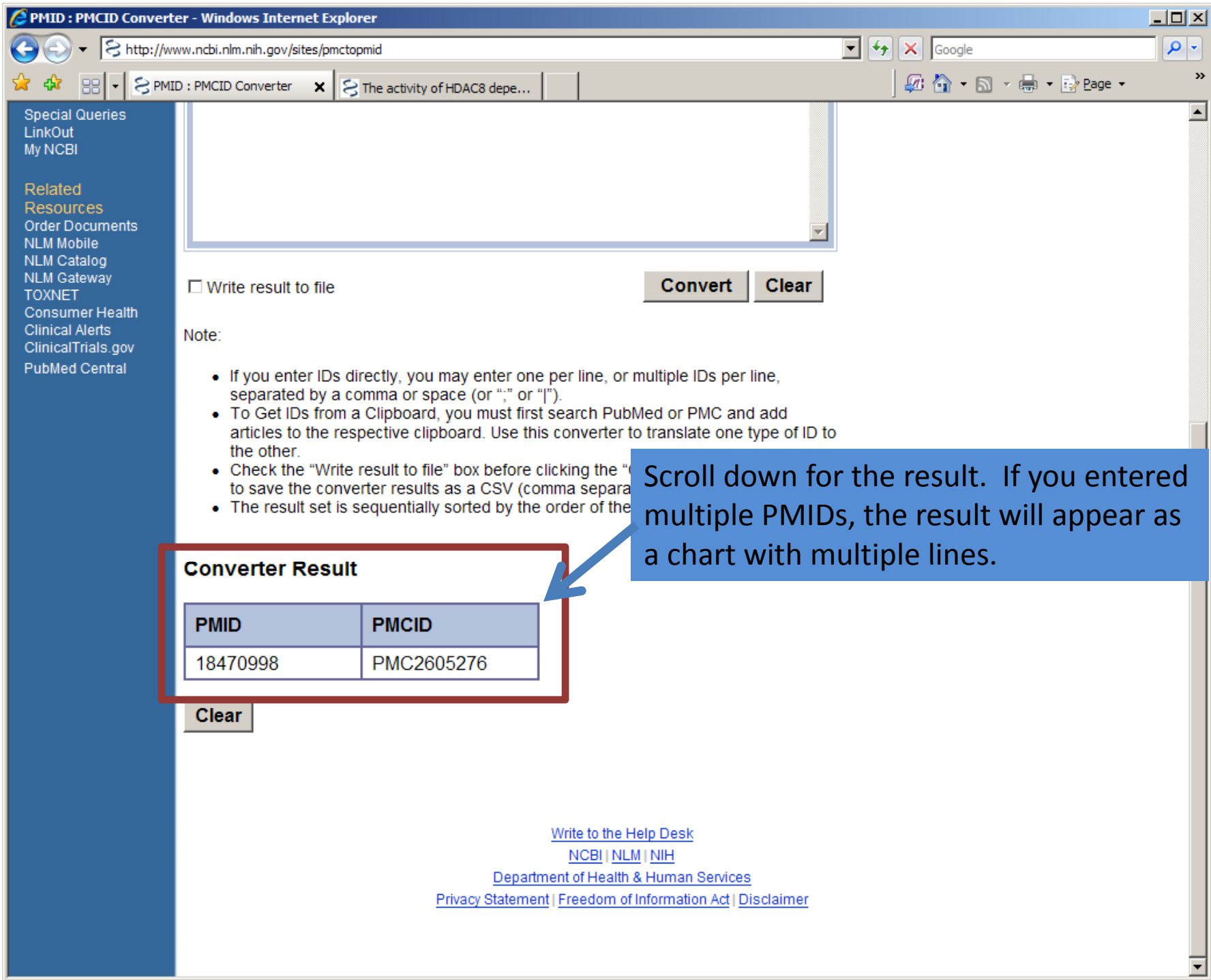
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- Check the "Write result to file" box before clicking the "Convert" button to save the converter results as a CSV (comma separated values) file.
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Scroll down for the result. If you entered multiple PMIDs, the result will appear as a chart with multiple lines.

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## Selected Common FAQs from <http://publicaccess.nih.gov/FAQ.htm>

- **Am I responsible for papers that arise from my NIH-funded project for which I am not an author?**

Principal Investigators and their Institutions are responsible for ensuring all terms and conditions of awards are met. This includes the submission of final peer-reviewed manuscripts that arise directly from their awards, **even if they are not an author or co-author of the paper**. Principal Investigators and their Institutions should ensure that authors are aware of and comply with the NIH Public Access Policy. This is also true for grants which involve sub-awards since they are usually associated with a particular award.

- **What do I do if the PubMed Central reference number (PMCID) has not been assigned yet?**

If you publish in a journal that deposits all NIH-funded final published articles in PubMed Central (PMC) without author involvement, or if you make arrangements to have a publisher deposit your final published article in PMC, a PMCID may not be assigned until several weeks after publication. During this time, please signify compliance with the policy by indicating “**PMC Journal - In Process**” at the end of the citation.

If a manuscript was submitted through the NIH Manuscript Submission System (NIHMS) and a PubMed Central reference number is not yet available, include the NIH Manuscript Submission System reference number (**NIHMS ID**) instead

- **What papers have to be submitted?**

You are required to submit a manuscript if the following conditions apply:

The article is peer-reviewed, is accepted for publication in a journal on or after April 7, 2008, and arises from:

- **Any** direct funding from an NIH grant or cooperative agreement active in Fiscal Year 2008 or beyond, or;
- **Any** direct funding from an NIH contract signed on or after April 7, 2008, or;
- **Any** direct funding from the NIH Intramural Program, or;
- An NIH employee.

Authors are not required to, but *may* submit final peer-reviewed manuscripts that were accepted before April 7, 2008 and that arise from NIH funds, if they have appropriate copyright permission. Consult with the publisher to determine if you have appropriate copyright permission.

- **Can someone else deposit articles on my behalf?**

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