

New concepts in immunology

Last name	First name	Title of poster	# poster
BLOT	Lauriane	Role of CLEC12B in skin immunity	P1-P1
HÉDELIN	Léna	Evo-immuno : exploiting insect biodiversity to identify innovative STING-dependent antiviral strategies	P1-P2
KESA	Gun	Multiplexed single cell analysis of antigen specific B cells using FluoroSpot	P1-P3
MAINGUY	Anthony	Calcium Signaling: involvement in B cell differentiation and functional fate	P1-P4
RODRIGUEZ	Lucie	Profiling early life immune-microbe interactions to determine vaccine and allergen response	P1-P5

High content imaging

Last name	First name	Title of poster	# poster
TULIC	Meri	Unraveling the Complexity of the Tissue Microenvironment in the Skin of Vitiligo Patients using High-Plex Spatial Imaging	S2-O6
GARAUD	Soizic	Dysregulation of B-cell homeostasis at the onset of immune checkpoint inhibitor toxicity in cancer patients	S2-O7
GONCALVES	Christophe	Highly Multiplexed Phenotyping of the Immune Tumor Microenvironment by CODEX Tissue Imaging	S2-O8
GLASSON	Yaël	A 31-plex panel for high-dimensional single cell analysis of murine preclinical models of solid tumors by imaging mass cytometry	S2-O9
ALFARO	Alexia	Assessment of spatial immune cells distribution in Medullary-like breast cancers and its association with breast cancer outcome	S2-P10
BUTTARD	Bénédicte	High-Plex Spatial Imaging to decipher Tissue Microenvironment Complexity: Skin disease model	S2-P11
DUBAN	Livine	Single cell protein secretion assay Using Nanovials and the Amnis® ImageStream®X MkII Imaging flow cytometer	S2-P12
GUYONNET	Lea	Cytometry on tissue: new insight inside a cytometrist brain	S2-P13
KIM-PÉNARD	Ha-Yeon	Advanced humanized immune system mouse models: An efficient pre-clinical mouse model to evaluate immune targeted therapies in cancer research	S2-P14

Osteoimmunology

Last name	First name	Title of poster	# poster
HALPER	Julia	Transcriptomic mapping of osteoclasts highlights PRRs in pathological osteoclastogenesis	S3-O15
GLATIGNY	Simon	Pathogenicity of IL-17 producing cells during Spondyloarthritis	S3-O16
HALPER	Julia	Osteo-immuno-metabolism: single cell phenotyping of murine osteoclasts uncovers their transcriptomic, metabolic and functional diversity	S3-P17

Innate lymphoid cells

Last name	First name	Title of poster	# poster
RIFFARD	Clémence	Acute and chronic inflammation of pulmonary tissue provokes an increase in LTI-like ILC3 that parallels TLS neogenesis	S4-O18
COËNON	Loïs	Non-genetically modified, CAR-like, NK cells	S4-O19
LAHIRE	Sarah	Contribution of elastin peptides to the regulation of innate lymphoid cells during Chronic Obstructive Pulmonary Disease	S4-P20

AFC / CytHem - Myeloma

Last name	First name	Title of poster	# poster
CHERRY	Mohamad	Myeloid lineage evaluation in patients with suspected myeloma	S5-O21
GARDENEY	Hélène	Innate T-cells in the multiple myeloma tumoral niche	S5-O22
CHEMLAL	Djamila	Cell-surface CD38 expression in response to EZH2i as therapeutic strategy for Anti-CD38 antibodies treatment in Multiple Myeloma	S5-P23
MANZONI	Delphine	Benefits of upgrading plasmocytary flow cytometry panel from 7 to 12 colors	S5-P24
MEDDOUR	Yanis	Contribution of Plasma Cell Immunophenotyping in Prognostic Stratification of Multiple Myeloma Patients	S5-P25
NASRADDINE	Sarah	Detection of plasma cells by flow cytometry and anti-CD38 therapy: interest of the anti-CD38 antibody FITC MultiEpitope (Dako®)	S5-P26

SFI Club: Mast Cells

Last name	First name	Title of poster	# poster
KAMPHUIS	Jasper	Impact of ageing on the severity of IgE-, Mrgprb2-, and histamine-mediated anaphylaxis in mice	S6-O27
LEVEQUE	Edouard	Human IgE cross-reacting with major peanut allergens induce mast cell degranulation and anaphylaxis	S6-P28
WORRALL	William	Anti-FcεRI antibody MAR-1 depletes basophils and cross-reacts with myeloid cells through its Fc portion	S6-P29

