

# Searching a Specimen or Structure Tree

## SEARCHING A SPECIMEN OR STRUCTURE TREE

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### Structure Tree Search Service

The Structure Tree Search service returns a flat list of ancestors and/or descendants for the specified Structure.

#### Prototype

```
http://api.brain-map.org/api/v2/tree_search/Structure/[Structure.id].[json|xml]&ancestors=[true|false]&descendants=[true|false]
```

#### Example

Search for descendants of the Mouse Brain Atlas Ontology's Cortical plate Structure:

```
http://api.brain-map.org/api/v2/tree_search/Structure/695.xml?descendants=true
```

#### Parameters

filename	Integer	Structure.id
file extension	String	.xml or .json
ancestors	Boolean (optional)	Defaults to false. Searches for Structures that the specified Structure descends from in the associated Ontology.
descendants	Boolean (optional)	Defaults to false. Searches for Structures that descend from the specified Structure in the associated Ontology.

#### Returns

Flat list of Structures ordered by level in XML or JSON format.

### Specimen Tree Search Service

The Specimen Tree Search service returns a flat list of ancestors and/or descendants for the specified Specimen.

## Prototype

```
http://api.brain-map.org/api/v2/tree_search/Specimen/[Specimen.id].[json|xml]&ancestors=[true|false]&descendants=[true|false]
```

## Example

Search for ancestors of a Specimen from the Human Brain ISH Neurotransmitter Study:

```
http://api.brain-map.org/api/v2/tree_search/Specimen/113817886.xml?ancestors=true
```

## Parameters

filename	Integer	Specimen.id
file extension	String	.xml or .json
ancestors	Boolean (optional)	Defaults to false. Searches for Specimens that the specified Specimen descends from in the hierarchy.
descendants	Boolean (optional)	Defaults to false. Searches for Specimens that descend from the specified Specimen in the hierarchy.

## Returns

Flat list of Specimens ordered by level in XML or JSON format.