



Graça Raposo **EQUIPE IMAGERIE CELLULAIRE ET TISSULAIRE**

Directeur adjoint d'unité

Electroniques - Bât. Burg

Chef d'équipe

graposo@curie.fr Tél : +33 1 56 24 64 41

Biography

Education [in time-reversed order]

2003 Habilitations (HDR) - Université Paris V - France

1989 PhD in Immunologie and Cell Biology - Université Paris VII - France

1985 Master in Membrane Biology - Université Paris VII - France

1983 BS in Biochemistry - Université Paris VII - France

Research Experience [in time-reversed order]

2003-today DR2, DR1 and then DRCE Group leader - UMR144 CNRS, Curie Institute Paris, France

1995-2002 CR1 - UMR144 CNRS, Institut Curie, Paris, France

1993-1995 Post doctoral Fellow Utrecht Medical School, The Netherlands

1989-1992 Post-doc fellow Immunology Center, Marseille, Luminy, France

1985-1989 PhD Fellow University Paris VII, Paris, Thesis at Institut Jacques Monod

Distinctions

CNRS Silver Medal 2012; Descartes Huygens Price Royal Dutch Academy and French Academy of Sciences 2013; Association for Cancer Research 2015; EMBO Member 2015; Special Achievement Award 2018 International Society for Extracellular Vesicles.

Publications clés

Année de publication : 2018

Philip D Stahl, Graça Raposo (2018 May 17)

Exosomes and extracellular vesicles: the path forward.

Essays in biochemistry : 119-124 : [DOI : 10.1042/EBC20170088](https://doi.org/10.1042/EBC20170088)

Guillaume van Niel, Gisela D'Angelo, Graça Raposo (2018 Jan 18)

Shedding light on the cell biology of extracellular vesicles.

Nature reviews. Molecular cell biology : 213-228 : [DOI : 10.1038/nrm.2017.125](https://doi.org/10.1038/nrm.2017.125)

Frederik Johannes Verweij, Maarten P Bebelman, Connie R Jimenez, Juan J Garcia-Vallejo, Hans Janssen, Jacques Neefjes, Jaco C Knol, Richard de Goeij-de Haas, Sander R Piersma, S Rubina Baglio, Matthijs Verhage, Jaap M Middeldorp, Anoeck Zomer, Jacco van Rheenen, Marc G Coppelino, Ilse Hurbain, Graça Raposo, Martine J Smit, Ruud F G Toonen, Guillaume van Niel, D Michiel Pegtel (2018 Jan 18)

Quantifying exosome secretion from single cells reveals a modulatory role for GPCR signaling.

The Journal of cell biology : 1129-1142 : [DOI : 10.1083/jcb.201703206](https://doi.org/10.1083/jcb.201703206)

Année de publication : 2017

Christin Bissig, Ilse Hurbain, Graça Raposo, Guillaume van Niel (2017 Sep 1)

PIKfyve activity regulates reformation of terminal storage lysosomes from endolysosomes.

Traffic (Copenhagen, Denmark) : 747-757 : [DOI : 10.1111/tra.12525](https://doi.org/10.1111/tra.12525)

Ilse Hurbain, Maryse Romao, Ptissam Bergam, Xavier Heiligenstein, Graça Raposo (2017 May 1)

Analyzing Lysosome-Related Organelles by Electron Microscopy.

Methods in molecular biology (Clifton, N.J.) : 43-71 : [DOI : 10.1007/978-1-4939-6934-0_4](https://doi.org/10.1007/978-1-4939-6934-0_4)

Année de publication : 2016

Cédric Delevoye, Xavier Heiligenstein, Léa Ripoll, Floriane Gilles-Marsens, Megan K Dennis, Ricardo A Linares, Laura Derman, Avanti Gokhale, Etienne Morel, Victor Faundez, Michael S Marks, Graça Raposo (2016 Jan 4)

BLOC-1 Brings Together the Actin and Microtubule Cytoskeletons to Generate Recycling Endosomes.

