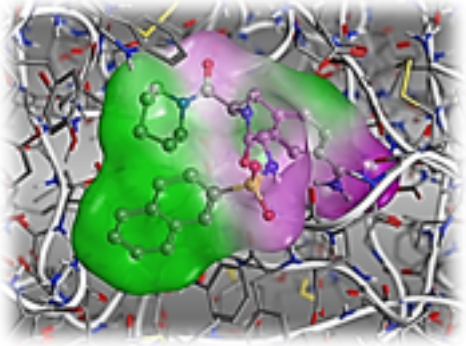
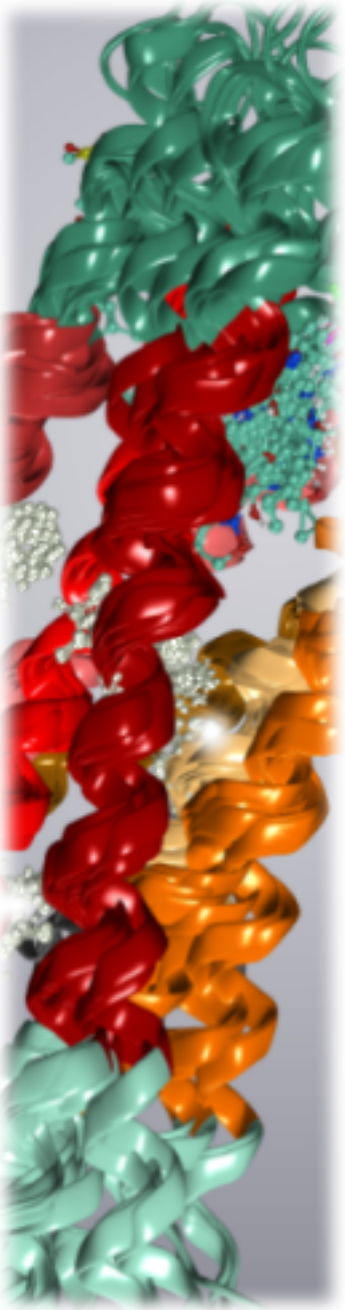


2016 PROTEO Summer School
Computational drug design



PROGRAM

August 18-19th

Concordia University, Downtown Campus

(MB Building (John Molson), 1450 Rue Guy, Montreal, Quebec)

For more information please visit the website:
http://www.esi.umontreal.ca/~pelletjo/proteo2016/

PROGRAM

Day 1 : August 18th	**Subject**	**Schedule**
Registration and breakfast		10h00 - 10h25
Introduction to the workshop		10h25 - 10h30
LECTURE: Computational Chemistry involvement in Pharmaceutical Drug Discovery programs: Co-existence of the Good, Bad and Ugly	Dr. Sanjay Srivastava	10h30 – 12h00
LECTURE: Force field and proteins/ligands interactions	Guillaume Lamoureux	12h00 - 13h30
Lunch		13h30 - 14h30
TUTORIAL: Computational drug design 1	Audrey Bonin	14h30 - 16h00
Coffee break		16h00 - 16h20
TUTORIAL: Computational drug design 2	Audrey Bonin	16h20 - 17h50
Reception		17h50 - 20h00

Day 2 : August 19th	**Subject**	**Schedule**
Breakfast		9h00 - 9h30
LECTURE: Protein and antibody modelling	Joelle Pelletier	9h30 - 11h00
LECTURE: Homology modelling and molecular docking	Maximilian Ebert	11h00 - 12h00
Lunch		12h00 - 13h00
TUTORIAL: Protein and antibody modelling 1	Audrey Bonin	13h00 - 14h30
Coffee break		14h30 - 14h50
TUTORIAL: Protein and antibody modelling 2	Audrey Bonin	14h50 - 16h20
Q&A How I can apply this to my research?		16h20 - 17h00
Closing remarks		17h00 – 17h15

Lecturers

Dr. Sanjay Srivastava
Paraza Pharma Inc

Dr. Sanjay Srivastava has over 15 years of pre-clinical research experience in generating & applying Computational Chemistry or Cheminformatics led solutions to problems in Drug Discovery, at multiple big Pharma companies. He has led or participated in the introduction of several novel computational paradigms in improving drug design strategies. At AstraZeneca, he was part of the team that was recognized with the highest R&D award for implementing and instilling the culture of predictive in-silico ADME models in preclinical research. He was also involved in several Pain projects that advanced candidate compounds to clinical phase.
Sanjay obtained a Masters degree in Physical Chemistry from IIT, Kanpur (India) before proceeding to Case Western U (USA) for a Ph.D in Computational Chemistry (w/ Prof Klopman) followed by a postdoctoral fellowship at College of Pharmacy, U of Michigan (w/ Prof Crippen). After a brief stint at National Research Council Canada, he worked at AstraZeneca's Pain research center at Montreal, Canada for 12 years before spending some years with Boehringer-Ingelheim R&D, Laval to lead & consolidate their Cheminformatics platform. Since 2013 he has been providing Integrated Informatics expertise to startup biotechs and CROs in Canada and India, with recent consultant role being at Paraza Pharma Inc, a company that has slowly evolved into a Montreal based top provider of integrated drug discovery services to the pharmaceutical industry.

Audrey Bonin
Chemical Computing Group

Guillaume Lamoureux
Concordia University, Department of Chemistry and Biochemistry

Joelle Pelletier
University of Montréal, Department of Chemistry

Instructors

Olivier Rousseau
University of Montréal, Department of Chemistry

Maximilian Ebert
University of Montréal, Department of Chemistry