

CURRICULUM VITAE

Name	RABOUILLE
First name	Catherine
Nationality	French
Professional address	<p>0.8 fte Hubrecht Institute of the KNAW & UMC Utrecht Upssalalaan 8 3584 CT Utrecht, The Netherlands Tel: (31) 30 2121 941 Email: c.rabouille@hubrecht.eu Webpage: http://www.hubrecht.eu/</p> <p>0.1 fte UMC Groningen Department of Cell Biology Antonius Deusinglaan 1 9713 AV Groningen, The Netherlands</p> <p>0.1 fte UMC Utrecht Department of Cell Biology AZU rm H02.314 Heidelberglaan 100 3584 CX Utrecht</p>

EDUCATION, DEGREES AND PROFESSIONAL EXPERIENCE

- 1985-1988: University of Compiègne (France).**
Ph.D. in Microbiology, Bioconversion and Enzymatic Engineering in the "Laboratoire de Technologie Enzymatique" directed by Professor D. Thomas (URA 641 du CNRS, Compiègne, France).
Title: *The interactions and the supra molecular organisation of the ovomucin gel: Biochemical, biophysical and morphological approaches.*
Graduation on 23 December 1988.
- 1989-1990: Harvard Medical School (Boston, MA).**
Postdoctoral position in the Laboratory for the Biomembranes and Carbohydrate Chemistry directed by Professor R.G. Spiro (Joslin Diabetes Centre, Boston, MA).
Physiological role of a novel enzyme involved in the processing of glycoproteins.
- 1990-1992: UMC Utrecht, Department of Cell Biology (The Netherlands)**
Postdoctoral position in the Laboratory of Electron Microscopy (Cell Biology Department) directed by Professor H.J. Geuze and Dr J.W. Slot.
An outline of the autophagic pathway in rat liver tissue.
- 1993-1997: Imperial Cancer Research Fund (London, UK. Now Cancer Research UK) 1FTE**
Postdoctoral position in the Laboratory of Cell Biology directed by Dr. Graham Warren.
Reassembly of the Golgi apparatus in a cell free system
- 1998-1999: Oxford University (Oxford, UK)**
Postdoctoral position in the Genetics Laboratory (Department of Biochemistry) supervised by Dr. Marcel van den Heuvel.
The Golgi apparatus in Drosophila melanogaster
- 1999-2002: The Wellcome Center for Cell Biology, Institute of Cell and Molecular Biology University of Edinburgh (Edinburgh, UK)**
Research fellow from the Medical Research Council starting my own laboratory
The early secretory pathway in Drosophila
- 2002- 2010 UMC Utrecht, Department of Cell Biology (the Netherlands)**
Associate Professor
The early secretory pathway in Drosophila development
- 2010**
Joint appointment
Hubrecht Institute of the KNAW & UMC Utrecht
UMC Utrecht, Department of Cell Biology (the Netherlands)
- 2014**
3 months sabbatical at **MRC NIMR (London, UK)** in the lab of Prof. J.P. Vincent.
- 2016**
Professor at Groningen University

FELLOWSHIPS AND GRANTS

- 1989** Fellowship from the French Ministry of Foreign Business (BourseLavoisier). 1 year
- 1993** Fellowships from ICRF and European Union Research. 5 years.
- 1999** Career Development Award MRC, UK. 540,000 Euros. *The Golgi apparatus in Drosophila melanogaster* (4 years).
- 2002** Senior non-clinical Fellowship MRC UK. 1,350 Million Euros 2002. *The Golgi apparatus in Drosophila melanogaster* (not taken because of move to the Netherlands)
- 2002** ASPASIA NWO: 178, 000 euros. *The morpho-functional organization of the secretory pathway in the oocyte of Drosophila melanogaster and its role in body plan formation.* 015.001.129
- 2003** Programma Subsidie ZonMw NWO: December. 500, 000 euros. *The early exocytic pathway and sterility: A reverse genetics approach using Drosophila melanogaster.* 912-04-009

