

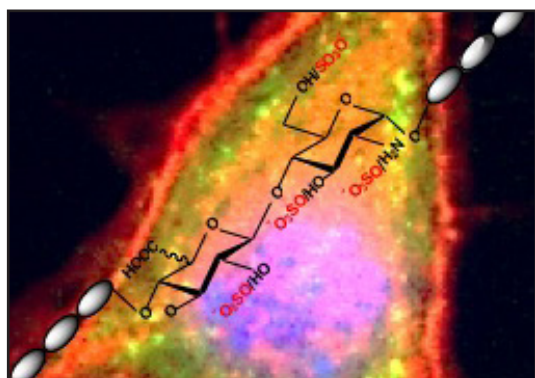
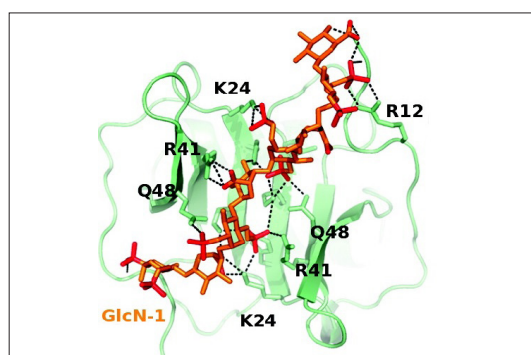
Inserm Workshop 256

Glycosaminoglycan (GAG) biology: newest advances in basic research, technological developments and clinical applications

REGISTRATION DEADLINE: April 19, 2019

ORGANIZERS: Romain VIVES (Institut de biologie structurale, Grenoble), Dulce PAPY-GARCIA (CRRET/UPEC-CNRS 9215, Créteil)

AIMS: To propose a state of the art on the concepts and technological advances for the study of GAG assembly, structure, interactions with proteins and biological functions, both at the molecular scale and in physiopathological conditions.



PHASE I – CRITICAL ASSESSMENT

June 19-21, 2019 in Bordeaux

ON THE ROOTS OF GAG BIOSYNTHESIS AND METABOLISM

Léna KJELLEN (Uppsala University, SWE), Lars PEDERSEN (NIEHS/NIH, USA), Anders MALMSTRÖM (Lund University, SWE), Romain VIVES (IBS, FRA), Sylvie FOURNEL GIGLEUX (Nancy University, FRA)

GAG-PROTEIN INTERACTIONS: STRUCTURE/FUNCTION RELATIONSHIPS AND PHYSIOPATHOLOGY

Hugues LORTAT-JACOB (IBS, FRA), Andrea VORTKAMP (Essen University, DEU), Mattias BELTING (Lund University, SWE), Dulce PAPY-GARCIA (Université Paris Est, FRA), Jacob van den BORN (Groningen University, NLD)

TECHNOLOGICAL AND METHODOLOGICAL APPROACHES FOR GAG ANALYSIS

Pedro M. NIETO (Spanish National Research Council, ESP), Toin van KUPPEVELT (Radboud University, NLD), Sylvie RICARD-BLUM (Université de Lyon I, FRA), David BONNAFFÉ (Institut de chimie moléculaire et des matériaux d'Orsay, FRA), Fredrik NOBORN (University of Gothenburg, SWE)

GAGS: FROM BENCH TO BEDSIDE

Franck CHIAPPINI (OTR3, FRA), Patricia ALBANESE (Université Paris Est, FRA), Yongmei XU (South Carolina University, USA)



PHASE II – TECHNICAL WORKSHOP

November, 2019 in Grenoble

Phase II aims at proposing an introduction and training to different techniques for the structural and functional analysis of GAGs. During a first session, participants will learn techniques for the extraction, purification, quantification and compositional analysis of GAGs from cells and tissues. A second session will be dedicated to the structural and kinetic analysis of GAG/protein interactions. Both sessions will involve practical work using biochemical (ELISA, HPLC...) and biophysical (SPR, NMR...) techniques.

SELECTION: 12 trainees will be selected among Phase I participants.

Information and registration:
ateliers@inserm.fr