SFI Club: Neuroimmunology

Last name	First name	Title of poster	# poster
DÉCHELLE	Paul-Alexandre	Role of P2X7 receptor in mouse experimental autoimmune uveitis (EAU)	S7-P30
KARI	Saniya	Role of CD226 in a T cell regulatory pathway altered in MS	S7-P31
PERROT	Océane	MS patient lymphocytes induce chronic active demyelinating lesion in mouse spinal cord	S7-P32
ZUJOVIC	Violetta	Multiple sclerosis patient macrophages dysregulated functions correlate with an increased pro-inflammatory response and altered metabolic profile	S7-P33

SFI Club: Germinal Center

Last name	First name	Title of poster	# poster
PAIDASSI	Helena	Fine-tuning germinal centre B cell responses via $\alpha\beta8$ -mediated activation of TGF β	S8-O34
CHAPPERT	Pascal	Human anti-Smallpox long-lived memory B cells are defined by dynamic interactions in the splenic niche and long-lasting germinal center imprinting	S8-O35
AYMERICH	Nathan	Complement activation resolved to the individual antibody	S8-P36
AZARIAS DA SILVA	Marne	Low quantity and quality of anti-spike humoral response is linked to CD4 T-cell apoptosis in COVID-19 patients	S8-P37
BINET	Laurine	Integrative analysis of recent germinal center emigrant plasma cells and intermediate states of their differentiation	S8-P38
IGAMBERDIEVA	Zinaida	Function of the RANK-RANKL axis in the differentiation of B cell-associated mesenchymal stroma cells	S8-P39
JEGER-MADIOT	Raphaël	Development of a lymphoid organ-on-chip to evaluate CD4+ T cell/B cell interactions	S8-P40
LE BORGNE	Marie	Increased temperature improves the humoral response to vaccines	S8-P41
LE ROCHAIS	Marion	In-depth characterization and comparison of tertiary lymphoid structures in tumoral and inflammatory digestive tract tissue samples using imaging mass cytometry	S8-P42
VAINEAU	Romain	Role of interleukin-1 β in the regulation of T cell-mediated humoral responses	S8-P43

Core facility session: 'Standardisation: from tissue to sorted cells'

Last name	First name	Title of poster	# poster
MORAES CABÉ	Carolina	CB UTechS, Institut Pasteur: a successful model of core facility for integrated and project-tailored support for biomarker discovery in immunology	S9-O44
GUERIN	Coralie	Single-cell resolution tissue cytometry: a new multiplex spatial spectral approach	S9-O45
FRIES	Anissa	Cross platform Validation for Paroxysmal Nocturnal Hemoglobinuria Diagnosis	S9-P46
RAIMBAULT	Anna	Cocktails stability study for clinical flow cytometry	S9-P47

Myeloid cells

Last name	First name	Title of poster	# poster
CEBRIÁN	Ignacio	Dendritic cell phagosomes recruit GRASP55 for efficient transport of MHC molecules to the plasma membrane during exogenous antigen presentation	S10-O48
KOUMANTOU	Despoina	The p84/p110 _α complex of PI3K controls Fc _γ R-inducible and antibody-dependent cross-presentation in type 2 DCs and GM-CSF derived inflammatory DCs	S10-O49
SAL CARRO	Raquel	Epidermal maintenance of Langerhans cells relies on autophagy-regulated lipid metabolism	S10-O50
ABOU ATMEH	Perla	Macrophages response to SARS-CoV-2 variants infection	S10-P51
BRAGA-COHEN	Sarah	An in situ proliferating alveolar macrophage subpopulation involved in the development of pulmonary stereotactic lesions in mice?	S10-P52
DAOUDLARIAN	Douglas	Macrophages release extracellular traps upon stimulation with Monosodium urate or Calcium pyrophosphate crystals independently of NLRP3 inflammasome.	S10-P53
DECKER	Patrice	Neutrophil extracellular traps trigger an enhanced pro-inflammatory response in macrophage subpopulations in rheumatoid arthritis patients via the AhR pathway	S10-P54
DELEPINE	Chloé	Role of interleukin-34 in pancreatic physiology	S10-P55
DOCQ	Molène	Glucocorticoid-dependent axis orchestrates dendritic cell migration in vivo	S10-P56
MONDEMÉ	Mélanie	Amoxicillin treatment of respiratory pneumonia impacts emergency granulopoiesis	S10-P57
NUGUE	Mathilde	FcγRIIb and autophagy in myeloid cells	S10-P58
PANOUILLOT	Marylou	Identification of molecular targets for the recovery of tumor associated macrophages after chemotherapy in NSCLC patients	S10-P59
PETTI	Luciana	Autofluorescence identifies highly phagocytic tissue-resident macrophages in mouse and human skin and cutaneous squamous cell carcinoma	S10-P60
POTTEAUX	Stephane	Mild dyslipidemia accelerates tumorigenesis through expansion of Ly6Chi monocytes and differentiation to pro-angiogenic myeloid cells	S10-P61
TOUTIRAIS	Olivier	Tissue-plasminogen activator alters the phenotype of splenic mononuclear phagocyte cells in acute inflammation	S10-P62