2005	Horizon Breakthrough NGI: 100,000 Euros. <i>The early exocytic pathway and signalling: A genome wide RNAi approach using Drosophila S2 cells.</i> 050-71-029
2006	Open ALW NWO: 240,000 euros. <i>The organisation of the tER sites in Drosophila.</i> 816.02.004
2008	TOP subsidie ZOnMW. 675,000 euros. <i>Unconventional integrin secretion: Role in epithelium integrity and tumour formation.</i> 912080241
2009	ESF collaborative research project: 222,000 euros. <i>Unconventional protein secretion (UPS).</i>
2012	Open ALW NWO: The novel ERK7/Sec16 signalling pathway is required for secretion inhibition upon amino-acid starvation 248,000 euros. 822-020-016
2016	pending

TEACHING

2003-2015	Coordinator and teacher of a Prestige Master Class Cancer genomics and Developmental Biology ” now “Cancer, Stem cell and Developmental biology” : From cell to organism: the role of membrane traffic in disease and development”
2003	Teacher at the Genomics and Bioinformatics Master class. Sept 2003.
2003-2008	Literature tutorial for 2 nd and 3 rd year Biomedical sciences (BMW) students:
2004-2011	Participation to the course “Advanced Cell Biology” for 2 nd and 3 rd year Biomedical science (BMW) students. Lecture and practicals.
2006-2010	Coordinator (and teacher) of the Prestige Master class Biomolecular Sciences “Advanced principles of membrane traffic and organelle architecture”.
2010-present	Coordinator (and teacher) of the Prestige Master class Molecular and Cellular life Science “Intracellular processes”.

COMMITTEE/MANAGEMENT

2002-2010	Member of the management team at the Department of Cell Biology.
2002-	Active member of the Graduate School Institute of Biomembrane
2003-2011	Member of the “Career Development Committee of the ELSO”
2003-	Member of the American Society of Cell Biology
2007-2011	Board Member of the Netherlands Society for Microscopy
2009-	EMBO member
2009-	Editor at Biology of the Cell
2009-	EMBO membership committee
2014	Chair of the “career development committee” of the HUbrecht
2015	Editor at Traffic

-Committee member of “Earth and Life Science “(NWO, NL) and Rubicon, Wellcome Trust (UK) and ANR (France) (Vice chair Cell and Developmental biology committee)

-Reviewer for funding bodies, such as NSF (USA), Wellcome Trust (UK), BBSRC (UK), AIRC (Italy), ANR (France)

-Reviewers for Nature, Nature Cell Biology, Molecular Biology of the Cell, Journal of Cell Biology, Current Biology, EMBO Journal, Developmental Cell, Nature, Nature Reviews of Molecular Cell Biology, PLOS biology.

ORGANISATION OF INTERNATIONAL MEETINGS AND SYMPOSIUM

2001	Organisation committee for the 17 th European fly meeting, Edinburgh, UK.
2003	Organisation of the Dutch/Belgium fly meeting. Utrecht, NL
2004	Organisation and chair of Minisymposium “Life Science” at the European Microscopy Congress , Antwerpen, Belgium.
2004	Organisation and chair of Minisymposium “Establishment and maintenance of membrane subdomains” at the American Society of Cell Biology meeting, Washington, USA.
2007	Organisation and chair of Minisymposium “Development’ of the ELSO meeting , Dresden, Germany

- 2009** -Organisation and chair of Minisymposium "Structural proteins of the Golgi apparatus" of the **EMBO meeting**. Amsterdam. NL
-Organisation and chair of the minisymposium "Adhesion" at the 21th **European Drosophila Research Conference**, Nice, 18-21 Nov 2009.
- 2010** Organisation committee of the Annaberg **EMBO workshop** "Protein and lipid sorting". Austria.
- 2012** Organisation of the **ESF meeting** on "Cell Polarity and membrane traffic". Poland
- 2016** Organisation committee of the Annaberg **EMBO workshop** "Emerging concepts in cell organisation". Austria.

