Semantic Annotation in the Biomedical Domain: Large-scale Classification and BioASQ

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Semantic annotation in the biomedical domain raises the problem of classifying texts with large-scale taxonomies, a problem sometimes referred to as extreme classification. In this presentation, we will give an overview of this problem and the main solutions proposed, with a focus on textual collections and the BioASQ challenge.

Prof. Eric Gaussier is known for his work on the intersection of Artificial Intelligence (AI) and Data Science (DS), in particular for his contributions on models and alogrithms to extract information, insights and knowledge from data in various forms.

He has worked on three main subfields of AI and DS: machine learning, information retrieval and computational linguistics. He is also interested in modeling how (textual) information is shared in social (content) networks, and how such networks evolve over time. More recently, he has also been working on improving job scheduling techniques through machine learning, and in learning representations for different types of sequences, as texts and time series.