

# AD ontological architecture for neuroimaging datawarehouse: merging and establishing anatomical normative data from 17 datasets

<https://www.neurodegenerationresearch.eu/survey/ad-ontological-architecture-for-neuroimaging-datawarehouse-merging-and-establishing-anatomical-normative-data-from-17-datasets/>

## Principal Investigators

Duchesne, Simon

## Institution

Université Laval

## Contact information of lead PI

### Country

Canada

## Title of project or programme

AD ontological architecture for neuroimaging datawarehouse: merging and establishing anatomical normative data from 17 datasets

## Source of funding information

CIHR

## Total sum awarded (Euro)

€ 144,864

## Start date of award

01/10/2013

## Total duration of award in years

3

## Keywords

### Research Abstract

No single neuroimaging dataset is sufficiently large to provide a comprehensive understanding of the AD disease process, propose accurate diagnostic and prognostic, and evaluate response to therapy. Yet, federating databases remains an arduous task, as we cannot rely on any domain-specific interoperability framework. We propose an ontology-based strategy to alleviate this situation. We will use ontologies to merge 17 neuroimaging-centric datasets, process them

identically, and establish population norms for anatomical structures and metabolic information. We will implement the system locally, and disseminate the ontology nationally and internationally.

**Further information available at:**

**Types:**

Investments < €500k

**Member States:**

Canada

**Diseases:**

N/A

**Years:**

2016

**Database Categories:**

N/A

**Database Tags:**

N/A