INVITATIONS

International courses

- To teach at the EMBO workshop "Antibodies". Geneva, Switzerland, 1996
- To teach at the EMBO workshop "Methods in Cell Biology". Heidelberg, Germany, 1997

International conferences

Before 2004

- FEBS** meeting minisymposium on "Protein transport". Barcelona, Spain, 1995
- EMBO workshop "Protein sorting and processing". Annaberg, Austria, 2001.
- 17th European *Drosophila* Research Conference minisymposium "Cytoskeleton/Trafficking". Edinburgh, UK, 2001.
- British Society** for Cell Biology minisymposium "Membrane traffic". York, UK, 2002.
- Dutch Society for Electron microscopy**, December 2003. *Linking membrane traffic and development: A microscopy approach*

2004-2010

- Annaberg **EMBO workshop** "Protein sorting and processing", Austria, January 2004. *Polarised deposition of the transmembrane/secreted protein Gurken in the Drosophila oocyte: A pre-translational mechanism.*
- EMBO Workshop** on *Drosophila*, Crete, June 2004. *The endomembrane system and body axis formation in Drosophila oocyte.*
- Minisymposium "Life Science" at the **European Microscopy Congress**, Belgium, August 2004. *tER and Golgi: What can Drosophila tell us?* (also chair)
- Special interest group "Special functions of the ER" of the **ELSO** meeting, France, September 2004. *Polarised deposition of Gurken in the Drosophila oocyte: Heterogeneity of tER sites in a continuous ER by mRNA localisation*
- Minisymposium "Establishment and maintenance of membrane subdomains" at the **American Society of Cell Biology** meeting, Washington, December 2004. *Polarised deposition of Gurken in the Drosophila oocyte (also chair)*
- Gordon conference** "Molecular membrane biology", Proctor Academy, New Hampshire, July 2005. *The organisation of the tER-Golgi units in Drosophila S2 cells.*
- KNAW** master class "Lipids moving centre stage", Amsterdam, October 2005. *F Actin depolymerisation mimicks the S phase duplication of tER-Golgi units in Drosophila S2 cells.*
- Dutch Fly** meeting, Groningen, November 2005. *Oskar stimulates endocytosis and actin dynamics, that are, in turn, necessary for its anchoring at the posterior pole of the Drosophila oocyte*
- British Society** for Cell Biology/Royal Microscopical Society joint meeting, UK, September 2006. *An F-actin based mechanism regulates the cell cycle dependent Golgi stack duplication*
- Gordon conference** "Molecular membrane biology", New Hampshire, July 2007. *A novel role for dGRASP in Drosophila epithelium integrity*
- Minisymposium "Development" of the **ELSO meeting**, Germany, September 2007. *A novel role for dGRASP in Drosophila epithelium integrity* (also chair)
- British RNA** meeting, Spain, October 2007. *Sponge bodies and grk RNA localisation.*
- Guest speaker at the 3rd **Euroglycanet** meeting, France, October 2007. *The early exocytic pathway: Lessons from Drosophila*
- Keynote speaker for the **Italian Association of Cell and Developmental Biology**, "Protein secretion and organelle biogenesis", April 2008. *dGRASP, the Golgi and the unconventional secretion.*
- FEBS Golgi meeting** "Membrane trafficking in global cellular responses", Italy, September 2008. *tER sites and Drosophila Sec16*

-**EMBO conference** series “At the joint edge of cellular microbiology & cell biology”. Switzerland, September 2008. *dGRASP-dependent unconventional secretion of integrins during epithelium remodelling in Drosophila*

-**NVvM minisymposium** “Imaging cellular membrane trafficking”, Lunteren, November 2008. *Developmental regulation of unconventional secretion*.

-**ESF-EMBO Meeting** “Cell Polarity and Membrane Traffic”, Spain, 2009. *dGRASP-dependent unconventional secretion of integrins at the basal side of Drosophila follicle cells*

-Golgi special meeting on “How proteins move through the Golgi”. Spain, June 2009.

