



ALINE PROBST

From France to Sweden



Project: **Packaging of long linear chromosomal DNA molecules**

Research topic: **Biology**

Swedish Institution: **Swedish University of Agricultural Sciences (SLU)**

French Institution: **National Institute of Health and Medical Research INSERM**

Dates of mobility: **24/10/2016 to 29/10/2016**

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



PRESENTATION

[Aline Probst](#) is a [CNRS](#) (French National Center of Scientific Research) Director of Research at the National Institute of Health and Medical Research ([INSERM](#)) and the Laboratory of Genetics, Reproduction and Development ([GReD](#)) at the University Clermont Auvergne ([UCA](#)). She is among others interested in how the composition, modification and position of the basic chromatin subunit, the nucleosome, impacts establishment, dynamics and maintenance of higher order organization of chromatin domains, such as heterochromatin. She obtained her PhD in Botany from the [University of Basel](#) in 2004 and was habilitated in 2014 at the UCA (ex-University Blaise Pascal).

ACTIVITIES IN SWEDEN

One of Probst's aims during her visit to Uppsala and SLU was to discuss with colleagues the different bioinformatics approaches needed to analyze genome-wide datasets as well as to discuss possible collaborations on research on histone chaperones. She met with [Prof. Claudia Köhler](#) (now at [Max Planck Institute of Molecular Plant Physiology](#)), who specializes in epigenetic regulation of plant development, [Prof. Lars Hennig](#), who was interested in chromatin biology and epigenomics, and other members of their respective teams and the [Department of Plant Biology](#). She spent time at the Biocentre and was given a tour of the lab-space. She had longer discussions with the bioinformaticians [Minerva Trejo](#) (now at the Institute of Science and Technology Austria [ISTA](#)) and [Juan Santos-Gonzalez](#). They discussed among others DNA methylation, nucleosome occupancy and histone post-translational modifications. Furthermore, she talked with Jori Moreno-Romero (now at Instituto de Biología Molecular y Celular de Plantas IBMCP) and [German Martinez Arias](#) concerning possible collaborations and exchanges of technologies. She also held a seminar on her work.

At the end of the stay, she attended the [French-Swedish Research Day](#) at the [Royal Swedish Academy of Sciences](#) in Stockholm.