

<b>CURRICULUM VITAE</b>
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Last Name, First name	<b>LOUVARD Daniel</b>
Date and place of birth: (Somme) France	February 20 1948, Abbeville
Marital statute	Married, 3 Children (Nathalie, 02/02/1974 - Bertrand, 04/10/1977 - Jean-Frédéric, 26/12/1980)
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**EDUCATION**

1973	Doctorat de Spécialité (Biochimie). Mention très honorable et félicitations du jury.
1976	Doctorat ès-Sciences Physiques. Mention très honorable et félicitations du jury.

**ACADEMIC POSITIONS**

1972	Stagiaire de Recherches au CNRS.
1976	Research Associate CNRS, post doctoral fellow EMBO
1977	Post-graduate Research Biologist, University of California, San Diego (USA).
1978	Group Leader IEMBL, (Heidelberg /Allemagne)
1981	Research Director CNRS.
1982	Head of Group, Institut Pasteur, (Paris).
1990	Full Professor Institut Pasteur.
199(	Director Research Center, Institut Curie,

**RESEARCH LABORATORY**

1970-1976	Centre Biochemistry, Molecular Biology CNRS, CNRS 1976-1978 Laboratory Professeur S.J. SINGER, University California, (San Diego/USA).
1978-1982	European Molecular Biology Laboratory Heidelberg /Germany).
1982-1995	Institut Pasteur, Department Molecular Biology (Paris/France).
1995-2013	Institut Curie, Section de Recherche, (Paris, France)

**SCIENTIFIC ORGANISATIONS**

Member de la Société de Chimie Biologique depuis 1980.  
 Member Société de Biologie Cellulaire de France depuis 1980  
 Member EMBO (European Molecular Biology Organization) 1983.  
 Member American Cell Biology Society 1983.  
 Member Scientific Committee of the European Cytoskeletal Forum, 1990.

**AWARDS**

Laureate Prix M. Nicloux, attribué par la Société de Chimie Biologique (1980).  
 Laureate Prix Anniversaire de la FEBS (Fédération Européenne des Sociétés de Biochimie, Bruxelles/(1983).  
 Laureate Prix de Biologie Cellulaire de la Fondation pour la Recherche Médicale (1985).  
 Laureate Prix Sovac (1987).  
 Laureate Prix Alexandre Joannidès d'Académie des Sciences (1987)  
 Member Academia Europea (1991).  
 Chevalier de l'Ordre National du Mérite (1992).  
 Laureate du prix de la Ligue Nationale contre le Cancer /Comité de Savoie (1995)  
 Laureate Prix Lounsbery - American Academy Sciences et Académie des Sciences Francee (1996)  
 Chevalier de la Légion d'Honneur (2000).  
 Member European Academy Sciences (2003)  
 Member French Academy Sciences (2003)  
 Laureate Grand Prix Claude Bernard de la Ville de Paris (2008)  
 Member European Academy of Cancer Sciences (2010)  
 Membre de l'American Academy of Arts and Sciences (2014)

**PUBLICATIONS (FULL LIST BELOW)**

317 publications since 1973 (Google Scholar: 24336 citations - H-index 95).

**DIRECTOR : GRADUATE STUDENT (PHD), POST DOCTORAL FELLOWS**

1978 - 1983	E. Coudrier	Doctorat d'Etat - Paris VII
1980 - 1982	K. Soderberg	Post-doctorant (Hellen Hay Withney Foundation)
1984 - 1986	L. Blair	Post-doctorant (Cancer Research Institute Foundation)

