



WORKSHOP

“Cancer Genomics and Gene Expression Analysis”

Friday 18 November 2016
Faculty of Medicine, PUC, Santiago, Chile.

PROGRAM

08:30 - 09:00 Registration and Welcome

Session 1: Overview of Cancer Genomics

09:00 - 10:00 **Talk 1:** Systems Biology and Cancer (Alejandro Corvalán, MD., MSc.)
10:00 - 10:30 **Talk 2:** Experimental design and Omics analysis (Elmer Fernández, PhD.)
10:30 - 11:00 Round Table and Discussion Forum

Session 2 Gene Expression Analysis

11:30 - 12:00 **Talk 3:** Microarrays y GEO (Rocío Artigas)
12:00 - 12:30 **Talk 4:** RNAseq (Roddy Jorquera, PhD(c))
12:30 - 13:00 Round Table and Discussion Forum

13:00 - 14:00 Lunch Break

Practical Session

14:00 - 16:00 **Experience 1:** RNAseq data acquisition from GDC portal (SAM/BAM file)
16:00 - 18:00 **Experience 2:** Gene expression analysis (RNAseq) + Heatmaps using R
(Alejandro Corvalán / Elmer Fernandez / Rocío Artigas / Roddy Jorquera / Ignacio Wichmann / Gonzalo Carrasco)