

3rd course on **BREAST CANCER: FROM CLINICS TO BIOLOGY**

June 19-23, 2017

Institut Curie - Training Unit - International Course



Monday, June 19 th : Clinical management		Chair: Roman Rouzier	
10:00	Training Unit Institut Curie, Paris - FR	Welcome: practical aspects & coffee	Amphithéâtre BDD 11-13 rue Pierre & Marie Curie 75005 Paris
10:30	Anne Vincent-Salomon & Roman Rouzier Institut Curie, Paris - FR	Introduction to the course	
10:45 11:15	Mathilde His Gustave Roussy, Villejuif - FR	Breast cancer epidemiology	
11:15 11:35	Anne Tardivon Institut Curie, Paris - FR	Breast imaging: current concepts & controversies	
11:35 11:55	Mohammed Ezzet Charfi	<i>Houssami, N. (2017). Overdiagnosis of breast cancer in population screening: does it make breast screening worthless? Cancer Biology & Medicine, 14(1), 1–8.</i>	
12:00 13:30	LUNCH		Green Cafe
13:30 13:50	Fabien Reyat Institut Curie, Paris - FR	Surgery: standards of care & perspectives	Amphithéâtre BDD 11-13 rue Pierre & Marie Curie 75005 Paris
13:50 14:20	Anne Vincent-Salomon Institut Curie, Paris - FR	Breast cancer classification	
14:20 14:40	Antoine Elies	<i>Wagstaf, A. (2016). Should we be talking more about cancer surgery? Cancer World, (October), 4–10.</i>	
14:40 15:00	Youlia Kirova Institut Curie, Paris - FR	Radiation therapy: standard of care and innovations	
15:00 15:20	Romain Grall	<i>Vrieling, et al. (2017). Prognostic Factors for Local Control in Breast Cancer After Long-term Follow-up in the EORTC Boost vs No Boost Trial. JAMA Oncology, 3(1), 42.</i>	
15:20 15:50	BREAK		BDD HALL
15:50 16:10	Etienne Brain Institut Curie, Saint-Cloud - FR	Therapies in HR+ breast cancer	Amphithéâtre BDD 11-13 rue Pierre & Marie Curie 75005 Paris
16:10 16:30	Seyedamirabbas Parizadeh	<i>Heng, et al. (2017). The molecular basis of breast cancer pathological phenotypes. Journal of Pathology, 241(3), 375–391.</i>	
16:30 16:50	Véronique Diéras Centre Eugène Marquis, Rennes - FR	Therapies in HER2+ breast cancer	
16:50 17:10	Suzette Delaloge Gustave Roussy, Villejuif - FR	Therapies in triple negative breast cancer	

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Tuesday, June 20 th : Genomics & Epigenomics		Chair: Anne Vincent-Salomon	
09:00 09:45	Charlotte Proudhon Institut Curie, Paris - FR	Circulating biomarkers in breast cancer diagnostics and treatment	Amphithéâtre BDD 11-13 rue Pierre & Marie Curie 75005 Paris
09:45 10:05	<i>Maryam Heidary</i>	<i>Riva, et al. (2017). Patient-Specific Circulating Tumor DNA Detection during Neoadjuvant Chemotherapy in Triple-Negative Breast Cancer. Clinical Chemistry, 63(3): 691-699.</i>	
10:05 10:50	Helen Davies Wellcome Trust Sanger Institute, Cambridge - UK	Exploring mutational signatures in breast cancer	
10:50 11:10	<i>Vera Geraldès</i>	<i>Davies, et al. (2017). HRDetect is a predictor of BRCA1 and BRCA2 deficiency based on mutational signatures. Nature Medicine, 23(4), 517–525.</i>	
11:10 11:40	BREAK		BDD HALL
11:40 12:10	Alain Viari INRIA, Grenoble - FR	HER2-positive Breast Cancer - Lessons from Whole Genome Sequencing : How, When (and Who)?	Amphithéâtre BDD 11-13 rue Pierre & Marie Curie 75005 Paris
12:10 12:30	<i>Wijden Mahfoudh</i>	<i>Kurian, et al. (2017). Gaps in Incorporating Germline Genetic Testing Into Treatment Decision-Making for Early-Stage Breast Cancer. Journal of Clinical Oncology [epub ahead of print].</i>	
12:30 14:00	LUNCH		Green Cafe
14:00 14:30	Claude Houdayer Institut Curie, Paris - FR	Current questions in germline diagnosis	Amphithéâtre BDD 11-13 rue Pierre & Marie Curie 75005 Paris
14:30 15:15	Jorge S. Reis-Filho Memorial Sloan Kettering Cancer Center, New York - USA	Clinical impact of genomic classifications	
15:15 15:35	<i>Samaneh Kabirian Dehkordi</i>	<i>Piscuoglio, et al. (2016). The genomic landscape of male breast cancers. Clinical Cancer Research, 22(16), 4045–4056.</i>	
15:35 16:15	BREAK		BDD HALL
16:00 16:30	Raphaël Margueron Institut Curie, Paris - FR	The Multiple Facets of PRC2 Alterations in Cancers	Amphithéâtre BDD 11-13 rue Pierre & Marie Curie 75005 Paris
16:30 16:50	<i>Jose Rodrigo Espinosa Fernandez</i>	<i>Gardner, et al. (2017). Chemosensitive Relapse in Small Cell Lung Cancer Proceeds through an EZH2-SLFN11 Axis. Cancer Cell, 31(2), 286–299.</i>	
16:50 17:20	Philippe Chavrier Institut Curie, Paris - FR	Cellular mechanisms underlying the invasive switch in breast cancer	
17:20 17:40	<i>Deanna Ayupova</i>	<i>Lodillinsky, et al. (2016). p63/MT1-MMP axis is required for in situ to invasive transition in basal-like breast cancer. Oncogene, 35(3), 344–357.</i>	
17:40 18:30	POSTER SESSION #1		BDD Annexes