Current biology : CB : 1-13 : [DOI : 10.1016/j.cub.2015.11.020](https://doi.org/10.1016/j.cub.2015.11.020)

Année de publication : 2014

Guillaume van Niel, Ptissam Bergam, Aurelie Di Cicco, Ilse Hurbain, Alessandra Lo Cicero, Florent

Dingli, Roberta Palmulli, Cecile Fort, Marie Claude Potier, Leon J Schurgers, Damaris Loew, Daniel Levy, Graça Raposo (2014 Nov 13)

Apolipoprotein E Regulates Amyloid Formation within Endosomes of Pigment Cells.

Cell reports : 43-51 : [DOI : 10.1016/j.celrep.2015.08.057](https://doi.org/10.1016/j.celrep.2015.08.057)

Mathieu Boissan, Guillaume Montagnac, Qinfang Shen, Lorena Griparic, Jérôme Guitton, Maryse Romao, Nathalie Sauvonnet, Thibault Lagache, Ioan Lascu, Graça Raposo, Céline Desbourdes, Uwe Schlattner, Marie-Lise Lacombe, Simona Polo, Alexander M van der Blik, Aurélien Roux, Philippe Chavier (2014 Jun 28)

Membrane trafficking. Nucleoside diphosphate kinases fuel dynamin superfamily proteins with GTP for membrane remodeling.

Science (New York, N.Y.) : 1510-5 : [DOI : 10.1126/science.1253768](https://doi.org/10.1126/science.1253768)

Carine Rossé, Catalina Lodillinsky, Laetitia Fuhrmann, Maya Nourieh, Pedro Monteiro, Marie Irondelle, Emilie Lagoutte, Sophie Vacher, François Waharte, Perrine Paul-Gilloteaux, Maryse Romao, Lucie Sengmanivong, Mark Linch, Johan van Lint, Graça Raposo, Anne Vincent-Salomon, Ivan Bièche, Peter J Parker, Philippe Chavier (2014 Apr 21)

Control of MT1-MMP transport by atypical PKC during breast-cancer progression.

Proceedings of the National Academy of Sciences of the United States of America : E1872-9 : [DOI : 10.1073/pnas.1400749111](https://doi.org/10.1073/pnas.1400749111)

Année de publication : 2013

Xavier Heiligenstein, Jérôme Heiligenstein, Cédric Delevoye, Ilse Hurbain, Sabine Bardin, Perrine Paul-Gilloteaux, Lucie Sengmanivong, Gilles Régnier, Jean Salamero, Claude Antony, Graça Raposo (2013 Aug 28)

The CryoCapsule: simplifying correlative light to electron microscopy.

Traffic (Copenhagen, Denmark) : 700-16 : [DOI : 10.1111/tra.12164](https://doi.org/10.1111/tra.12164)

Graça Raposo, Willem Stoorvogel (2013 Feb 20)

Extracellular vesicles: exosomes, microvesicles, and friends.

The Journal of cell biology : 373-83 : [DOI : 10.1083/jcb.201211138](https://doi.org/10.1083/jcb.201211138)

Année de publication : 2011

Gaëlle Boncompain, Severine Divoux, Nelly Gareil, Helene de Forges, Aurianne Lescure, Lynda Latreche, Valentina Mercanti, Florence Jollivet, Graça Raposo, Franck Perez (2011 Aug 2)

Synchronization of secretory protein traffic in populations of cells.

Nature methods : 493-8 : [DOI : 10.1038/nmeth.1928](https://doi.org/10.1038/nmeth.1928)

Année de publication : 2010

Guillaume van Niel, Stéphanie Charrin, Sabrina Simoes, Maryse Romao, Leila Rochin, Paul Saftig, Michael S Marks, Eric Rubinstein, Graça Raposo (2010 Dec 21)

The tetraspanin CD63 regulates ESCRT-independent and -dependent endosomal sorting during melanogenesis.