Host/pathogen Interactions

Last name	First name	Title of poster	# poster
JARDINE	Jane	The counterposing roles played by CK1a fine-tune the cGAS-STING pathway	S11-O63
VOISIN	Benjamin	An innervated and immunocompetent human skin model to study arboviral cutaneous infection	S11-O64
MARTIN	Emmanuel	Dual role of IL-27 in immunity to Epstein-Barr virus infection revealed by IL27RA deficiency	S11-O65
BORN-BONY	Maëlys	Lung Pseudomonas aeruginosa infection modulates myeloid-derived suppressor cells (MDSC) function	S11-P66
BOURLON	Louis	Vectorization of M2e peptide by lipid nanoparticles for universal flu vaccine	S11-P67
HERTEL	Quentin	Calcium-dependent restriction of HIV-1 reverse transcription by alarmin S100A9 in myeloid cells	S11-P68

KULAKOWSKI	Guillaume	Development of a transient immune-modulatory regimen to hamper the immune response induced by lentiviral-based gene therapy	S11-P69
LEMOINE	Roxane	High-Throughput isolation of human immunoglobulin sequences and in silico approach for the production of monoclonal antibodies: proof of concept with SARS-CoV-2	S11-P70
MIGUELENA CHAMORRO	Beatriz	Mucosal administration of live attenuated B. bronchiseptica strain induces mucosal and systemic immune responses and limits colonization in Wistar Rats	S11-P71
MORIS	Arnaud	The Autophagy Receptor TAX1BP1 (T6BP) improves antigen presentation by MHC-II molecules	S11-P72
NAVARRE	Jeanne	Pathogenic role of MAIT cells in Coxsackievirus B4-induced diabetes	S11-P73
OYEGUE LIABAGUI	Sandrine Lydie	Cytokine response in asymptomatic and symptomatic Plasmodium falciparum infections in children in a rural area of south-eastern Gabon	S11-P74
PLAZY	Caroline	Immuno-Metabolite discovery: study of the modulation of immunity by Pseudomonas aeruginosa (Pa) during chronic infection of Cystic Fibrosis (CF) patients	S11-P75
TESSANDIER	Nicolas	Viral and immune kinetics of non-persistent HPV genital infections in young adult women	S11-P76
YAUGEL NOVOA	Melyssa	Deciphering the pathophysiological role of systemic humoral immune response in COVID-19	S11-P77

AFC / CytHem - AML & MDS

Last name	First name	Title of poster	# poster
HALLAL	Rawan	Targeting the SUMO pathway activates Natural Killer cells and enhances their anti-tumoral activity in Acute myeloid leukemia	S12-O78
MATTHES	Thomas	In-depth analysis of CD34pos hematopoietic stem and precursor cell (HSPC) subpopulations by flow cytometry using a single 20-color panel	S12-O79
AANEI	Carmen-Mariana	High-dimensional mass cytometry analysis of the leukemic cells and of their signaling pathways in AML	S12-O80
MAATAMRI	Wided	Blastic Plasmacytoid Dendritic Cell neoplasm with Atypical Immunophenotype: A Case Presentation	S12-P81
		Place of flow cytometry in the diagnosis of myelodysplastic syndromes on a blood sample	S12-P82
RASKOVALOVA	Tatiana	Comparative study between simplified and original gating strategies for neutrophil myeloperoxidase expression in ruling out myelodysplastic syndromes	S12-P83

AFC / SFM - Microbiology

Last name	First name	Title of poster	# poster
VELLY	Laetitia	Optimal combination of early biomarkers for infection and sepsis diagnosis in the emergency department: The BIPS study	S13-O84
TRUNET	Clément	Rapid flow cytometry methodology for airborne fungal conidia enumeration	S13-O85
SERVAIN-VIEL	Sophie	Flow Cytometry Method for Safe Detection of Bacterial Viability	S13-O86

AFC / CytHem - New cytometers, new panels, new regulation

Last name	First name	Title of poster	# poster
VOIRIN-MATHIEU	Nicolas	Performance analysis of new 10-color cytometer: XF-1600® Sysmex	S14-O87
LE GARFF-TAVERNIER	Magali	Phenotypic profile of Waldenström Macroglobulinemia B cells: from determination of a diagnostic score to development of a 12-color flow cytometry panel	S14-O88
VAN LOO	Stephanie	All-integrated droplet microfluidics station for high-throughput single cell screening and sorting	S14-P89

