SCIENTIFIC ADVISORY BOARD & LabEx IGO days 2022
May 16th & 17th, 2022
IRS-UN, Amphithéâtre Denis Escande, 8 Quai Moncousu, 44000 Nantes

DAY 1: May, 16th		
10:00		*Welcome coffee*
10:30		**General presentation of LabEx IGO and its activities, discussion with the SAB members**
11:30		**Presentation of the research equipment supported by LabEx IGO:** ▪ PhenoCycler & Micropicell platform - Aurélie Doméné, CRCI2NA-U1307, Team 12 ▪ Hyperion platform - Pierre Pochard, LBAI-U1227
12:30		*Lunch*
		Internal call awarded projects:
13:45	**2018**	**Tracking auto-reactive CD4 T cells in autoimmune diseases** – Amédée Renand , CR2TI-U1064, Team 4
14:05		**Functional role of peptides derived from meloe long non coding RNA in melanoma** – Catherine Rabu, INCIT-U1302, Team 3
14:25		**Tracking B cell differentiation in multiple sclerosis: from the blood to the CNS** – Laure Michel, MOBIDIC-U1236, Team 2 – Presented by Stéphane Rodriguez, MOBIDIC-U1236, Team 2 & Laureline Berthelot, CR2TI-U1064, Team 5
14:45		**Selected talks - Session 1 - Myeloid cells and Immunoregulation** Chaired by Richard Danger, CR2TI-U1064,Team 4 & Thomas Laurent, CR2TI-U1064, Team 1 ▪ **Lung immune microenvironment adapts to infection by tuning the alveolar macrophage niche** - Florian Pierre MARTIN, CR2TI-U1064, Team 6 ▪ **Epigenetic reprogramming of macrophages upon exposure to Mycobacterium ligand** - Maissa Goumeidane, CR2TI-U1064, Team 2 ▪ **Role of sirpa in post-septic pulmonary immunity** - Valeria Chahwan, CR2TI-U1064, Team 6 ▪ **Single-cell analysis of Mononuclear phagocytes heterogeneity in Crohn's disease,** Thomas Laurent - CR2TI-U1064,Team 1
15:25		*Coffee Break*
15:40		**Selected talks - Session 2 - New strategies in immunotherapy** Chaired by Nathalie Labarrière, INCIT-U1302, Team 3 ▪ **Immunological variables associated to immune checkpoint inhibitor toxicity in cancer patients** - Soizic Garaud, LBAI-U1227 ▪ **Tumor cells infected by an oncolytic virus activate gamma-delta t cells** - Morgane Fouet, CRCI2NA-U1307, Team 1 ▪ **Characterization of tumor extracellular vesicles produced during oncolytic infection** - Ugo Hirigoyen, CRCI2NA-U1307, Team 1 ▪ **Machine learning identifies a common signature for anti-SSA/Ro60 antibody expression across autoimmune diseases** - Nathan Foulquier, LBAI-U1227 ▪ **Elucidating the genetic architecture of Neuromyelitis Optica disease using Genome wide association approach** - Irène Charles, CR2TI-U1064, Team 5
16:30		*End of the day*

		DAY 2: May, 17th
		Internal call awarded projects:
9:00	**2020**	**Role of lactic acid in the tumor escape** - Aurélie Moreau, CR2TI-U1064, Team 1; Yves Delneste & Pascale Jeannin, CRCI2NA-U1307, Team 4
9:30		**Next generation IL-34 and application in diseases** - Carole Guillonneau & Ignacio Anegon, CR2TI-U1064, Team 2 – Presented by Noémie Joalland and Apolline Salama, CR2TI-U1064, Team 2
10:00		**B cell functional heterogeneity in both protective and pathogenic immune responses : towards a better understanding of regulatory B cell subsets ontogeny and dynamics** Sophie Hillion, LBAI-U1227 ; Sophie Brouard, CR2TI-U1064,Team 4; Céline Delaloy, MOBIDIC-U1236, Team 1
10:30		*Coffee Break*
10:45		**Selected talks - Session 3 - T cells and immunoregulation** Chaired by Arnaud Nicot, CR2TI-U1064, Team 5 and Nathan Foulquier, LBAI-U1227 ▪ **Targeting NKG2A to boost anti-tumor CD8 T-cell responses in human colorectal cancer** - Kathleen Ducoin, INCIT-U1302, Team 3 ▪ **Impact of PD-1 and/or TIGIT deletion in melanoma-specific CD8+ T lymphocytes** - Gwenann Cadiou, INCIT-U1302, Team 3 ▪ **CD4 PD-1+ T cell diversity in autoimmune hepatitis** - Pierre Gavlovsky, CR2TI-U1064, Team 4 - Presented by Amédée Renand , CR2TI-U1064, Team 4 ▪ **A new murine model to investigate the cellular and molecular profile of emerging liver-restricted antigen-specific CD4+ T cells** - Thomas Guinebretière, CR2TI-U1064, Team 4 ▪ **Clinical grade CD8+T regulatory cells moving forward in human transplantation -** Séverine Bézié, CR2TI-U1064, Team 2 ▪ **Expression of TNFR2 and CD29 define a highly suppressive subset of human CD8+ T regulatory cells** - Céline Sérazin, CR2TI-U1064, Team 2
12:00		*Lunch*
		Young investigator awarded projects :
13:30	**2020**	▪ **Tissue-residency programming of lymphocytes** - Christelle Harly, CRCI2NA-U1307, Team 12 ▪ **Artificial intelligence algorithms to predict donor specific antibody development in kidney transplanted patients (KiT-DSApredict)** - Nicolas Vince (video), CR2TI-U1064, Team 3
14:00	**2021**	▪ **STAT1 is a putative therapeutic target in Waldenström disease** - Alexis Grasseau, MOBIDIC-U1236, Team 1 ▪ **Imaging mass cytometry for the identification of disease-defining BOB.1-expressing T- and B-cell subsets in Chronic Lung Allograft Dysfunction** - Nataliya Yeremenko, CR2TI-U1064, Team 4
14:30	**2022**	▪ **Assessment of enhancer RNA relevance in chronic kidney graft rejection** - Martin Morin, CR2TI-U1064, Team 3 ▪ **Long non-coding RNAs in B cell differentiation: from fundamental to translational** - Jocelyn Plassais, MOBIDIC-U1236, Team 1 ▪ **Multi-cellular spheroid as a new in vitro system to study tumor endothelial cell heterogeneity** - Lucas Treps, CRCI2NA-U1307, Team 1
15:00		**Discussion between the SAB members & the steering committee**
15:45		**Closing remarks**
16:00		*End of the meeting*

SAB MEMBERS

Marc BONNEVILLE, Institut Mérieux, Lyon, France
Paolo DELLABONA, San Raffaele Scientific Institute, Experimental Immunology Unit, Milano, Italy
Renato MONTEIRO, Paris Diderot University, Center for Research on Inflammation, Paris, France
Barbara SELIGER, Martin Luther University, Institute of Medical Immunology, Halle-Wittenberg, Germany
Megan SYKES, Columbia University, Columbia Center for Translational Immunology, New York, USA
Hans Dieter VOLK, Charité, Institute of Medical Immunology, Berlin, Germany