-**FASEB/EMBO Summer Research Conference** on “Intracellular RNA Transport and Localized Translation”, Vermont, July 2009. *dgrasp mRNA localisation in the Drosophila follicle cells during epithelium remodeling*

-Minisymposium “Structural proteins of the Golgi apparatus” of the **EMBO meeting**, Amsterdam, August 2009. *GRASP and epithelium remodeling* (also chair).

-**21th European Drosophila Research Conference**, France, November 2009. *dGRASP-dependent transport of integrins during remodeling of the Drosophila follicular epithelium* (also chair).

-Annaberg **EMBO conference** “Protein and lipid sorting”, Austria, January 2010. *Regulation of the functional organisation of the early secretory pathway by MAPK signaling*.

-ESF workshop “ER function”, Spain, October 2010. *Modulation of tER site functional organisation by ERK7*.

2011-2016

-Key note speaker of the **Swiss fly meeting**, April 2011. *A role for dGRASP in Drosophila epithelium integrity*.

-**International graduate school** “Quantitative biology in protein transport”, Germany, June 2011, *Modulation of secretion by physiology and development*.

-**EMBO meeting** “mRNA localization and translational control”, Italy, August 2011. *dgrasp mRNA expression and localisation in Drosophila epithelium: Regulated by stress*

-**Japanese Biochemical Society** meeting, Minisymposium “Conservation and differentiation of organelle structure and function”, September 2011. *Inhibition of secretion by amino-acid starvation*.

-**Nederlands Biophysics meeting**, NVvM minisymposium “Microscopy of Cells”, Veldhoven, October 2011. *gurken and bicoid mRNAs differential anchoring to P-bodies regulate their translation: An EM approach*.

-**ESF/EMBO meeting** “Membrane traffic and cell polarity”, Poland, April 2012. *GRASP65 has a role in intercellular adhesion through clearance of cleaved E-cadherin*

-Minisymposium of **ASBMB** (also chair), California, April 2012. *Modulation of secretion by amino-acid starvation via MAPK and TOR*

-**ASBMB symposium** on “The Multitasking Endoplasmic Reticulum in Health and Disease”, Washington, May 2013. *Integration of secretion and nutrient sensing at ER exit sites*.

-**Membrane traffic retreat Pittsburgh** (Invitation Adam Linstedt), May 2013. *Golgi fragmentation in neurodegenerative diseases: A cross talk between MT and COPI*.

-**EMBO RNA meeting**, Ontario, July 2013. *The STAR protein HOW controls dgrasp mRNA stability in the Drosophila follicular epithelium*.

-**Gordon conference** “Molecular membrane biology”, New Hampshire, July 2013. *Sec16: a stress response protein?*

-Keynote lecture at the **Young Investigator meeting** “protein trafficking”, UK, September 2013. *dGRASP at the interface of conventional and unconventional secretion*

-**Minerva meeting** “Protein and mRNA localization”, Israel, November 2013. *Coordination of stress response by Sec16*.

-Annaberg **EMBO Workshop** “Protein and lipid trafficking”, Austria, January 2014. *Sec16 coordinates stress responses to amino-acid starvation; A new function in signaling*

-**EMBO workshop** “Trafficking and signaling”, Germany, March 2014. *The secretion response to amino-acid starvation is coupled to RNA processing via Sec16*.

-Joint focused meeting of **British society for Cell Biology/Developmental Biology** special meeting “The dynamic Cell”, UK, September 2014. *Morpho-functional remodeling of the Drosophila early secretory pathway during amino-acid starvation: Formation of a novel stress assembly*.

-**Dutch society for Cell biology** “Vesicle on the move”, Amsterdam, October 2014. *Remodeling of the early secretory pathway under stress*.