Data analysis

Last name	First name	Title of poster	# poster
SCHOLAERT	Manon	MANTIS: an integrated digital process for 3-D deconstruction of human skin immune landscape	S15-O90
SCUILLER	Yvonne	In-depth analysis of salivary gland biopsies: Development of new tools using Hyperion mass cytometry to accurately determine Sjögren's severity status.	S15-O91
BLAMPEY	Quentin	Scyan: an interpretable generative model for multi-task cytometry analysis	S15-O92
NOURIKYAN	Julien	Robust Identification of biomarkers through a clustering approach guided by patient outcomes: application in B-cell ALL, melanoma and rheumatoid arthritis	S15-O93
ABRAHAM	Yann	Data-driven identification of cell states in cytometry experiments	S15-O94
CHIPONT	Anna	Strategic identification of conjugates between functionalized lipid droplet and B cell to assess cellular polarity at the immune synapse by imaging cytometry	S15-P95
PETIT	Maxime	Analytic pipeline is a key step for high multiplex image mass cytometry data	S15-P96

Transplant immunology

Last name	First name	Title of poster	# poster
SALEM	Nassim	Combined CAR-NK and CARgd T cells promote the killing of leukemic blasts	S16-O97
CANTI	Lorenzo	Integrative Approach in the Context of BNT162b2 mRNA Covid-19 Vaccine in Allo-HCT Patients: System Vaccinology	S16-O98
COURTOIS	Justine	Xenogeneic graft-versus-host disease in humanized NSG and NSG-IL15 mice	S16-P99

Environmental control of myeloid cells

Last name	First name	Title of poster	# poster
DOLFI	Bastien	Decipher the diversity and function of adrenal gland macrophages	S17-O100
SALEH	Maya	Single cell and spatial transcriptomics unravel TREM1+CD163+ myeloid cells as potent immunosuppressive cells associated with poor survival in human liver cancer	S17-O101
BROGGI	Achille	Type III interferons induce pyroptosis in gut epithelial cells and delay tissue restitution upon acute intestinal injury	S17-P102
FOURNIER	Carole	Effect of a vectorized mRNA-based vaccine on the antitumor immune response in a mouse model of melanoma and lymphoma	S17-P103
GORVEL	Laurent	Myeloid cells contribute to Tertiary Lymphoid Structure driven anti-tumor immunity and represent valuable immunotherapy targets in cervical cancer.	S17-P104
JACQUEL	Arnaud	Reprogramming immunosuppressive monocyte-derived macrophages through cathepsin B and caspases inhibition	S17-P105
LAVANANT	Alice	CD169+ macrophages in lymph node and spleen critically depend on dual RANK and LTβR signaling	S17-P106
SALEH	Maya	The inflammasome drives glioblastoma post-resection immune remodeling and tumor recurrence	S17-P107

AFC / CytHem: T- and NK- cell lymphoma

Last name	First name	Title of poster	# poster
LETESTU	Rémi	Etude de l'expression de TRBC1 par CMF comme marqueur de substitution de la clonalité lymphoïde T : une évaluation monocentrique de l'anticorps JOVI-1	S18-O108
MAATAMRI	Wided	Immunophenotypic analysis of mature lymphoid neoplasia by flow cytometry	S18-P109

High content cytometry

Last name	First name	Title of poster	# poster
MOLENDI-COSTE	Olivier	A CyTOF atlas of human cardiac immunity	S19-O110
DOTT	Tom	High-dimensional spectral cytometry panels for whole blood immune phenotyping in the Milieu Interieur 10-year longitudinal study	S19-O111
BEN AMARA	Amira	High throughput mass cytometry staining for deep phenotyping of human Natural Killer cells	S19-P112
SCHMUTZ	Sandrine	Beyond 40 colors at once for deep phenotyping of T cell subpopulations using spectral technology	S19-P113

Microbiota

Last name	First name	Title of poster	# poster
BERTRAND	Léo	Microbiota in type 1 diabetes induces circulatory and intestinal MAIT cell dysfunction and increases liver and pancreas pro-inflammatory immune landscapes.	S20-O114
BRITO RODRIGUES	Patrícia	SARS-CoV-2 gamma variant induces microbiota changes and impairs intestinal epithelium tight junctions in mice	S20-O115
VILLETTE	Rémy	Secretory IgA and gut microbiota at birth influence allergic clinical outcome.	S20-O116

Young scientists

Last name	First name	Title of poster	# poster
NOGUEROL	Julie	H3K9me3-dependent epigenetic pathways control CD4 T cell responses to Treg-mediated suppression	P21-O117
SANTINON	François	Identification of p-eIF4E as a new regulator of regulatory T-cell activity	P21-O118
PIGNATA	Aurora	Investigating the role of Tissue-resident memory T cells in chronic CNS autoimmune disease	P21-O119
GOSSEZ-COULAUD	Morgane	Regulatory plasma cells are induced after bacterial and SARS-CoV-2 sepsis and inhibit T cell function through increased PD-L1 expression	P21-O120

