



AURÉLIEN BLARY

From France to Sweden



Project: **Sterol biosynthesis and homeostasis**

Research topic: **Biology**

Swedish Institution: **Lund University**

French Institution: **Strasbourg University**

Dates of mobility: **20/09/2021 to 24/09/2021**

Program: **SFVE-A (ex TOR)**



PRESENTATION

After a first work experience as seed production assistant in the Netherlands, [Aurélien Blary](#) chose to further develop his scientific skills with a PhD (France) and a post-doctorate (Germany) in plant genetics. He joined the [Institut de biologie moléculaire des plantes \(IBMP, CNRS\)](#) in 2019 to work in the [Plant Isoprenoid Biology team \(PIB\)](#) of [Hubert Schaller](#). His main research interest is the study of sterol biosynthesis, homeostasis, and specificities in plants, with a focus on barley as a plant model.

ACTIVITIES IN SWEDEN

Aurélien Blary visited [Lund University](#), where he presented his current research to [Prof. Mats Hansson](#)'s team and to [Dr. Nick Sirijovski](#), focusing on the use of genetic and metabolomic approaches to characterize mutant lines in barley, in the context of sterol homeostasis and control of plant growth. This presentation led to a discussion on the on-going project between [Strasbourg University](#) and Lund University, notably on the ideal strategy and analytical pipelines used to identify causative mutations. He also followed a presentation on the ongoing research at Lund University on the characterization of mutants of interest in barley.

Regarding future collaborations, they discussed about a research project on biochemical characterization of barley mutant lines that could be performed in Strasbourg with the expertise of the [Plant Imaging and Mass Spectrometry team](#).