-**EMBO RNA meeting**, Greece, July 2015. *The role of the ERES component Sec16 in translational control via stress granule formation*

- EMBO workshop** “Actualizations in membrane trafficking in health and disease”, La Serena, Chile, September 2016.
- **30th French Drosophila conference** (also chair), Grasse, France, September 2016.
- Annaberg **EMBO Workshop** “Emerging concepts in Cell organisation”, Austria, January 2017.
- **EMBO workshop** “Trafficking and signaling”, Sardinia, May 2017
- **38th Steenbock Symposium** “Protein trafficking in the secretory pathway”, University of Wisconsin-Madison. June 2017
- Gordon conference** “Molecular membrane biology”, New Hampshire, July 2017. *Sec16: Not only an ERES scaffold, but also a stress signaling platform during amino-acid starvation*
- Osnabruck SFB 944** “Cellular microcompartments: From analytics to physiology”. Sept 2017. *Sec16: from ERES to the formation of membrane-less stress assemblies.*

Institutes

- At the Institute of Biomembranes, Utrecht University (The Netherlands), June **1998**.
- At the Division of Cell Biology and Immunology, the University of Dundee (UK), June **2000**.
- At the Institut Curie for Cell Biology, Paris (France), Mars **2001**.
- At the School of Biological Sciences, Manchester University (UK), Oct **2001**.
- At the Institute of Biomembranes, Utrecht University (The Netherlands), Oct **2002**.
- At the Programme for Developmental Biology of EMBL, Heidelberg (Germany), **2002** (by Anne Ephrussi).
- At the Viikki seminar series of the Helsinki Biocentre, (Finland), Apr **2003**. *What can Drosophila tell us on the Golgi apparatus (by Eija Jokitalo)*
- At the Institut Curie for Cell Biology, Paris (France), Sept **2003**. *The role of the exocytic pathway in Drosophila gametogenesis (by Franck Perez)*
- At the Medical School from Groningen University, Dec **2004**. *tER and Golgi: What can Drosophila tell us (by Ody Sibon)*.
- At the University of Heidelberg ZMBH (Germany), June **2005**. *The exocytic pathway in Drosophila: What can we learn more with this model organism? (by Bernard Dobberstein)*.
- At the university of Toulouse CRNS, Pierre Fabre (France). June **2006**. *The role of F-actin in the structure and duplication of the Golgi apparatus in Drosophila (by Andreas Merdes)*.
- At the Institut Jacques Monod, University of Paris 7. March **2007**. *The exocytic pathway in Drosophila: From paired Golgi stacks to gurken mRNA localization (By Antoine Guichet)*.
- At the Hubrecht laboratory, KNAW, Utrecht, The Netherlands. March **2008**. *How integrins mediate their own targeted deposition during epithelium remodeling (by Stefan Shultze Meker)*.
- At the Institute of Neuro and Developmental biology. Munster. Aug **2008**. *How integrins modulate their dGRASP-dependent unconventional secretion during epithelium remodelling in Drosophila (by Christian Klambt)*.
- At the Institut de Biologie du Developpement. Nice, Sept **2008**. *How integrins modulate their dGRASP-dependent unconventional secretion during epithelium remodelling in Drosophila (by Pascal Therond)*.
- At the Pasteur institute, Paris, Oct **2009**. *How integrins modulate their dGRASP-dependent unconventional secretion during epithelium remodelling in Drosophila (by Francois Scheiwsgurt)*.
- At the IGBMC, Strasbourg, Dec **2009**. *The role of dGRASP in unconventional secretion during development (by Michel Labouesse)*.
- At Stockholm University, Department of Developmental biology, Jan **2010**. *dGRASP at the crossroad between conventional and unconventional secretion (by Christos Samakovlis)*.
- At the Max Planck Institute of Molecular Cell Biology and Genetics, Dresden, Feb **2010**. *dGRASP at the crossroad between conventional and unconventional secretion (by Elie Knust)*.
- At TIGEM, CNR, Napoli. April **2011**. *Unconventional secretion in Drosophila (by Alberto Luini)*.
- At the Kyoto Sangyo University, Department of Molecular Biosciences, Sept **2011**. *The role of GRASP in epithelial integrity: Conventional secretion or Golgi bypass? (by Hiro Nakamura)*.
- At The University of Sheffield, Department of Biomedical Science, Oct **2011**. *Modulation of secretion by signaling (by Liz Smythe)*.
- At the University of Manchester, Faculty of Life Sciences, Oct **2011**. *The role of GRASP65 in mammalian epithelial integrity: Conventional or unconventional? (by Martin Lowe)*.
- At the Biocenter, Basel, Nov **2011**. *Modulation of trafficking by growth conditions and development (by Markus Afloter)*.
- Informal seminar at Ernst Hafen department, ETH. Nov **2011**. *Amino-acid starvation inhibits secretion via ERK7 and TORC2.*

