Let's Make a Knowledge Graph! An Interactive, Hands-on Workshop.

- Tim Williams, UCB Biosciences

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The terms Knowledge Graph and F.A.I.R Data (<https://www.go-fair.org/fair-principles/>) are gaining popularity in our industry. But what are they, and how do we apply the technology and mindset to solve our data and standards challenges? Both concepts are built on a foundation of Linked Data, which provides meaningful (semantic) relationships between data values as well as the capability to include metadata, rules, and standards.

This is an updated version of previous workshops at the CSS and EUConnect conferences where we invite attendees who have not participated in the previous workshops to attend an interactive Linked Data experience. You will use a web application to diagram relationships for clinical trial processes and data, then convert your white board drawing to Resource Description Framework (RDF). You will query your data, then seamlessly merge it with the data from all of the other attendees. An ontology and reasoner will infer values and relationships not in the original content, and your data will be augmented using freely available open sources including ClinicalTrials.gov and DBPedia.

This introductory workshop provides the background you need to launch your own exploration of this technology or participate in a PhUSE project. We welcome attendees with no previous experience with Linked Data.

Preregistration is required. You must bring a laptop with remote desktop capability and attend a preparatory webinar in the days preceding the workshop.

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Bio: Tim Williams is a co-lead of the PhUSE project "Going Translational with Linked Data" has been connecting "things to other things" since PhUSE 2013 in Brussels. He is a Solutions Analyst at UCB Biosciences in Raleigh, North Carolina.

Bio: Johannes Ulander is a CDISC Subject Matter Expert at S-Cubed and authorised CDISC SDTM Instructor enthusiastic about the new possibilities for Clinical Data by linking it together.