

5th course on **BREAST CANCER: FROM CLINICS TO BIOLOGY**

3-7 October, 2022

Institut Curie - Training Unit - International Course



Monday, 3rd of October

Day 1 : Clinical management		
10:30: 10:45	Fatima Mechta-Grigoriou & François-Clément Bidard & Anne Vincent-Salomon Institut Curie - FR	Welcome & Introduction to the course
10:45 11:15	Mathilde His IARC- FR	Breast cancer epidemiology
11:15 11:40	Anne Vincent-Salomon Institut Curie - FR	Breast cancer diagnosis in Pathology and innovations in AI
11:40 12:00	Students	Student work: self-presentation in 3 min (x5 students) + questions
12:00 13:30	LUNCH	
13:30 14:00	Caroline Malhaire & Irène Buvat Institut Curie - FR	Innovations in breast cancer imaging & radiomics
14:00 14:30	Youlia Kirova & Yolanda Prezado Institut Curie - FR	Innovations in breast cancer radiation oncology
14:30 14:50	Fabien Reyat Institut Curie - FR	Innovations in breast cancer surgery
14:50 15:20	Students	Student work: self-presentation in 3 min + questions
15:20 15:40	BREAK	
15:40 16:10	Suzette Delalogue Gustave Roussy - FR	Innovations in breast cancer systemic treatments (/not immunotherapy)
16:10 16:40	Emanuela Romano Institut Curie - FR	Innovations in breast cancer immunotherapy
16:40 17:10	Les Triplettes	Role of patients associations – the example of The Triplettes
17:10 17:30	Students	Student work: self-presentation in 3 min + questions

Tuesday, 4th of October

Day 2: Genomics of breast cancer and BRCAness		
9:00 9:30	Students	Student work: self-presentation in 3 min + questions
09:30 09:45	Dominique Stoppa-Lyonnet Institut Curie - FR	Hereditary breast cancer
09:45 10:00	Marc-Henri Stern Institut Curie - FR	BRCAness at the bench
10:00 10:15	Q&A	
10:15 10:30	BREAK	
10:30 11:30	Andrew Tutt ICR - UK	Clinical impact of BRCAness
11:30 12:00	Students	Student work: self-presentation in 3 min + questions
12:00 13:30	LUNCH	
13:30 14:30	Jorge Reis-Filho Memorial Sloan Kettering Cancer Center - USA	Molecular classification of breast cancer
14:30 15:30	Carlos Caldas Cancer Research UK Cambridge - UK	Mutational signatures: tracking the origins of breast cancer
15:30 15:45	BREAK	
15:45 16:30	Meriem Sefta Owkin - FR	AI & molecular diagnosis
16:30 18:00	POSTER SESSION # 1 / 2	

Wednesday, 5th of October

Day 3: Plasticity and Microenvironment

09:00 10:00	Silvia Fre Institut Curie - FR	Contribution of developmental biology to understand breast tumorigenesis
10:00 11:00	Alain Puisieux Institut Curie - FR	EMT and cellular pliancy
11:00 11:20	BREAK	
11:20 11:50	Céline Vallot Institut Curie - FR	Deciphering plasticity by single cell analysis
11:50 12:20	Raphaël Rodriguez Institut Curie - FR	Targeting cancer cell plasticity
12:20 13:30	LUNCH	
13:30 14:30	VISITE MUSEE CURIE	
14:30 15:15	Eliane Piaggio Institut Curie - FR	Role of lymphoid cells in breast cancer
15:15 16:00	Jeffrey Pollard MRC Centre for Reproductive Health - UK	Role of myeloid cells in breast cancer
16:00 16:15	BREAK	
16:15 17:00	Christos Sotiriou Institut Jules Bordet - BE	Cancer Associated Fibroblasts in breast cancer
17:00 18:00	Andy Rankin Amgen	Research in Pharma

Thursday, 6th of October

Day 4: Luminal B and lobular breast cancers / Impact of tumoral heterogeneity on treatment response

09:00 10:00	Christine Desmedt KU Leuven - BE	Biology of lobular breast cancer
10:00 11:00	Patrick Derksen UMC Utrecht - NL	Insight into the role of protein cell adhesion and breast carcinogenesis
11:00 11:15	BREAK	
11:15 12:00	Georgios Sflomos EPFL Lausanne - CH	Intraductal xenograft models of lobular carcinomas
12:00 12:30	Priscilla Kelly Senior Editor, Science	Publishing your paper
12:30 14:00	LUNCH	
14:00 14:45	Fabrice André Gustave Roussy - FR	Metastatic genomic heterogeneity and theranostic biomarkers
14:45 15:30	Kornelia Polyak Dana-Farber Cancer Institute - US	Tumoral heterogeneity and response to anti-HER2 treatment
15:30 15:45	BREAK	
15:45 16:30	Diether Lambrechts VIB - BE	Tumoral heterogeneity and response to immunotherapy
16:30 17:15	Guido Kroemer CRC - FR	Role of metabolims in breast carcinogenesis and therapeutical oportunites
17:15 18:30	POSTER SESSION # 2 / 2	
17:30 19:00	Cocktail	

Friday, 7th of October

Day 5: Experimental models and Innovation		
09:00 10:00	Jean-Philippe Vert Google brain & Mines ParisTech - FR	Machine learning and AI for precision medicine : opportunities and challenges
10:00 11:00	Jos Jonkers Netherlands Cancer Institute, Amsterdam - NL	Mouse models of breast cancer - KEYNOTE Séminaire Marie Curie
11:00 11:15	BREAK	
11:15 11:45	François-Clément Bidard Institut Curie - FR	Liquid biopsy in breast cancer
11:45 12:15	Laurence Zitvogel Gustave Roussy - FR	Role of microbiota in breast cancer
12:15 12:30	Fatima Mechta-Grigoriou & François-Clément Bidard & Anne Vincent-Salomon Institut Curie - FR	Closing Remarks / Best Poster Prize