Developmental cell : 708-21 : [DOI : 10.1016/j.devcel.2011.08.019](https://doi.org/10.1016/j.devcel.2011.08.019)

Bidisha Sinha, Darius Köster, Richard Ruez, Pauline Gonnord, Michele Bastiani, Daniel Abankwa, Radu V Stan, Gillian Butler-Browne, Benoit Védie, Ludger Johannes, Nobuhiro Morone, Robert G Parton, Graça Raposo, Pierre Sens, Christophe Lamaze, Pierre Nassoy (2010 Jan 7)

Cells respond to mechanical stress by rapid disassembly of caveolae.

Cell : 402-13 : [DOI : 10.1016/j.cell.2010.12.031](https://doi.org/10.1016/j.cell.2010.12.031)

Année de publication : 2009

Matias Ostrowski, Nuno B Carmo, Sophie Krumeich, Isabelle Fanget, Graça Raposo, Ariel Savina, Catarina F Moita, Kristine Schauer, Alistair N Hume, Rui P Freitas, Bruno Goud, Philippe Benaroch, Nir Hacohen, Mitsunori Fukuda, Claire Desnos, Miguel C Seabra, François Darchen, Sebastian Amigorena, Luis F Moita, Clotilde Thery (2009 Aug 14)

Rab27a and Rab27b control different steps of the exosome secretion pathway.

Nature cell biology : 19-30; sup pp 1-13 : [DOI : 10.1038/ncb2000](https://doi.org/10.1038/ncb2000)

Bahne Stechmann, Siau-Kun Bai, Emilie Gobbo, Roman Lopez, Goulven Merer, Suzy Pinchard, Laetitia Panigai, Danièle Tenza, Graça Raposo, Bruno Beaumelle, Didier Sauvaire, Daniel Gillet, Ludger Johannes, Julien Barbier (2009 Jul 30)

Inhibition of retrograde transport protects mice from lethal ricin challenge.

Cell : 231-42 : [DOI : 10.1016/j.cell.2010.01.043](https://doi.org/10.1016/j.cell.2010.01.043)

Année de publication : 2008

Gabrielle Faure-André, Pablo Vargas, Maria-Isabel Yuseff, Mélina Heuzé, Jheimmy Diaz, Danielle Lankar, Veronica Steri, Jeremy Manry, Stéphanie Hugues, Fulvia Vascotto, Jérôme Boulanger, Graça Raposo, Maria-Rosa Bono, Mario Roseblatt, Matthieu Piel, Ana-Maria Lennon-Duménil (2008 Dec 17)

Regulation of dendritic cell migration by CD74, the MHC class II-associated invariant chain.

Science (New York, N.Y.) : 1705-10 : [DOI : 10.1126/science.1159894](https://doi.org/10.1126/science.1159894)

Année de publication : 2007

Florence Jollivet, Graça Raposo, Ariane Dimitrov, Rachid Sougrat, Bruno Goud, Franck Perez

(2007 Sep 12)

Analysis of de novo Golgi complex formation after enzyme-based inactivation.

Molecular biology of the cell : 4637-47

Winfried Römer, Ludwig Berland, Valérie Chambon, Katharina Gaus, Barbara Windschiegel, Danièle Tenza, Mohamed R E Aly, Vincent Fraisier, Jean-Claude Florent, David Perrais, Christophe Lamaze, Graça Raposo, Claudia Steinem, Pierre Sens, Patricia Bassereau, Ludger Johannes (2007 Aug 15)

Shiga toxin induces tubular membrane invaginations for its uptake into cells.

Nature : 450 : 670-675 : [DOI : 10.1038/nature05996](https://doi.org/10.1038/nature05996)

Année de publication : 2014

Sofia Traikov, Christoph Stange, Thomas Wassmer, Perrine Paul-Gilloteaux, Jean Salamero, Graça Raposo, Bernard Hoflack (1970 Jan 1)

Septin6 and Septin7 GTP binding proteins regulate AP-3- and ESCRT-dependent multivesicular body biogenesis.

PloS one : e109372 : [DOI : 10.1371/journal.pone.0109372](https://doi.org/10.1371/journal.pone.0109372)