

# Vincent Emonet

*Semantic web design engineer*

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vemonet  
13/11/1991 – Driving License

## Experiences

- January 2015 to July 2017 **Computer science design engineer - Ontologies & Semantic Web,**  
*CNRS - Laboratory of Informatics, Robotics and Microelectronics of Montpellier, France.*
- Administration and new features development on *bioportal.lirmm.fr* and *agroportal.lirmm.fr* platforms, used for ontology storage, exploration and text annotation (Ruby on Rails & Java): [github.com/siffrproject](https://github.com/siffrproject)
  - Kept compatibility with main version of the NCBO BioPortal (tests)
  - Packaged, integrated and documented Natural Language Processing programs, available at *advanse.lirmm.fr* (Java, AngularJS, Linux administration): [gite.lirmm.fr/advanse](https://gite.lirmm.fr/advanse)
  - Enhanced and packaged the YAM++ ontologies matching tool (Java): [gite.lirmm.fr/opendata](https://gite.lirmm.fr/opendata)
  - Developped a web interface for ontologies mappings validation (JEE) : [yamplusplus.lirmm.fr](https://yamplusplus.lirmm.fr)
- 03/2014 to 09/2014 **Bioinformatics design engineer - Biomedical data processing,**  
*Université de Laval, Québec, Canada.*
- Development of web services to access biomedical data in the RDF format for the *bio2rdf.org* project: [github.com/bio2rdf/bio2rdf-rest](https://github.com/bio2rdf/bio2rdf-rest)
- 06/2013 to 09/2013 **Development of components for the Talend ETL for the Semantic Web (Java):** [github.com/vemonet/talend4sw](https://github.com/vemonet/talend4sw)
- Converting biomedical databases to RDF format (PubMed, neXtProt) using Talend ETL and Java
  - Set up a Hadoop platform for Big Data on CentOS server
- June 2012 to August 2012 **Intern in bioinformatics in an ecology research laboratory,**  
*University of California, Berkeley, USA.*
- Developped DNA sequence analysis programs using Python 2.7
  - Set up an Amazon Web Service machine image based on Linux

## Education

- 2012 – 2014 **Master degree, Physiology, biotechnology and informatics,** *University of Poitiers, France, Biotechnology.*
- 2011 – 2012 **Bachelor's degree, Bioinformatics,** *University of Poitiers, France, Biotechnology specialization.*
- 2009 – 2011 **Technical College Diploma, Bioengineering,** *Toulon, France, Biology and biochemistry analysis.*

## Publications

- Platforms
  - HAL: [https://hal.archives-ouvertes.fr/search/index/q/\\*/authFullName\\_s/Vincent+Emonet](https://hal.archives-ouvertes.fr/search/index/q/*/authFullName_s/Vincent+Emonet)
  - dblp: <http://dblppublications.uni-trier.de/pers/hd/e/Emonet:Vincent>
- LIRMM
  - Anne Toulet et al., **Metadata model in an ontology portal** (french), 2016
  - C. Jonquet et al., **Reusing the NCBO BioPortal technology for agronomy to build AgroPortal**, 2016
  - A. Annane et al., **Multilingual Mapping Reconciliation between English-French biomedical ontologies**
- Bio2RDF
  - M. Dumontier et al., **Bio2RDF Release 3: A larger, more connected network of Linked Data for the Life Sciences.** *International Semantic Web Conference*, 2014

## Skills

- Languages Java, Ruby (on Rails), HTML, JavaScript, CSS, SQL, Regex, Python
- Web RDF, SPARQL, ontologies (OWL, SKOS, OBO, UMLS), RESTful API, Big Data (Hadoop), JSON, XML
- Tools Git, Linux (Shell, Debian, RedHat), Docker, ETL Talend et méthodologie Agile
- Biology Notions in biotechnology, genetics, biochemistry and physiology

## Languages

- English TOEIC Score 2014: 935. 5 months in the USA. Active participation in discussion, reading and writing documents
- Spanish Basic notions for communication

## References

### LIRMM lab

- Computer science researchers
- Clément Jonquet ([jonquet@lirmm.fr](mailto:jonquet@lirmm.fr))
  - Zohra Bellahsene ([bella@lirmm.fr](mailto:bella@lirmm.fr))
  - Jérôme Azé ([jerome.aze@lirmm.fr](mailto:jerome.aze@lirmm.fr))

### Bio2RDF project

- François Belleau,  
bio2rdf.org project co-founder  
([francois.belleau@gmail.com](mailto:francois.belleau@gmail.com))

### UC Berkeley

- Adam Retchless,  
bioinformatics researcher  
([adam@retchless.us](mailto:adam@retchless.us))