Core facility session: 'Analysis of microparticules'

Last name	First name	Title of poster	# poster
BAHRI	Alia	Environmental stress control RNA granule formation and content in C.elegans	S22-O121

Immunometabolism

Last name	First name	Title of poster	# poster
L'HOMME	Laurent	Macrophage infiltration and hepatocyte stress regulate GDF-15 in obesity, type 2 diabetes and NASH	S23-O122
MONNIER	Marine	Impact of the ketone body acetoacetate on the functional polarization of human macrophages	S23-O123
GARCIA GONZALEZ	Paulina	Single-cell profiling of metabolic states coupled to epigenetic heterogeneity in immune cells	S23-O124
FRUCHET	Blandine	Role of MAIT cells in metabolic tissues during obesity	S23-P125
LAVIGNOLLE-HEGUY	Rosario	Epic-SCENITH: studying the interplay between functional metabolism and epigenetics by flow cytometry	S23-P126

Omics analysis

Last name	First name	Title of poster	# poster
FOULQUIER	Nathan	Machine Learning for the Identification of a Common Signature for Anti-SSA/Ro 60 Antibody Expression Across Autoimmune Diseases	S24-O127
IPERI	Cristian	Role of metabolism in the dysfunction of B lymphocytes in Systemic Lupus Erythematosus	S24-O128
DUBOIS	Johanna	Dynamics of immune cells during low-dose interleukin-2 treatment in healthy volunteers	S24-P129
GIRAUDET	Rémi	Implementing HLA binding heatmap to remove CD4 T cell epitopes in therapeutic antibodies to mitigate their immunogenicity	S24-P130

Transplantation : Nouvelles immunothérapies

Last name	First name	Title of poster	# poster
RENAUDINEAU	Yves	The oxygen carrier M101 alleviates complement activation, which may be beneficial for donor organ preservation	S25-O131
LEBRAUD	Emilie	Gaining insights into the origin and pathophysiological effects of non-HLA antibodies using a newly developed universal endothelial crossmatch assay	S25-O132
BLEIN	Tifanie	Use of TCR-deficient CAR-Tregs in combination with anti-CD3 monoclonal antibodies for inducing durable tolerance	S25-O133

Oceanobiology

Last name	First name	Title of poster	# poster
BILLAUD	Mélanie	Cell type identification in the different tissues of <i>Exaiptasia pallida</i> during <i>Vibrio parahaemolyticus</i> infection by histology and spectral cytometry techniques	S26-O134

Immune Ageing

Last name	First name	Title of poster	# poster
SANTAMARIA	Jérémy	RANKL-mediated thymic rejuvenation improves peripheral immunity during aging	S27-O135
COBANOGU	Özmen	Targeting senescent cells for improving immune responses to vaccination in aged mice	S27-O136
CHAUVIN	Manon	How inflammatory status impacts clinical outcomes post hip fracture in elderly patients	S27-P137
GUBLER	Brigitte	Immune ageing and SAR-CoV-2 response	S27-P138
SILVA ANGULO	Fabiola	Disturbed circadian rhythm contributes to increased susceptibility to pneumococcal infection in aged mice	S27-P139

Cancer immunology

Last name	First name	Title of poster	# poster
BERNARD	Pierre-Louis	Targeting CISH enhances natural cytotoxicity receptor signaling and reduces NK cell exhaustion to improve solid tumor immunity	S28-O140
LE BOURHIS	Lionel	Autologous T cell responses to primary human colorectal cancer spheroids are enhanced by ectonucleotidase inhibition	S28-O141
ARIBI	Mourad	Cell stagnation results in impaired function of natural killer cells from solid tumors, and effects of interplay with red blood cells	S28-P142
AUBERT	Nicolas	ICOSLG promotes tumor growth, regulatory T cells and M2 macrophages in a model of triple-negative breast cancer in humanized mice	S28-P143
BARBARIN	Alice	Innate cells of patients with CML at diagnosis display impaired expression of cytotoxic markers, transcription factors and defective effector/memory signatures	S28-P145
BOUCHER	Emilie	Intestinal $\gamma\delta$ T cells are required for inulin-mediated anti-tumor immunity	S28-P146