- Invited speaker of the Osnabruck Cell biology retreat. 2 March **2012**. *Modulation of secretion by amino-acid starvation via MAPK and TOR (by Christian Ungermann)*.
- At Konstanz University, Germany, June **2012**. *Modulation of secretion by protein starvation via MAPK and TOR (by Hesso Farhan)*.
- At LMB, Cambridge, UK, March **2014**. *Regulation of the secretory pathway by nutrient and mechanical stress (by Sean Munro)*.
- At IFOM (Milan, Italy). June **2014**. *Secretion under stress: A tale of proteins and mRNAs (by Thomas Vaccari)*
- At Montpellier University. Institut de Genetique humaine. June **2014**. *Secretion under stress: A tale of proteins and mRNAs (by Martine Simonelig)*.
- At the Department of Cell Biology, UMCG, March **2015**. *The secretory pathway: From ovomucin to p97 and stress assemblies in Drosophila (by Dick Hoekstra)*.
- At Institut Jacques Monod, Paris. June **2015**. *The response of the early secretory pathway to stress (by Cathy Jackson)*.
- At The University of Oxford. Dunn School of Pathology. June **2016**. *Sec16 at the heart of the cellular stress response (by Alberto Baena)*.
- At Institut Curie, Paris. September **2016**. *The PARP of being Sec16. (by Franck Perez)*
- At Irchell Institute, Zurich, January **2017**. *Sec16 in the formation of stress assemblies (by Lukas Pelkmans)*.
- At Institut de Biologie Valrose, Nice, France, June **2017**. *Sec16: a signaling platform during amino-acid starvation (by Veronique van de Bor)*.
- At the Max Planck Institute, Martinsried, Germany, September **2017**. *PARP and the formation of stress assemblies (by Julia von Blume)*.

