




Tim Williams



Linked Data & Knowledge Graph architect and educator. [F.A.I.R.](#) data advocate. Over fifteen years of experience in the pharmaceutical industry and a previous ten in healthcare and environmental informatics.

Contact

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Skills

Team Leadership
Project Management
Communications
Course Development & Instruction
Systems Validation

Software & Languages

- R, RShiny
- SAS
- Protégé
- RDF Triplestores
- RDF
- OWL
- SPARQL
- D3JS

Award and Activities

2018 – present Steering Committee, PhUSE Computational Science Symposium
2018 [PhUSE Outstanding Contributor, Americas](#)
2016 **Best Paper**, Data Visualization. EUConnect16
2013 **Best Paper**, Applications and Software Development EUConnect13

Projects and Workshops

Author and Instructor: *Let's Make a Knowledge Graph!* <http://bit.ly/learnkg>

An interactive introduction to RDF Knowledge Graphs.

Project Co-lead: *Clinical Trials Data as RDF* <http://bit.ly/ctdasrdf>

Ontology-based modeling of clinical trials results data with conversion to RDF.

Project Co-lead: *RDF Data Cubes for Clinical Research & Development* (2016) <http://bit.ly/cuberdof>

Contributor: *Unique Identifiers for Pharma* <http://bit.ly/pharmauid>

Publications and Presentations

Presentation: **Toward F.A.I.R. Pharma. PhUSE Initiatives Past and Present.**

Semantics@Roche 2019; Basel. <http://bit.ly/fairpharm>

Presentation: **Knowledge Graphs for Pharma.** Pistoia Alliance, 2019. <http://bit.ly/kgpharm>

Presentation: **Semantic Web in the Pharmaceutical Industry: A Landscape of Challenges and Opportunities.** SWAT4HCLS 2018; Antwerp. <http://bit.ly/swpharm>

Williams, T. **Overcoming Resistance to Technology Change: A Linked Data Perspective.**

PhUSE EUConnect 2018; Frankfurt. <http://bit.ly/eucon18>

Oliva, A. and T. Williams. **Transforming Clinical Trials with Linked Data.** PhUSE USConnect 2018; Raleigh. <http://bit.ly/uscon18>

Williams, T. and A. Oliva. **Breaking the Mould: Clinical Trials Data as RDF.** PhUSE EUConnect 2017; Edinburgh. <http://bit.ly/eucon17>

Williams, T. **Interactive Visualization of Linked Data. [Best Paper, Data Visualization]** PhUSE EUConnect 2016; Barcelona. <http://bit.ly/eucon16>

Andersen, A and T. Williams. **'Dude, where's my graph?' RDF Data Cubes for Clinical Trials Data.** PhUSE EUConnect 2015; Vienna. <http://bit.ly/eucon15>

Williams, T. **A Primer on Converting Analysis Results Data to RDF Data Cubes using Free and Open Source Tools.** PhUSE EUConnect 2014; London. <http://bit.ly/eucon14>

Williams, T. **A Guide to Deploying Subversion for Version Control of SAS Programs in the Pharmaceutical Industry. [Best Paper, Applications and Software Development]** PhUSE EUConnect 2013; Brussels. <http://bit.ly/eucon13>

Work Experience

2012 - present **Statistical Solutions Analyst**

UCB Biosciences

- New technologies for analytics and data visualization.
- Business Lead: Validated R Studio and R Shiny platform deployment
- Founder: UCB R Interest Group

2008 - 2012 **Applications Manager**

UCB Biosciences

- Systems selection, validation, and support for Global Statistical Programming.
- Computerized systems validation and life cycle management.
- Training and support for international programming teams.

2002 - 2008 **System Administrator**

PRA Health Sciences

- SAS systems administration, validation, deployment, international licensing
- Course development and instruction, support of 250+ programmers.

Previous **Principal SAS Programmer, Computer Systems Analyst, Research Associate (Epidemiology)**

Education

BSc., MSc. Biology

University of New Brunswick, Canada

President, UNB Biology Society