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Wednesday, June 21st: Microenvironment		Chair: Fatima Mechta-Grigoriou	
09:00 09:30	Silvia Fre Institut Curie, Paris - FR	Mammary gland development	Amphithéâtre BDD 11-13 rue Pierre & Marie Curie 75005 Paris
09:30 09:50	<i>Aysegul Kaymak</i>	<i>Spike, et al. (2012). A mammary stem cell population identified and characterized in late embryogenesis reveals similarities to human breast cancer. Cell Stem Cell, 10(2), 183–197.</i>	
09:50 10:20	Fatima Mechta-Grigoriou Institut Curie, Paris - FR	Fibroblast heterogeneity and mechanisms of immunosuppression in breast cancers	
10:20 10:40	<i>Nadine El Banna</i>	<i>Havas, et al (2017). Metabolic shifts in residual breast cancer drive tumor recurrence. Journal of Clinical Investigation, 127(6), 2091–2105.</i>	
10:40 11:10	BREAK		BDD HALL
11:10 11:40	Olivier Herault CHU Tours & CNRS UMR7292, Tours - FR	Stromal niche	Amphithéâtre BDD 11-13 rue Pierre & Marie Curie 75005 Paris
11:40 12:00	<i>Flora Nguyen Van Long</i>	<i>Smid, et al. (2016). Breast cancer genome and transcriptome integration implicates specific mutational signatures with immune cell infiltration. Nature Communications, 7, 12910.</i>	
12:00 13:30	LUNCH		Green Café
13:30 14:00	Laurence Zitvogel Gustave Roussy, Villejuif - FR	Th impact of the gut microbiota in cancer therapeutics	Amphithéâtre BDD 11-13 rue Pierre & Marie Curie 75005 Paris
14:00 14:20	<i>Iris Tanaka</i>	<i>Zitvogel, et al. (2017). Anticancer effects of the microbiome and its products. Nature Reviews Microbiology. [Published online].</i>	
14:20 14:50	Emanuela Romano Institut Curie, Paris - FR	Current status of immune therapy in breast cancer	
14:50 15:10	<i>Ana Valcarcel Orti</i>	<i>Kimmelman (2017). Is Participation in Cancer Phase I Trials Really Therapeutic? Journal of Clinical Oncology, 35(2), 135-138.</i>	
15:10 15:40	François Ringeisen Eli Lilly International, Geneva, CH	Research in Pharma	
15:40 16:40	POSTER SESSION #2		BDD Annexes