LIST OF PUBLICATIONS

Research articles

1. Rabouille, C., M.A. Aon, G. Muller, J. Cartaud and D. Thomas. 1990. The supra molecular organisation of the ovomucin: A biophysical-morphological approach. *Biochem. J.* 266:697-706.
2. Rabouille, C. and R.G. Spiro. 1992. Non-selective utilisation of the endo- mannosidase pathway for processing glycoproteins by hepatoma (HepG2) cells. *J. Biol. Chem.* 267:11573-11584.
3. Crapo, J.D., T. Oury, C. Rabouille, J.W. Slot and L.Y. Chang. 1992. CuZn superoxide dismutase is primarily a cytosolic protein in human cells. *Proc. Natl. Acad. Sci. USA* 89:10405-10409.
4. Rabouille, C., G.J. Strous, J.D. Crapo, H.J. Geuze and J.W. Slot. 1993. The differential degradation of two cytosolic proteins as a tool to monitor autophagy in hepatocytes by immunocytochemistry. *J. Cell Biol.* 120:897-908.
5. Nilsson, T., M.H. Hoe, P. Slusarewicz, C. Rabouille, R. Watson, F. Hunte, G. Watzele, E.G. Berger and G. Warren. 1994. Kin recognition between *medial* Golgi enzymes in HeLa cells. *EMBO J.* 13:562-574
6. Ponnambalam, S*, C. Rabouille*, J.P. Luzio, T. Nilsson and G. Warren. 1994. The TGN38 glycoprotein contains two non-overlapping signals that mediate localisation to the *trans*-Golgi network. *J. Cell Biol.* 125:253-268. (* Joined first author)
7. Banfield, D., M. Lewis, C. Rabouille, G. Warren and H. Pelham. 1994. Localisation of Sed 5, a putative vesicle targeting molecule, to the *cis*-Golgi network involves at least two distinct signals. *J. Cell Biol.* 127:357-371.
8. Rabouille, C., N. Hui, F. Hunte, R. Kieckbush, E.G. Berger, G. Warren and T. Nilsson. 1995. Mapping the distribution of Golgi enzymes involved in the construction of complex oligosaccharides. *J. Cell Sci.* 108:1617-1627.
9. Rabouille, C., T. Misteli, R. Watson and G. Warren. 1995. Reassembly of the Golgi apparatus from mitotic fragments in a cell-free system. *J. Cell Biol.* 129:605-618.
10. Rabouille, C., T. Levine, J.M. Peters and G. Warren. 1995. An NSF-like ATPase, p97, and NSF mediates cisternal regrowth from mitotic Golgi fragments. *Cell* 82:905-914.
11. Nakamura, N., C. Rabouille, R. Watson, T. Nilsson, N. Hui, P. Slusarewicz, T.E. Kreis and G. Warren. 1995. Characterisation of a *cis*-Golgi matrix protein, GM130. *J. Cell Biol.* 131:1715-1726.
12. Nilsson, T., C. Rabouille, N. Hui, R. Watson and G. Warren. 1996. The role of the membrane spanning domain and stalk region of N-acetylglucosaminyltransferase I in retention, kin recognition and structural maintenance of the Golgi apparatus in HeLa cells. *J. Cell Sci.* 109: 1975-1989.
13. Levine, T.P., C. Rabouille, R.H. Kieckbusch and G. Warren. 1996. Binding of the vesicle docking protein p115 to Golgi membranes is inhibited under mitotic conditions. *J. Biol. Chem.* 271:17304-17311.
14. Nakamura, N., M. Lowe, T.P. Levine, C. Rabouille and G. Warren. 1997. The vesicle docking protein p115 binds GM130, a *cis*-Golgi matrix protein, in a mitotically regulated manner. *Cell* 89: 445-455.
15. Kondo, H., C. Rabouille, R. Newman, T.P. Levine, D. Pappin, P. Freemont and G. Warren. 1997.

