

PROGRAMA DO II WORKSHOP TOPICOS AVANÇADOS EM PROTEOMICA

Segunda parte – “Proteomics Bioinformatics”

28 de agosto a 04 de setembro de 2015, Auditório Maria Deane – Pavilhão Leônidas Deane  
(Exceto no dia 28/08 na Sala 3 do Módulo de Expansão do Ensino no Pavilhão Arthur Neiva)

Sexta-feira 28/08/2015 Introduction to proteomics and mass spectrometry	Segunda-feira: 31/08/2015 SKYLINE	Terça-feira: 01/09/2015 SKYLINE	Quarta-feira: 02/09/2015 SKYLINE	Quinta-feira: 03/09/2015 Pattern-Lab for Proteomics	Sexta-feira: 04/09/2015 Bioinformatic analysis of proteomic data: finding the biological sense of protein identifications
9:00h –13:30h <b>Sala 3 do Módulo de Expansão do Ensino no Pavilhão Arthur Neiva</b> <b>Lecture:</b> Introduction to proteomics and mass spectrometry - <b>Dr. Gabriel Padron</b>	8:30h – 9:10h: Wellcome and Opening remarks – 9:15h – 10:10h <b>Lecture:</b> Moving from discovery to targeted proteomics – focus on SRM - <b>Ariel Bensimon</b>	9:00h – 10:00h <b>Lecture:</b> Protein quantification - <b>Ariel Bensimon.</b>	9:00h – 10:00h <b>Lecture:</b> Data independent acquisition (DIA) – <b>Dr. Jarrett Egertson</b>	9:00 h – 10:00h <b>Lecture:</b> Introduction to PatternLab - Comet PSM. <b>Dr. Paulo Carvalho</b>	9:00 h – 10:00h <b>Lecture:</b> Use of DAVID, Enrichr and KEGG. - <b>Dr. Gabriela Meirelles</b>
	10:10 h - 10:30 – Café	10:00h-10:30h -Café	10:00h-10:30h - Café	10:00h-10:30h - Café	10:00h – 10:30 Café
	<b>10:30-11:15h Lecture:</b> Introduction to Skyline – <b>Dr. Brendan MacLean</b> <b>11:15-12:30 Tutorial:</b> Targeted method editing in Skyline – <b>Dr. Brendan MacLean</b>	<b>10:30 – 11:30h Lecture:</b> Statistical considerations for experimental design and data analysis – <b>Dr. Brendan MacLean</b> <b>11:30-12:30 Tutorial:</b> Group comparison statistics and reports in Skyline – <b>Dr. Brendan MacLean</b>	<b>10:30 – 12:00h Tutorial:</b> Data independent acquisition (DIA) data analysis – <b>Dr. Jarrett Egertson</b> <b>12:00 – 12:30h Lecture:</b> DIA Chorus cloud chromatogram extraction – <b>Dr. Brendan MacLean</b>	<b>10:30 h – 12:30h Tutorial:</b> Comet PSM - Data Analysis.- <b>Dr. Paulo Carvalho</b>	<b>10:30h – 12:30h Lecture:</b> Use of IIS and Cytoscape. - <b>Dr. Gabriela Meirelles</b>
	12:30 – 13:30h ALMOÇO	12:30 – 13:30h ALMOÇO	12:30 – 13:30h ALMOÇO	12:30h – 13:30h ALMOÇO	12:30h – 13:30h ALMOÇO
	<b>13:30-15:00 h – Tutorial:</b> Targeted method refinement in Skyline – <b>Dr. Brendan MacLean</b>	<b>13:30 -14:00h Lecture:</b> Overview and keys to success in processing DDA data with Skyline <b>Dr.</b>	<b>13:30 h – 14:30 Lecture:</b> Panorama web repository for Skyline documents – <b>Dr. Brendan MacLean</b>	<b>13:30 – 15:30h - Tutorial:</b> Quantifying with SeProQ - <b>Dr. Paulo Carvalho</b>	<b>13:30 – 15:30 h - Data analysis.</b> - <b>Dr. Gabriela Meirelles</b>

		<b>Brendan MacLean</b> <u>14:00-15:30 Tutorial:</u> Label-free quantitative analysis of DDA data with Skyline – <b>Dr. Brendan MacLean</b>			
	15:00-15:30 -Café	15:30-16:00 -Café	14:30-15:00 -Café	15:30-16:00 Café	15:30-16:00 Café
	<u>15:30 – 16:15 Lecture:</u> Determination of optimal SRM assay parameters - <b>Ariel Bensimon</b>  <u>16:15 – 18:00 – Data analysis in SKYLINE:</u> <b>Dr. Brendan MacLean.</b>	<u>16:00 – 17:30h Tutorial:</u> Parallel reaction monitoring (PRM) with Skyline_– <b>Dr. Jarrett Egertson</b>	<u>15:00-16:30 h Jeopardy Quiz</u>  <u>16:30-17:30 h Summary:</u> – <b>Dr. Brendan MacLean</b>	<u>16:00 – 17:30h Data analysis:</u> <b>Dr. Paulo Carvalho</b>	<u>16:00 -17:30h – Data analysis.</u> - <b>Dr. Gabriela Meirelles</b>  <u>17:30 – 18:00 h - Closing remarks.</u>

**Organização:**

Dra. Patricia Cuervo, Laboratório de Pesquisa em Leishmaniose, IOC-FIOCRUZ, RJ  
Dra. Ana Gisele da Costa Neves Ferreira, Laboratório de Toxinologia, IOC-FIOCRUZ, RJ  
Dr. Gabriel Padrón, Pesquisador Visitante, Laboratório de Pesquisa em Leishmaniose, IOC-FIOCRUZ, RJ  
Dr. Leonardo Saboia Vahia, Laboratório de Pesquisa em Leishmaniose, IOC-FIOCRUZ, RJ  
Dr. Marcos Catanho, Laboratório de Genômica Funcional e Bioinformática, IOC-FIOCRUZ, RJ  
Dra. Jonas Perales, Laboratório de Toxinologia, IOC-FIOCRUZ, RJ