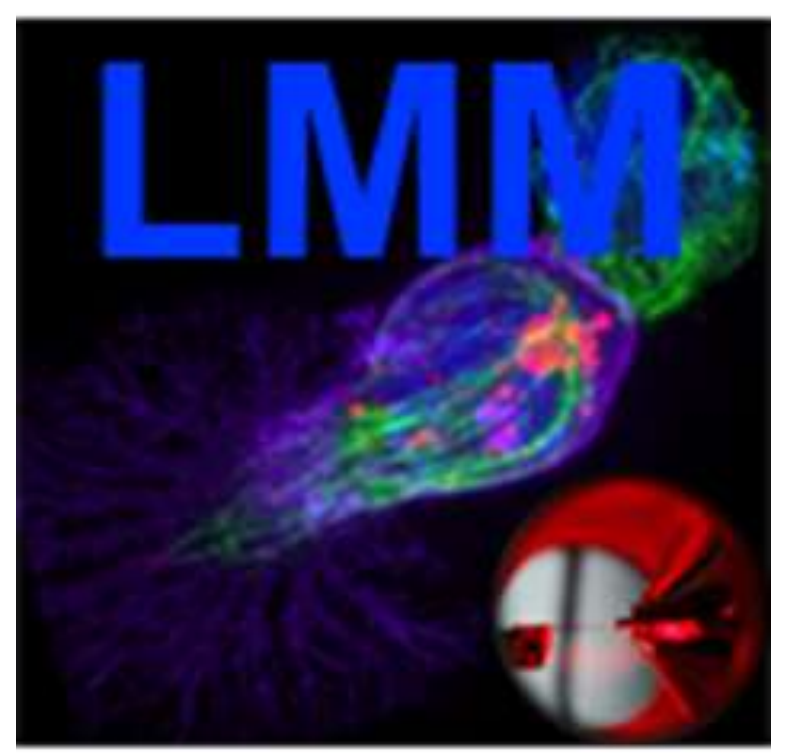




Laboratory for Medical Mass Spectrometry seminar Medical Bioinformatics.



Topic

Recent advances in modern OMICS technology allow measuring the expression of all kinds of biological entities (genes, proteins, metabolites, miRNAs, etc.) at low cost and in high-throughput.

Computational challenges for analyzing such big data emerge, ranging from the low signal to noise ratio to high model complexity, which render simple statistical questions arbitrarily complicated

In this afternoon seminar, we have invited a number of prominent researchers within bioinformatics and BigData applied to medical and clinical research.

The Baumbach lab at SDU will introduce their computational biology research (see www.baumbachlab.net)

The Protein research group at SDU will introduce their computational research focusing on bioinformatics of Complex Data.

The Department of Hematology presents their efforts into personalized medicine for improved cancer treatment.

Aalborg University is now fully associated with the danish and european partnership ELIXIR.

ELIXIR unites Europe's leading life science organisations in managing and safeguarding the increasing volume of data being generated by publicly funded research.

BaumbachLab.net 

Programme

13.00 Welcome v. Allan Stensballe.

13.00 -13.30 Allan Stensballe "Bioinformatics at LMM, PRO-MS and introduction to ELIXIR.dk & Danisk National App store"

13.30 -14.30 Jan Baumbach "Systems BioMedicine - When signaling networks meet multiple OMICS data types"

Tools: KeyPathwayMiner, TiCoNE, HitSeekR

Web: <https://ticone.compbio.sdu.dk>,

<http://keypathwayminer.compbio.sdu.dk>,

<http://hitseekr.compbio.sdu.dk>

<http://pathclass.compbio.sdu.dk>

14.30 -14.45 Coffee break & Discussions

14.45 -15.15 Veit Schwammle "Bioinformatics of Complex Data"

Software: Variance-sensitive clustering: a shortcut to data interpretation (VSClust)

15.15 -15.45 Martin Bøgsted & Rasmus Brøndum "Bioinformatics of the Hematological Cancer Relapse Project "

15.45 -16.15 Steffen Petersen "Ancestral Patterns in Protein Sequences "

Up to 5 minutes discussion at the end of each talk..

Scientific discussions during lectures..

Time & Place

Aalborg Universitet

Thursday, d. 27 October 2016

Kl 13.00—16.30. Fibigerstræde 15, Wunderbar



Further information: Allan Stensballe (as@hst.aau.dk; 61608786)

Free coffee!