BROQUET	Alexis	Trained resident macrophages decrease lung cancer growth by inducing the residency of CXCR6 g6d T cells after sepsis	S28-P147
DONDI	Elisabetta	Nurse-like cells, via an alternative production of CCL21, sequester B cells in chronic lymphocytic leukemia disorganized lymph nodes	S28-P148
FASTENACKELS	Solène	Regulatory T cells infiltrate the tumor-induced tertiary lymphoid structures and impose poor clinical outcome of patients with lung cancer	S28-P149
GEINDREAU	Mannon	Role of immune cells in the anti-tumor response following an immune checkpoint inhibitors and anti-angiogenic combination therapy	S28-P150
GUBLER	Brigitte	Identification of predictive biomarkers for Immune-Related Adverse Events under Immune CheckPoint Inhibitors: First results on immune cells analysis	S28-P151
HAMPE	Léa	Dual PD-L1 and TIGIT immunotherapy could promote a cytotoxic intratumor immune response in MSS colorectal cancer	S28-P152
HOUËL	Ana	Chemokines arming of an oncolytic vaccinia virus to induce Tertiary Lymphoid Structures (TLS) in the tumor microenvironment	S28-P153
KALFEIST	Laura	Sensitization to chemo-immunotherapy by targeting TGF- β in preclinical triple negative breast cancer models	S28-P154
		Identification of novel CXCL9/10-inducing chemotherapy/targeted therapy combinations for immunotherapy sensitization of triple negative breast tumors	S28-P155
KONG	Wan Ting	Unravelling DC subsets and states across human healthy and malignant tissues	S28-P156
LAJOIE	Laurie	New immunotherapeutic approach against melanoma metastases using the protozoa Neospora caninum	S28-P157
LATOUR	Charlène	Development of a 43-colors phenotypic analysis of the tumor microenvironment in mouse tumor by spectral flow cytometry	S28-P158
LEREVEREND	Cedric	Galectin-9 overexpression after radiotherapy as a therapeutic target in triple negative breast cancer	S28-P159
MACEK JILKOVA	Zuzana	PD1 and TIM3 expression as predictor of early HCC recurrence after percutaneous thermal ablation	S28-P160
MICHAUD	Henri-Alexandre	CD73+ $\gamma\delta$ -T: function and social network in the tumor microenvironment	S28-P161
MROWEH	Mariam	Targeting Protein Kinase B (Akt) in Hepatocellular Carcinoma and its Immune Tumor Microenvironment by RNA Interference	S28-P162
OLVER	Christine	Tertiary Lymphoid Structures in Canine Sarcoma: Potential Animal Model of Human Disease	S28-P163
PEREIRA ABRANTES	Manuela	Deciphering the single-cell transcriptomic atlas of tissue-associated neutrophils across human colorectal carcinogenesis	S28-P164
PERRICHET	Anaïs	Targeting interleukin-1 β to improve chemoimmunotherapy in lung cancer	S28-P165
SAKREF	Candice	Type III Interferons primes pDC for TLR7 activation and unleash pDC function in tumors	S28-P166
SERADJ	Malvina	IL411 expressing cells in melanoma	S28-P167
TAYOU FOTSO	Christian	Mathematical modeling of tumor growth and its interaction with immune cells	S28-P168
VANONI	Giulia	Immunological profiling of combining Nivolumab with chemoradiotherapy for locally advanced cervical cancer: NiCOL phase I trial	S28-P169
VILLALBA	Martin	Use of Natural killers as early reporters of blood cancers – novel insights for diagnostic and theragnostic tools	S28-P170

Auto-immunité, allergies et environnement

Last name	First name	Title of poster	# poster
TARAYRAH	Mahmoud	Smad7 dictates T-cell resistance to TGF- β and development of type 1 diabetes	S29-O171
TEISSEYRE	Maxime	Impact of Pollution on the Pathophysiology of Membranous Nephropathy	S29-O172
LALEVÉE	Sophie	IL-33 : amplifying cytotoxicity in epidermal necrolysis ?	S29-O173
ALLOUCHE	Jonathan	Air pollution exposure induces a decrease in type II interferon response: a paired cohort study	S29-P174

