

## **Neuronal basis of object recognition in visual inspection of x-ray images**

### **Original title / Originaltitel**

Neuronale Grundlagen der Objekterkennung bei der Betrachtung von Röntgenbildern - Kooperation mit der Arbeitsgruppe

### **Summary / Zusammenfassung**

The importance of security controls at airports has increased dramatically in recent years. A central aspect is the inspection of passenger baggage using x-ray machines. Since the last decision is always made by a human operator, it is important to better understand the underlying object recognition processes. The aim of this research collaboration is to understand how computer-based training increases object recognition performance and how this is reflected in changes of brain activity measured using fMRI.

Weitere Informationen unter [www.psychologie.unizh.ch/vicoreg/research/](http://www.psychologie.unizh.ch/vicoreg/research/)

### **Publications / Publikationen**

Informationen unter [www.psychologie.uzh.ch/vicoreg/publications/index\\_byarea.htm](http://www.psychologie.uzh.ch/vicoreg/publications/index_byarea.htm)

### **Project Leadership and Contacts / Projektleitung und Kontakte**

Dr. Adrian Schwaninger (Project Leader)

### **Other Links to external Webpages / Andere Links zu externen Webseiten**

[www.psychologie.uzh.ch/vicoreg/](http://www.psychologie.uzh.ch/vicoreg/)

### **Funding Source(s) / Unterstützt durch**

Universität Zürich (position pursuing an academic career)

### **In Collaboration with / In Zusammenarbeit mit**

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**Duration of Project / Projektdauer**

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