



Eliane Piaggio PhD, Team Leader, DR2 INSERM

TEAM PIAGGIO

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Dr. E. Piaggio obtained the diploma of clinical biologist and the PhD in Immunology at the National University of Rosario, Argentine. Then, she moved to France, where she did her post-doctoral studies and actually is a research director of the INSERM. She directs the "Translational Immunotherapy team" in the INSERM Unit 932: "Immunity and Cancer", at the Institut Curie, in Paris. Her career has been focused on regulatory T-cell based immunotherapy of infectious diseases (Chagas' disease), autoimmunity (mainly type 1 diabetes and multiple sclerosis/EAE), alloreactivity (GVHD and transplantation) and more recently, in cancer. Her team is interested in the study of human tumor-draining LNs and in the development of novel immunotherapies, translatable to patients.

Key publications

Year of publication 2020

Pierre Bourdely, Giorgio Anselmi, Kristine Vaivode, Rodrigo Nalio Ramos, Yoann Missolo-Koussou, Sofia Hidalgo, Jimena Tosselo, Nicolas Nuñez, Wilfrid Richer, Anne Vincent-Salomon, Alka Saxena, Kristie Wood, Alvaro Lladser, Eliane Piaggio, Julie Helft, Pierre Guermonprez (2020 Jul 2)

Transcriptional and Functional Analysis of CD1c Human Dendritic Cells Identifies a CD163 Subset Priming CD8CD103 T Cells.

Immunity : 335-352.e8 : [DOI : S1074-7613\(20\)30232-6](https://doi.org/10.1016/j.immuni.2020.07.006)

Nicolas Gonzalo Núñez, Jimena Tosello Boari, Rodrigo Nalio Ramos, Wilfrid Richer, Nicolas Cagnard, Cyrill Dimitri Anderfuhren, Leticia Laura Niborski, Jeremy Bigot, Didier Meseure, Philippe De La Rochere, Maud Milder, Sophie Viel, Delphine Loirat, Louis Pérol, Anne Vincent-Salomon, Xavier Sastre-Garau, Becher Burkhard, Christine Sedlik, Olivier Lantz, Sebastian Amigorena, Eliane Piaggio (2020 Jul 1)

Tumor invasion in draining lymph nodes is associated with Treg accumulation in breast cancer patients.

Nature communications : 3272 : [DOI : 10.1038/s41467-020-17046-2](https://doi.org/10.1038/s41467-020-17046-2)

Year of publication 2017

Fernando P Canale, Maria C Ramello, Nicolas Núñez, Cintia L Araujo Furlan, Sabrina N Bossio, Melisa Gorosito Serrán, Jimena Tosello Boari, Andrés Del Castillo, Marta Ledesma, Christine Sedlik, Eliane Piaggio, Adriana Gruppi, Eva V Acosta Rodríguez, Carolina L Montes (2017 Oct 26)
CD39 expression defines cell exhaustion in tumor-infiltrating CD8+ T cells.
Cancer research : [DOI : canres.2684.2016](https://doi.org/10.1158/1538-7445.2017.2684)

Rodrigo N Ramos, Eliane Piaggio, Emanuela Romano (2017 Mar 19)
Mechanisms of Resistance to Immune Checkpoint Antibodies.
Handbook of experimental pharmacology : [DOI : 10.1007/164_2017_11](https://doi.org/10.1007/164_2017_11)

Year of publication 2016

Louis Pérol, John M Lindner, Pamela Caudana, Nicolas Gonzalo Nunez, Audrey Baeyens, Andrea Valle, Christine Sedlik, Delphine Loirat, Olivier Boyer, Alain Créange, José Laurent Cohen, Ute Christine Rogner, Jun Yamanouchi, Martine Marchant, Xavier Charles Leber, Meike Scharenberg, Marie-Claude Gagnerault, Roberto Mallone, Manuela Battaglia, Pere Santamaria, Agnès Hartemann, Elisabetta Traggiai, Eliane Piaggio (2016 Oct 7)
Loss of immune tolerance to IL-2 in type 1 diabetes.
Nature communications : 13027 : [DOI : 10.1038/ncomms13027](https://doi.org/10.1038/ncomms13027)