BETTACCHIOLI	Eléonore	What does isolated anti-Ro52 antibody positivity mean in Sjögren's syndrome?	S29-P175
BOUDIGOU	Marina	Unravelling of regulatory B-cell heterogeneity and dynamics of generation in humans through single-cell approaches	S29-P176
CIUDAD	Marion	Autoimmune hemolytic anemia is associated with Th17 polarization, regulatory T cell dysfunctions and TNF- α increase	S29-P177
CLAVARINO	Giovanna	Elevated serum levels of IFN-Inducible Protein 10 as a biomarker for active systemic lupus erythematosus	S29-P178
CORNEAU	Aurelien	VEXAS syndrome is characterized by blood and tissues inflammasome pathway activation and monocyte dysregulation	S29-P179
DOUTÉ	Mérodie	Thrombopoietin-dependent myelo-megakaryopoiesis fuels chronic microvascular thrombo-inflammation and fibrosis in antibody-mediated kidney disease.	S29-P180
		Human CD32A triggers thrombo-inflammation and worsens Immune complex-induced glomerulonephritis in humanized Fc gamma Receptors transgenic mice	S29-P181
DUMESTRE-PÉRARD	Chantal	Autoantibodies targeting C1s in systemic lupus erythematosus: prevalence in patients with active lupus nephritis	S29-P182
HEMERY	Edouard	Decrease in non-classical monocytes in Myasthenia Gravis patients	S29-P183
KOLOPP SARDA	Marie-Nathalie	Cryoglobulins and Cryofibrinogens : characteristics and association	S29-P184
KOLOU	Maléwé	Autoimmune profile of patients with chronic inflammatory rheumatism in Togo	S29-P185
LAMBOUR	Jennifer	Generation of immortalized human B cells producing anti-citrullinated protein antibodies: innovative tools to design targeted therapies for rheumatoid arthritis	S29-P186
MOREL	Marie	B cell glycosylation in primary Sjögren's syndrome: a new potential treatment strategy	S29-P187
PUISSANT-LUBRANO	Bénédicte	Kappa index as a tool in the diagnosis of multiple sclerosis: experience of a tertiary hospital laboratory	S29-P188
VUILLIER	Sylvia	Neonatal Tregs from Non-Obese Diabetic mice highly express the immune-checkpoint PD-1 in a PI3Kdelta-dependent manner	S29-P189
WAECKEL	Louis	Monitoring of Janus kinase inhibitors by whole blood flow cytometry: a preliminary study	S29-P190

T cells

Last name	First name	Title of poster	# poster
RONCAGALLI	Romain	Analysis of the molecular mechanisms encoding TCR ligand discrimination	S30-O191
PEROCESCHI	Romain	The transcription factor Eomes controls regulatory T cell suppressive functions and plasticity	S30-O192
BARSAC	Emilie	MAIT cells in Streptococcus pneumoniae pneumonia: Activation, functions and therapeutic opportunities ?	S30-O193
BARASCUD	Rébecca	Maternal prenatal stress influences the susceptibility of adult offspring to central nervous system inflammation	S30-P194
BERTRAND	Lisa	Defining the transcriptome of HIV-1 to identify novel conserved T-cell antigens	S30-P195
BESSIS	Natacha	Altered Treg stability during chronic inflammation in patients with rheumatoid arthritis and spondyloarthritis	S30-P196
CAILLENS	Vivien	Characterization of the T-cell receptor (TCR) signaling platform	S30-P197
CORRAL	Dan	Mammary Intra-Epithelial Lymphocytes Regulate Mammary Gland Development and Lactogenesis	S30-P198
COULIBALY	Aboubacar S.K	Role of the transcriptional regulator Msc in peripheral CD8 T cell differentiation during Toxoplasma gondii infection	S30-P199
DIAZ-MUNOZ	Manuel	Post-transcriptional RNA regulation supports the transcriptional program enforcing T cell quiescence	S30-P200
GAUTREAU-ROLLAND	Laetitia	Role of Syk protein kinase in the reactivity of conventional and non-conventional T cells	S30-P201

HAMOUDI	Sarah	Autologous mucosal T lymphocytes regulate intestinal epithelial cell organoid differentiation and cell death in ileal Crohn's disease	S30-P202
LAUTRAITE	Raphaelle	NF- κ B transcription factors RelA and c-Rel selectively control CD4+ T cell function in autoimmunity and cancer	S30-P203
LE GOUGE	Kenz	T-cell repertoire as a potential biomarker in myocardial infarction	S30-P204
LHOMME	Gautier	NGS of TCR specific for immunodominant Viral CD4 T cell epitopes reveal similar distribution of clonotypes across the donors but preponderant private repertoire	S30-P205
MASSON	Frederic	Id2 level controls the balance between effector and exhausted brain CD8+ Trm cells during latent <i>Toxoplasma gondii</i> infection	S30-P206
MELIQUE	Suzanne	THEMIS promotes thymocyte positive selection and CD8+ T cell homeostasis by repressing the immune checkpoint BTLA	S30-P207
NGUEMA	Laury	CD40.SARS.CoV2 but not mRNA BNT162b2 vaccine stimulates selective enrichment in Spike- and Nucleocapsid-specific CD8+ stem cell-like memory T cells	S30-P208
PORCHEDDU	Valeria	FVIII CD4-T cell response in healthy reveals comparable repertoire distribution to Ovalbumin and is elicited for its majority by 18 immuno-dominant epitopes	S30-P209
VICENTE	Rita	Immunophenotyping on frozen PBMC to facilitate clinical trials	S30-P210
ZARNITZKY	Pauline	The turnkey solution to study the IEL-epithelium cross talk in human	S30-P211

