

Programming for Biomedical Informatics

Lecture 8 "Mining & Analysing the Biomedical Literature"

https://github.com/tisimpson/pbi

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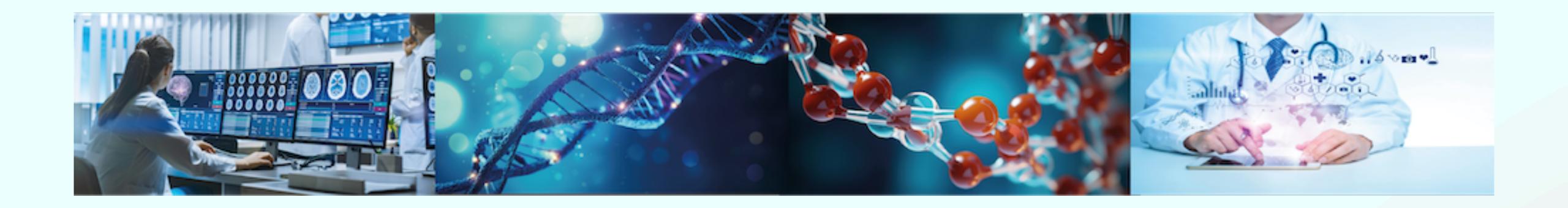
eLink "link-names"

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Entrez Link Descriptions:									
PubMed	Protein	Nucleotide	Structure	Genome	Books	CancerChromosomes	Conserved Domains	3D Domains	Gene
Genome Project	GENSAT	GEO Profiles	GEO DataSets	HomoloGene	MeSH	NCBI Site Search	OMIA	ОМІМ	
PMC	PopSet	Probe	PubChem BioAssay	PubChem Compound	PubChem Substance	SNP	Taxonomy	UniGene	UniSTS