Year of publication 2015

Louis Pérol, Eliane Piaggio (2015 Nov 5)
New Molecular and Cellular Mechanisms of Tolerance: Tolerogenic Actions of IL-2.
Methods in molecular biology (Clifton, N.J.) : 11-28 : [DOI : 10.1007/978-1-4939-3139-2_2](https://doi.org/10.1007/978-1-4939-3139-2_2)

Andrea Valle, Giulia Barbagiovanni, Tatiana Jofra, Angela Stabilini, Louis Perol, Audrey Baeyens, Santosh Anand, Nicolas Cagnard, Nicola Gagliani, Eliane Piaggio, Manuela Battaglia (2015 Feb 2)
Heterogeneous CD3 expression levels in differing T cell subsets correlate with the in vivo anti-CD3-mediated T cell modulation.
Journal of immunology (Baltimore, Md. : 1950) : 2117-27 : [DOI : 10.4049/jimmunol.1401551](https://doi.org/10.4049/jimmunol.1401551)

Year of publication 2014

Audrey Baeyens, David Saadoun, Fabienne Billiard, Angéline Rouers, Sylvie Grégoire, Bruno Zaragoza, Yenkel Grinberg-Bleyer, Gilles Marodon, Eliane Piaggio, Benoît L Salomon (2014 Dec 31)
Effector T cells boost regulatory T cell expansion by IL-2, TNF, OX40, and

plasmacytoid dendritic cells depending on the immune context.

Journal of immunology (Baltimore, Md. : 1950) : 999-1010 : [DOI : 10.4049/jimmunol.1400504](https://doi.org/10.4049/jimmunol.1400504)

Louis Pérol, Gaëlle H Martin, Sébastien Maury, José L Cohen, Eliane Piaggio (2014 Sep 17)

Potential limitations of IL-2 administration for the treatment of experimental acute graft-versus-host disease.

Immunology letters : 173-84 : [DOI : 10.1016/j.imlet.2014.10.027](https://doi.org/10.1016/j.imlet.2014.10.027)

Guillaume Churlaud, Veronica Jimenez, Jesus Ruberte, Martin Amadoudji Zin, Gwladys Fourcade, Gaëlle Gottrand, Estefania Casana, Benedicte Lambrecht, Bertrand Bellier, Eliane Piaggio, Fatima Bosch, David Klatzmann (2014 Mar 1)

Sustained stimulation and expansion of Tregs by IL2 control autoimmunity without impairing immune responses to infection, vaccination and cancer.

Clinical immunology (Orlando, Fla.) : 114-26 : [DOI : 10.1016/j.clim.2014.02.003](https://doi.org/10.1016/j.clim.2014.02.003)

Year of publication 2013

Audrey Baeyens, Louis Pérol, Gwladys Fourcade, Nicolas Cagnard, Wassila Carpentier, Janine Woytschak, Onur Boyman, Agnès Hartemann, Eliane Piaggio (2013 May 13)

Limitations of IL-2 and rapamycin in immunotherapy of type 1 diabetes.

Diabetes : 3120-31 : [DOI : 10.2337/db13-0214](https://doi.org/10.2337/db13-0214)

Jérémie David Goldstein, Louis Pérol, Bruno Zaragoza, Audrey Baeyens, Gilles Marodon, Eliane Piaggio (1970 Jan 1)

Role of cytokines in thymus- versus peripherally derived-regulatory T cell differentiation and function.

Frontiers in immunology : 155 : [DOI : 10.3389/fimmu.2013.00155](https://doi.org/10.3389/fimmu.2013.00155)