Analyses multiparamétriques de l'immunité antitumorale et anti-infectieuse

Last name	First name	Title of poster	# poster
PETTI	Luciana	The TNC extracellular matrix protein modulates spatial distribution and phenotypes of tumor-associated myeloid cell populations in oral squamous cell carcinoma	S31-O212
CAPRON	Claude	Combined coagulation and inflammation markers as predictors of death and venous thrombo-embolism in COVID-19	S31-O213
FORMENTO	Rémy	Impact of PD-1/PD-L1 axis expression on the prognosis of patients with DLBCL diagnosis	S31-P214

Posters Prize

Last name	First name	Title of poster	# poster
ALFARO	Alexia	Assessment of spatial immune cells distribution in Medullary-like breast cancers and its association with breast cancer outcome	S2-P10
AYMERICH	Nathan	Complement activation resolved to the individual antibody	S8-P36
BERTRAND	Léo	Microbiota in type 1 diabetes induces circulatory and intestinal MAIT cell dysfunction and increases liver and pancreas pro-inflammatory immune landscapes.	S20-O114
BESSIS	Natacha	Altered Treg stability during chronic inflammation in patients with rheumatoid arthritis and spondyloarthritis	S30-P196
BLAMPEY	Quentin	Scyan: an interpretable generative model for multi-task cytometry analysis	S15-O92
BLOT	Lauriane	Role of CLEC12B in skin immunity	P1-P1
COBANOGU	Özmen	Targeting senescent cells for improving immune responses to vaccination in aged mice	S27-O136
CORNEAU	Aurelien	VEXAS syndrome is characterized by blood and tissues inflammasome pathway activation and monocyte dysregulation	S29-P179
CORRAL	Dan	Mammary Intra-Epithelial Lymphocytes Regulate Mammary Gland Development and Lactogenesis	S30-P198
COURTOIS	Justine	Xenogeneic graft-versus-host disease in humanized NSG and NSG-IL15 mice	S16-P99
DOCQ	Molène	Glucocorticoid-dependent axis orchestrates dendritic cell migration in vivo	S10-P56
DOTT	Tom	High-dimensional spectral cytometry panels for whole blood immune phenotyping in the Milieu Interieur 10-year longitudinal study	S19-O111
FOULQUIER	Nathan	Machine Learning for the Identification of a Common Signature for Anti-SSA/Ro 60 Antibody Expression Across Autoimmune Diseases	S24-O127

GARCIA GONZALEZ	Paulina	Single-cell profiling of metabolic states coupled to epigenetic heterogeneity in immune cells	S23-O124
JARDINE	Jane	The counterposing roles played by CK1a fine-tune the cGAS-STING pathway	S11-O63
LAMBOUR	Jennifer	Generation of immortalized human B cells producing anti-citrullinated protein antibodies: innovative tools to design targeted therapies for rheumatoid arthritis	S29-P186
LATOUR	Charlène	Development of a 43-colors phenotypic analysis of the tumor microenvironment in mouse tumor by spectral flow cytometry	S28-P158
LAVANANT	Alice	CD169+ macrophages in lymph node and spleen critically depend on dual RANK and LT β R signaling	S17-P106
LE GOUGE	Kenz	T-cell repertoire as a potential biomarker in myocardial infarction	S30-P204
LE ROCHAIS	Marion	In-depth characterization and comparison of tertiary lymphoid structures in tumoral and inflammatory digestive tract tissue samples using imaging mass cytometry	S8-P42
MONNIER	Marine	Impact of the ketone body acetoacetate on the functional polarization of human macrophages	S23-O123
PETTI	Luciana	Autofluorescence identifies highly phagocytic tissue-resident macrophages in mouse and human skin and cutaneous squamous cell carcinoma	S10-P60
PIGNATA	Aurora	Investigating the role of Tissue-resident memory T cells in chronic CNS autoimmune disease	P21-O119
RODRIGUEZ	Lucie	Profiling early life immune-microbe interactions to determine vaccine and allergen response	P1-P5
SAKREF	Candice	Type III Interferons primes pDC for TLR7 activation and unleash pDC function in tumors	S28-P166
SAL CARRO	Raquel	Epidermal maintenance of Langerhans cells relies on autophagy-regulated lipid metabolism	S10-O50
SALEM	Nassim	Combined CAR-NK and CARgd T cells promote the killing of leukemic blasts	S16-O97
SERADJ	Malvina	IL4I1 expressing cells in melanoma	S28-P167
TAYOU FOTSO	Christian	Mathematical modeling of tumor growth and its interaction with immune cells	S28-P168
ZARNITZKY	Pauline	The turnkey solution to study the IEL-epithelium cross talk in human	S30-P211