

## **Visual Learning meets Natural Science: Opportunities and Challenges**

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In this talk I will present the work we are conducting in the Visual Learning Lab Heidelberg, which is at the intersection of computer vision and machine learning. After a gentle introduction to classical supervised machine learning, I will explain our latest research results, which often do not fit in this classical form. The aim of this talk is to link the machine learning concepts of our research to potential projects in natural science, such as from biology, medicine, or environmental physics. In this way, I hope to inspire researchers from natural science to think about utilizing such concepts in their work. No background in computer vision or machine learning is required.