

# Programming for Biomedical Informatics

## Lecture 8 “Mining & Analysing the Biomedical Literature”

GitHub Website- <https://github.com/biomedical-informatics/pbi>

Course Website- <https://groups.inf.ed.ac.uk/teaching/pbi/>

Ian Simpson  
ian.simpson@ed.ac.uk

# eLink “link-names”

Beginns with

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Search

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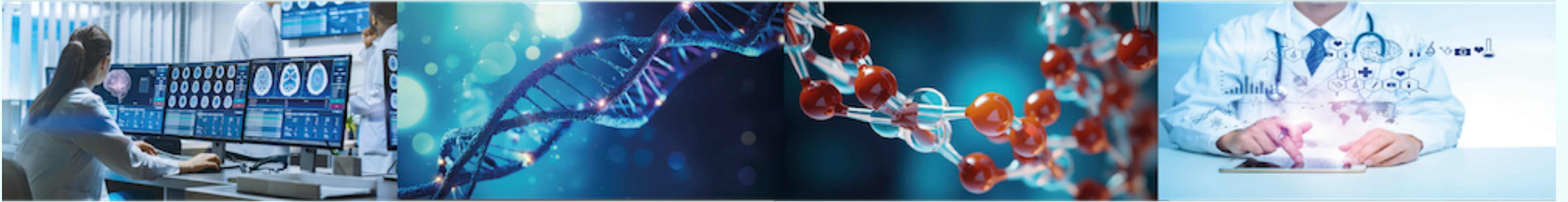
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Entrez Link Descriptions:									
PubMed	Protein	Nucleotide	Structure	Genome	Books	CancerChromosomes	Conserved Domains	3D Domains	Gene
Genome Project	GENSAT	GEO Profiles	GEO DataSets	HomoloGene	MeSH	NCBI Site Search	OMIA	OMIM	
PMC	PopSet	Probe	PubChem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

Link name (used in Entrez URLs)	Label in "Links" menu	Label in "Display" menu	
assembly_assembly_diploid	Linked assembly from diploid	Linked assembly from diploid	Genome assembly that is the other (ps
assembly_bioproject	BioProject	BioProject	BioProject
assembly_bioproject	BioProject	BioProject	BioProject
assembly_bioproject	BioProject		
assembly_biosample	BioSample	pubmed_assembly	Assembly
assembly_biosample	BioSample	pubmed_assembly	Assembly
assembly_biosample	BioSample	pubmed_assembly	Assembly
assembly_genome	Genome	pubmed_bioproject	Related Project
assembly_genome	Genome	pubmed_bioproject	Related Project
assembly_genome	Genome	pubmed_bioproject	Related Project
assembly_nuccore	Nucleotide	pubmed_biosample	BioSample
assembly_nuccore_insd	Nucleotide INSDC	pubmed_biosample	BioSample
assembly_nuccore_refseq	Nucleotide RefSeq	pubmed_biosample	BioSample
assembly_nuccore_wgsmaster	WGS Master	pubmed_biosample	BioSample
assembly_nuccore_wgscontig	WGS contigs	pubmed_biosystems	BioSystems
assembly_nuccore_insd	Nucleotide INSDC	pubmed_biosystems	BioSystems
assembly_nuccore_refseq	Nucleotide RefSeq	pubmed_biosystems	BioSystems
assembly_nuccore_wgsmaster	WGS Master	pubmed_books_refs	Cited in Books
assembly_nuccore_insd	Nucleotide INSDC	pubmed_books_refs	Cited in Books
assembly_nuccore_refseq	Nucleotide RefSeq	pubmed_books_refs	Cited in Books
assembly_nuccore_wgsmaster	WGS Master	pubmed_cancerchromosomes	Cancer Chromosomes
assembly_pubmed	PubMed	pubmed_cdd	Conserved Domains
assembly_pubmed	PubMed	pubmed_cdd	Conserved Domains
assembly_pubmed	PubMed	pubmed_cdd	Conserved Domains
assembly_sra	Sra	pubmed_clinvar	ClinVar
assembly_sra	Sra	pubmed_clinvar	ClinVar
assembly_taxonomy	Taxonomy	pubmed_clinvar_calculated	ClinVar (calculated)
assembly_taxonomy	Taxonomy	pubmed_clinvar	ClinVar
assembly_taxonomy	Taxonomy	pubmed_clinvar_calculated	ClinVar (calculated)
biocollections_biosample	BioSample	pubmed_clinvar	ClinVar
biocollections_nuccore	Nucleotide	pubmed_clinvar_calculated	ClinVar (calculated)
biocollections_nuccore	Nucleotide	pubmed_dbvar	dbVar
biocollections_nucgss	GSS	pubmed_dbvar	dbVar
biocollections_nucgss	GSS	pubmed_dbvar	dbVar
biocollections_popset	PopSet	pubmed_dbvar	dbVar
biocollections_popset	PopSet	pubmed_domains	3D Domains
biocollections_popset	PopSet		
biocollections_protein	Protein		
biocollections_protein	Protein	pubmed_epigenomics	Epigenomics
bioconcepts_bioconcepts_child	children	pubmed_epigenomics_experiment	Epigenomics (experiments)
bioconcepts_bioconcepts_parent	parent	pubmed_epigenomics_sample	Epigenomics (samples)
bioconcepts_bioconcepts_sibling	sibling	pubmed_epigenomics_study	Epigenomics (study)
bioconcepts_bioconcepts_child	children	pubmed_epigenomics_experiment	Epigenomics (experiments)
bioconcepts_bioconcepts_parent	parent	pubmed_epigenomics_sample	Epigenomics (samples)
bioconcepts_bioconcepts_sibling	sibling	pubmed_epigenomics_study	Epigenomics (study)
bioconcepts_bioconcepts_child	children	pubmed_gap	dbGaP
bioconcepts_bioconcepts_parent	parent	pubmed_gap	dbGaP
bioconcepts_bioconcepts_sibling	sibling	pubmed_gap	dbGaP
		pubmed_gap	dbGaP
		pubmed_gcassembly	Assembly for publication.
		pubmed_gds	GEO DataSets
		pubmed_gds	GEO DataSets
		pubmed_gds	GEO DataSets
		pubmed_gene	Gene
		pubmed_gene_rif	Gene (GeneRIF)
		pubmed_gene_citedinomim	Gene (OMIM)
		pubmed_gene_bookrecords	Gene (from Bookshelf)
		pubmed_gene_pmc_nucleotide	Gene (nucleotide/PMC)
		pubmed_gene	Gene
		pubmed_gene_bookrecords	Gene (from Bookshelf)

https://www.ncbi.nlm.nih.gov/entrez/query/static/entrezlinks.html



# Programming for Biomedical Informatics

**No lectures or assignments next week - October Break**

Next Lecture - Tuesday 22nd October  
“Measuring Gene Expression”

**Ask Questions on the Piazza Discussion Board**

Background