

Quantitative Approaches to Cancer Research
QBI/Institut Curie/Q-Life Symposium
September 5th-6th 2019

Thursday, September 5th 2019

Amphi. C. BURG, 12 rue Lhomond – 75005 Paris

Program

10.45 am	Welcome Coffee at Green Café
11.10 am	Opening by Nevan Krogan, Aura Carreira and Bruno Goud
	Session 1: Systems Biology and Cancer
11.30 am	N. Krogan - UCSF/QBI/Gladstone Institute From Systems to Mechanism: Bridging the Gap between Mutations and Cancer Biology
12.00 pm	E. Barillot - Institut Curie/Q-life Some new challenges in computational molecular oncology
12.30 pm	I. Jain – UCSF/QBI Systems Biology Approaches to Targeting Tumor Hypoxia
1.00 pm	Lunch at Green Café
2.00 pm	Visit of Curie Museum for QBI delegation
3.00 pm	O. Ayrault – Institut Curie Using quantitative proteomics to decipher the biology of medulloblastoma
3:30 pm	S. Bandyopadhyay - UCSF/QBI Mapping the networks that regulate oncogene dependency
	Session 2: Cell Invasion, Cell Movement and Motor Proteins
4.00 pm	A. Houdusse - Institut Curie/Q-life Control of force production by nanomotors in situ: from structural insights to mechanistic cell biology
4.30 pm	E. Farge – Institut Curie/Q-life Mechanotransduction in Mice Colon Tumorigenesis: Evolutionary Origins and Underlying Molecular Mechanism
5.00 pm	Coffee break at Green Café

5.30 pm	D. Vignjevic - Institut Curie/Q-life Fibroblast-Induced Tumor Cell Budding: When Cell Mechanics Dictate Collective Cancer Cell Invasion
6.00 pm	N. Jura – UCSF/QBI Mechanisms for kinase signalling in cancer
6:30 pm	M. Piel - Institut Curie/Q-life Breaching out of the duct: the role of nuclear deformation and nuclear envelope rupture in the switch of DCIS breast cancer cells to an invasive behavior
8.00 pm	<i>Cruise dinner on the Seine</i>

Friday, September 6th 2019

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Program

9.15 am	<i>Welcome Coffee at Green Café</i>
	Session 3: Autophagy, Metal Transport and Signaling
9.30 am	R. Perera – UCSF/QBI Lysosome mediated remodeling of the cancer proteome
10.00 am	R. Rodriguez – Institut Curie/Q-life Roles of metals in cancer
10.30 am	K. Shokat – UCSF/QBI Drugging the undruggable in oncology
11.00 am	<i>Coffee break at Green Café</i>
	Session 4. Cell Fate and Survival Mechanisms
11.30 am	R. Basto - Institut Curie/Q-life Centrosome amplification favours survival and response to chemotherapy in ovarian cancer
12.00 pm	D. Ruggero – UCSF/QBI Decoding the cancer genome one codon at a time and its therapeutic implications

12.30 pm	L. Perie - Institut Curie/Q-life Single cell fate in hematopoiesis
1.00 pm	<i>Lunch at Green Café</i>
	Session 5. Targeting Cancer
2.00 pm	D. Swaney – UCSF/QBI Multidimensional characterization of protein-protein interactions in cancer
2.30 pm	J. Grandis – UCSF/QBI Leveraging the head and neck cancer proteome to improve therapy
	Session 6. Breast Cancer
3.00 pm	C. Vallot - Institut Curie/Q-life Heterogeneity of chromatin states in breast cancer
3.30 pm	<i>Coffee break at Green Café</i>
4.00 pm	A. Carreira – Institut Curie BRCA2: a model to understand genome integrity mechanisms and cancer predisposition
4.30 pm	Concluding remarks - closing
5.00 pm	<i>Cocktail</i>

Practical information

Registration : <http://bit.ly/32CBCKu>

Location

Amphi C. BURG, 12 rue Lhomond 75005 Paris, level -1