Link name (used in Entrez URLs)	Label in "Links" menu	Label in "Display" menu			
embly_assembly_diploid	Linked assembly from diploid	Linked assembly from diploid	Genome assembly that is the other (pse		
embly_bioproject	BioProject	BioProject	BioProject		
sembly_bioproject	BioProject	BioProject	BioProject		
sembly_bioproject	BioProject				
sembly_biosample	BioSample	pubmed_assembly	Assembly	Assembly	Assembly
sembly_biosample	BioSample	pubmed_assembly	Assembly	Assembly	Assembly
ssembly_biosample	BioSample	pubmed_assembly	Assembly	Assembly	Assembly
ssembly_genome	Genome	pubmed_bioproject	Related Project	Project Links	Related Projects
ssembly_genome	Genome	pubmed_bioproject	Related Project	Project Links	Related Projects
ssembly_genome	Genome	pubmed_bioproject	Related Project	Project Links	Related Projects
ssembly_nuccore	Nucleotide	pubmed_biosample	BioSample	BioSample Links	BioSample links
ssembly_nuccore_insdc	Nucleotide INSDC Nucleotide RefSeq	pubmed_biosample	BioSample	BioSample Links	BioSample links
ssembly_nuccore_refseq	WGS Master	pubmed_biosample	BioSample	BioSample Links	BioSample links
ssembly_nuccore_wgsmaster ssembly_nuccore_wgscontig	WGS (Master WGS contigs	pubmed_biosystems	BioSystems	BioSystem Links	Pathways and biological systems (BioSystems) that cite the current articles. Citations are from the BioSystems sour
sembly_nuccore_insdc	Nucleotide INSDC	pubmed_biosystems	BioSystems	BioSystem Links	BioSystems
sembly_nuccore_refseq	Nucleotide RefSeq	pubmed biosystems	BioSystems	BioSystem Links	BioSystems
ssembly_nuccore_wgsmaster	WGS Master	pubmed_books_refs	Cited in Books	Cited in Books	NCBI Bookshelf books that cite the current articles.
ssembly_nuccore_insdc	Nucleotide INSDC	pubmed_books_refs	Cited in Books	Cited in Books	PubMed links associated with Books
ssembly_nuccore_refseq	Nucleotide RefSeq		Cited in Books	Cited in Books	PubMed links associated with Books
ssembly_nuccore_wgsmaster	WGS Master	pubmed_books_refs			
ssembly_pubmed	PubMed	pubmed_cancerchromosomes	Cancer Chromosomes	CancerChrom Links	Cancer chromosome records that cite the current articles.
ssembly_pubmed	PubMed	pubmed_cdd	Conserved Domains	Conserved Domain Links	Conserved Domain Database (CDD) records that cite the current articles. Citations are obtained from the CDD source
ssembly_pubmed	PubMed	pubmed_cdd	Conserved Domains	Conserved Domain Links	Link to related CDD entry
ssembly_sra	Sra	pubmed_cdd	Conserved Domains	Conserved Domain Links	Link to related CDD entry
ssembly_sra	Sra	pubmed_clinvar	ClinVar	ClinVar	Clinical variations associated with publication
ssembly_taxonomy	Taxonomy	pubmed_clinvar_calculated	ClinVar (calculated)	ClinVar (calculated)	Clinical variations calculated to be associated with publication
ssembly_taxonomy	Taxonomy	pubmed_clinvar	ClinVar	ClinVar	Clinical variations associated with publication
ssembly_taxonomy	Taxonomy	pubmed_clinvar_calculated	ClinVar (calculated)	ClinVar (calculated)	Clinical variations calculated to be associated with publication
iocollections_biosample	BioSample	pubmed_clinvar	ClinVar	ClinVar	Clinical variations associated with publication
iocollections_nuccore	Nucleotide	pubmed_clinvar_calculated	ClinVar (calculated)	ClinVar (calculated)	Clinical variations calculated to be associated with publication
iocollections_nuccore	Nucleotide	pubmed_dbvar	dbVar	dbVar	Link from PubMed to dbVar
iocollections_nucgss	GSS	pubmed dbvar	dbVar	dbVar	Link from PubMed to dbVar
iocollections_nucgss	GSS	pubmed_dbvar	dbVar	dbVar	Link from PubMed to dbVar
iocollections_popset	PopSet	pubmed_domains	3D Domains	3D Domain Links	
iocollections_popset	PopSet Protein	F			Structural domains in the NCBI Structure database that are parts of the 3D structures reported in the current articles.
iocollections_protein iocollections_protein	Protein	pubmed_epigenomics	Epigenomics	Epigenomics Links	Related Epigenomics records
ioconcepts_bioconcepts_child	children	pubmed_epigenomics_experiment	Epigenomics (experiments)	Epigenomics (experiments)	Links to experimental data from epigenomic studies
oconcepts_bioconcepts_parent	parent	pubmed_epigenomics_sample	Epigenomics (samples)	Epigenomics (samples)	Links to descriptions of biological samples used in epigenomic studies
oconcepts_bioconcepts_sibling	sibling	pubmed_epigenomics_study	Epigenomics (study)	Epigenomics (study)	Links to overviews of epigenomic studies
oconcepts_bioconcepts_child	children	pubmed_epigenomics_experiment	Epigenomics (experiments)	Epigenomics (experiments)	Links to experimental data from epigenomic studies
oconcepts_bioconcepts_parent	parent	pubmed_epigenomics_sample	Epigenomics (experiments)	Epigenomics (experiments)	Links to experimental data from epigenomic studies Links to descriptions of biological samples used in epigenomic studies
oconcepts_bioconcepts_sibling	sibling				
oconcepts_bioconcepts_child	children	pubmed_epigenomics_study	Epigenomics (study)	Epigenomics (study)	Links to overviews of epigenomic studies
ioconcepts_bioconcepts_parent	parent	pubmed_gap	dbGaP	dbGaP Links	Genotypes and Phenotypes (dbGaP) studies that cite the current articles.
oconcepts_bioconcepts_sibling	sibling	pubmed_gap	dbGaP	dbGaP Links	Related dbGaP record
		pubmed_gap	dbGaP	dbGaP Links	Related dbGaP record
		pubmed_gcassembly	Assembly for publication.	Assembly for publication.	Links from Pubmed to Assembly.
		pubmed_gds	GEO DataSets	GEO DataSet Links	Gene expression and molecular abundance data reported in the current articles that are also included in the curated
		pubmed_gds	GEO DataSets	GEO DataSet Links	Related GEO DataSets
		pubmed_gds	GEO DataSets	GEO DataSet Links	Related GEO DataSets
		pubmed_gene	Gene	Gene Links	Gene records that cite the current articles. Citations in Gene are added manually by NCBI or imported from outside
		pubmed_gene_rif	Gene (GeneRIF)	Gene (GeneRIF) Links	Gene records that have the current articles as Reference into Function citations (GeneRIFs). NLM staff reviewing the
		pubmed_gene_citedinomim	Gene (OMIM)	Gene (OMIM) Links	Gene records associated with Online Mendelian Inheritance in Man (OMIM) records that cite the current articles in the
		pubmed_gene_bookrecords	Gene (from Bookshelf)	Gene (from Bookshelf)	Gene records in this citation
		pubmed_gene_pmc_nucleotide	Gene (nucleotide/PMC)	Gene (nucleotide/PMC)	Records in Gene identified from shared sequence and PMC links.
		pubmed_gene	Gene	Gene Links	Link to related Genes
		nuhmed gene hookrecords	Gene (from Bookshelf)	Gene (from Rookshelf)	Gene records in this citation





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No lectures or assignments next week - October Break

Next Lecture - Tuesday 22nd October "Measuring Gene Expression"

Ask Questions on the EdStem Discussion Board

