

<ul style="list-style-type: none">• <code>search_datasets("diabetes")</code>• <code>search_annotations("diabetes")</code> <code>search_datasets("http://purl.obolibrary.org/obo/DOID_9351")</code>• <code>get_taxon_datasets("human")</code>	<ul style="list-style-type: none">• Search for the word diabetes• Use an annotation term to search for experiments annotated with the term• Access all datasets of a certain species
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Identify Datasets of Interest

<ul style="list-style-type: none">• <code>get_dataset_object("GSE30140")</code>• <code>get_dataset_samples("GSE30140")</code> <code>get_dataset_expression("GSE30140")</code>	<ul style="list-style-type: none">• Return a bioconductor compatible object containing expression data and metadata• Return independent tables containing expression data and metadata
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Acquire expression data

<ul style="list-style-type: none">• <code>get_differential_expression_values("GSE30140")</code>• <code>get_dataset_differential_expression_analyses("GSE30140")</code>	<ul style="list-style-type: none">• Get differential expression results for a dataset• Get metadata about the contrasts for the dataset's differential expression
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Acquire differential expression data

<ul style="list-style-type: none">• <code>get_dataset_platforms("GSE30140")</code>• <code>get_platform_annotations("GPL1261")</code>	<ul style="list-style-type: none">• Get the platform used for the dataset• Get platform annotations created by Gemma
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Acquire platform annotations