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Thursday, June 22 nd : Resistance and metastases		Chair: Jean-Yves Pierga	
09:00 09:30	Stéphan Vagner Institut Curie, Orsay - FR	RNA biology and resistance to treatment in breast cancer	Amphithéâtre BDD 11-13 rue Pierre & Marie Curie 75005 Paris
09:30 09:50	<i>YiQing Lü</i>	<i>Cannell, et al. (2015). A Pleiotropic RNA-Binding Protein Controls Distinct Cell Cycle Checkpoints to Drive Resistance of p53-Defective Tumors to Chemotherapy. Cancer Cell, 28(5), 623–637.</i>	
09:50 10:20	Antonin Morillon Institut Curie, Paris - FR	Long non coding RNA and cancer	
10:20 10:40	<i>Nitin Sabherwal</i>	<i>Yan, et al. (2015). Comprehensive Genomic Characterization of Long Non-coding RNAs across Human Cancers. Cancer Cell, 28(4), 529–540.</i>	
10:40 11:10	BREAK		BDD HALL
11:10 11:55	Muriel le Romancer Centre Léon Bérard, Lyon - FR	Biology of estrogen receptor	Amphithéâtre BDD 11-13 rue Pierre & Marie Curie 75005 Paris
11:55 12:15	<i>Lucie Malbêteau</i>	<i>Mohammed, et al. (2015). Progesterone receptor modulates ERα action in breast cancer. Nature, 523(7560), 313–317.</i>	
12:15 13:45	LUNCH		Green Cafe
13:45 14:30	Charlotte Ng University of Basel and University Hospital Basel, Basel - CH	Bioinformatics in breast cancer genomics	Amphithéâtre BDD 11-13 rue Pierre & Marie Curie 75005 Paris
14:30 14:50	<i>Ajit Kumar</i>	<i>Ewing, et al. (2015). Combining tumor genome simulation with crowdsourcing to benchmark somatic single-nucleotide-variant detection. Nature Methods, 12(7), 623–630.</i>	
14:50 15:20	Paul Cottu Institut Curie, Paris - FR	Natural history and genomics of breast cancer metastases	
15:20 15:40	<i>Henri-Philippe Konan</i>	<i>Spoerke, et al. (2016). Heterogeneity and clinical significance of ESR1 mutations in ER-positive metastatic breast cancer patients receiving fulvestrant. Nature Communications, 11579.</i>	
15:40 16:10	BREAK		BDD HALL
16:10 17:10	Carlos Caldas CRUK Cambridge Institute, University of Cambridge - UK	Breast cancers are communities of clones and communities of cells	Amphithéâtre Constant Burg 12, rue Lhomond 75005 Paris
17:10 17:30	<i>Jonathan lent</i>	<i>Pierobon, et al. (2017). Enrichment of PIK3-AKT-MTOR pathway activation in hepatic metastases from breast cancer. Clinical Cancer Research. [epub ahead of print].</i>	
17:30 22:00	COCKTAIL & PARTY		Chez Marie

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Friday, June 23 rd : Experimental models			Chair: Stephan Vagner
10:00 10:45	Jos Jonkers Netherlands Cancer Institute, Amsterdam - NL	Genetic dissection of breast cancer development, therapy response and resistance in mouse models	Amphithéâtre BDD 11-13 rue Pierre & Marie Curie 75005 Paris
10:45 11:05	<i>Ellen Langille</i>	<i>Annunziato, et al. (2016). Genetic Dissection of Cancer Development, Therapy Response, and Resistance in Mouse Models of Breast Cancer. Cold Spring Harbor Symposia on Quantitative Biology, LXXXI.</i>	
11:05 11:50	Philippe P. Juin Inserm, Nantes - FR	Apoptotic sensitivity of breast cancer tissues	
11:50 12:10	<i>Inês Gomes</i>	<i>McFarland, et al. (2017). The damaging effect of passenger mutations on cancer progression. Cancer Research. [epub ahead of print].</i>	
12:10 13:40	LUNCH		Green Cafe
13:40 14:25	Christophe Ginestier Inserm U891, Marseille - FR	Breast cancer stem cells	Amphithéâtre BDD 11-13 rue Pierre & Marie Curie 75005 Paris
14:25 14:45	<i>Bojana Stefanovska</i>	<i>Shimokawa, et al. (2017). Visualization and targeting of LGR5+ human colon cancer stem cells. Nature, 1–21.</i>	
14:45 15:30	Roberto Buccione EMBO Press, EMBO Molecular Medicine, Heidelberg - DE	The transparent editorial process, data reproducibility and research integrity	
15:30 15:45	Roman Rouzier Institut Curie, Paris - FR	Course wrap-up	

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