- p47 is a co-factor for p97-mediated membrane fusion. *Nature* 388:75-78.
16. Rabouille, C.*, H. Kondo*, R. Newman, N. Hui, P. Freemont and G. Warren. 1998. Syntaxin5 is a common component of the NSF- and p97- mediated reassembly pathways of Golgi cisternae from mitotic Golgi fragments in vitro. *Cell* 92: 603-610. (* Joined first author)
 17. Lowe, M., C. Rabouille, R. Watson, N. Nakamura, M. Jackman, E. Jämsä, D. Pappin and G. Warren. 1998. Cdc2 kinase directly phosphorylates the cis-Golgi matrix protein GM130 and is required for Golgi fragmentation in mitosis. *Cell* 94:783-793.
 18. Müller, J.M.M, C. Rabouille, R. Newman, P. Freemont, G. Schiavo, G. Warren and D. Shima. 1999. The ATP ase activity of NSF is not required for mitotic Golgi membrane fusion. *Nat. Cell Biol.* 1:335-340.
 19. Rabouille, C., D.A. Kuntz, A. Lockyer, R. Watson, T. Signorelli, D.R. Rose, M. Van den Heuvel and D.B. Roberts. 1999. The *Drosophila* *GMII* gene encodes Golgi alpha-mannosidase II. *J. Cell Sci.* 112: 3319-3330.
 20. Kleijmeer, M.J., J.M. Escola, F.G.C.M. UytdeHaag, E. Jakobson, J.M. Griffith, A.D.M.E. Osterghaus, W. Stoorvogel, C.J.M.Melief, C. Rabouille and H.J. Geuze. 2001. Antigen loading of MHC class I molecules in the endocytic tract. *Traffic* 2:124-137.
 21. Kondylis, V., S.E. Goulding, J. C. Dunne and C. Rabouille. 2001. The biogenesis of the Golgi stacks in the imaginal discs of *Drosophila melanogaster*. *Mol. Biol. Cell* 12: 2308-2328.
 22. Oprins, A.J., C. Rabouille, G. Posthuma, J. Klumperman, H.J. Geuze and J.W. Slot. 2001. The ER to Golgi interface is the major site of regulated secretory protein concentration in exocrine pancreatic cells. *Traffic* 2:831-838.
 23. Dunne, J.C., V. Kondylis and C. Rabouille. 2002. Ecdysone triggers the expression of genes encoding Golgi proteins in *Drosophila* imaginal disks via *Broad complex*. *Dev. Biol.* 245, 1:172-186.
 24. Uchiyama, K., E. Jokitalo, F. Kano, M. Murata, X. Zhang, B. Canas, R. Newman, C. Rabouille, D. Pappin, P. Freemont and H. Kondo. 2002. VCIP135, a novel essential factor for p97/p47-mediated membrane fusion, is required for Golgi and ER assembly in vivo. *J Cell Biol.* 159:855-66.
 25. Kondylis, V. and C. Rabouille. 2003. A novel role for dp115 in the organization of tER sites in *Drosophila*. *J. Cell Biol.* 162:185-98.
 26. Teixeira, L, C. Rabouille, P. Rørth, A. Ephrussi and N. F. Vanzo. 2003. *Drosophila* Perilipin/ADRP homologue Lsd2 regulates lipid metabolism. *Mech. Dev.* 120:1071-1081
 27. Herpers, B.H.A. and C. Rabouille. 2004. mRNA localization and ER based protein sorting mechanisms dictates the usage of tER-Golgi units involved in Gurken transport in *Drosophila* oocytes. *Mol. Biol. Cell* 15: 5306-5317
 28. Vaccari, T., C. Rabouille and A. Ephrussi. 2005. The *Drosophila* PAR-1 Spacer domain is required for lateral membrane association and for polarization of follicular epithelial cells. *Curr. Biol.* 15:255-261
 29. Sommer, B., A. Oprins, C.Rabouille* and S. Munro*. 2005. The exocyst component Sec5 is present on endocytic vesicles in the oocyte of *Drosophila melanogaster*. *J. Cell Biol.* 169: 953-963. (* joined corresponding author)
 30. Choudhury R., A. Diao A, F. Zhang, E. Eisenberg, A. Saint-Pol, C. Williams, A. Konstantakopoulos, J. Lucocq, L. Johannes, C. Rabouille, L.E. Greene and M. Lowe. 2005. Lowe Syndrome protein OCRL1 interacts with clathrin and regulates protein trafficking between endosomes and the trans-Golgi network. *Mol. Biol. Cell* 16:3467-3479.
 31. Kondylis, V., K.M. Spoorendonk and C. Rabouille. 2005. dGRASP localisation and function in the early exocytic pathway in *Drosophila* S2 cells. *Mol. Biol. Cell* 16:4061-4072.
 32. Léonard R., D. Rendić, C. Rabouille, I.B.H. Wilson, T. Prémat, F. Altmann. 2006. The *Drosophila fused lobes* gene encodes an N-acetylglucosaminidase involved in N-glycan processing. *J. Biol. Chem.* 281:4867-4875.
 33. Friggi-Grelin, F., C. Rabouille and P. Therond. 2006. The cis-Golgi *Drosophila* GMAP has a role in anterograde transport and Golgi organisation *in vivo*, similar to its mammalian orthologue in tissue cultured cells. *Eur. J. Cell Biol.* 85:1155-1166.
 34. Vanzo, N., A. Oprins, D. Xanthakis, A. Ephrussi* and C. Rabouille*. 2007. Stimulation of endocytosis and F-actin dynamics by Oskar polarizes the *Drosophila* oocyte. *Dev. Cell* 12:543-555. (*joined corresponding author)
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