1984 - 1988	O. Godefroy	Doctorat d'université - Paris VII
1984 - 1992	B. Dudouet	Doctorat d'université - Paris VII
1990 - 1995	M. Algrain	Doctorat d'université -
1990 - 1996	A. Durrbach	Doctorat d'université (Médecin)
1991 - 1998	M-A. Costa	Doctorant (Bourse AFLM) (Médecin)
1992 - 1999	D. Pinto	Doctorant (Bourses Ministère - ARC)
1992 - 1993	G. Andreason	Post-doctorant (Poste rouge CNRS)
1993 - 1994	K. Vancompernelle	Post-doctorant (Bourse EMBO)
1995 - 2000	R. Goldsteyn	Post-doctorant (Bourse HSFP)
1996 - 2001	A. Gautreau	Doctorant (Elève ENS-AMN)
1996 - 2001	M-N. Cordonnier	Doctorant (Bourse Ministère)
1996 - 2000	J. Fradelizi	Doctorant (Bourse Ministère)
1996 - 2001	A-M. Marzesco	Doctorant (Bourse Ministère)
1997 - 2000	P. Poulet	Post-doctorant (Bourse FRM)
1997 - 1998	S. Manet	Post-doctorant (Bourse Ferring) (Médecin)
1998 - 2000	J. Niewohner	Post-doctorant (Bourse Institut Curie)
1998 - 1999	A. Lapillonne	Post-doctorant (Hospices civils de Lyon) (Médecin)
1999 - 2003	Ph. Pujuguet	Post-doctorant (Bourse ARC)
1999 - 2000	Jeremy Bouyer	Doctorant
1999 - 2001	S. Martinez	Post-doctorant (Bourse FRM)
1999 - 2003	K.P. Jenssen	Post-doctorant (Bourse Institut Curie)
2000 - 2003	R. Athman	Doctorant (Bourse Ministère)
2000 - 2002	R. Pandjaitan	Post-doctorant (Bourse FRM et Bourse Institut Curie)
2001 - 2003	L. Salas-Cortes	Post-doctorant (Bourse Institut Curie)
2001 - 2002	Wolfgang Faigle	Post-doctorant (Bourse IC)
2001 - 2003	Fei Ye	Post-doctorant (Bourse Institut Curie)
2002 - 2003	M. Abal Posada	Post-doctoral fellow (Spanish Ministry of Research fellowship)
2002 - 2005	Marion Chabrilat	Doctorant (CNRS fellowship)
2002 - 2004	Bruno Fievet	Doctorant (Ministry fellowship)
2002 - 2004	Joyti Srivastava	Post-doctorant (Bourse CNRS)
2002 - 2006 projet)	Romina D'Angelo	Post-doctorant (Bourse Ministère de l'Industrie et IC Genome
2003 - 2007	Sylvain Loubery	Doctorant (Bourses Ecole Polytechnique et Univ. Paris 6))
2003 - 2008	Céline Revenu	Doctorant (Bourse CNRS et ARC)
2003 - 2004	Katia Koehler	Post-doctorant (Bourse du Gouvernement Suisse)
2004 - 2007	Danijela Vignjevic	Post-doctorant (Bourse HSFP)
2004 - 2009	Sylvia Fre	Post-doctorant (Bourse Marie Curie)
2004	Rania Zaarour	Post-doctorant (Bourse Institut Curie)
2004	Alexandra Naba	Doctorant (Bourse Univ. Paris 11)
2005 - 2005	Ashamol Thomas	Doctorant (Bourse Institut Curie)
2004 - 2007	Lamia Bouslama	Post-doctorant (Bourse LNCC)
2006 - 2010	Marie Schoumacher	Doctorant (Bourses ENS et Univ. Paris 6)
2007 - 2010	Cedric Barrière	Post-doctoral fellow (Oncodeath - European Fellowship)
2007	Claudia Almeda	Post-doctorant (Embo fellowship)
2006 - 2010	Dafné Chirivino	Doctorante (Bourse Institut Curie et Université Paris 11)
2007 - 2009	Dalila Cherchalli	Post-doctorant (Bourse Institut Curie)
2007-	Emmanuel Derivery	Doctorant (bourses ENS et Université Paris 11)
2007 -	Florent Ubelmann	Doctorant (Bourse ministère)
2008 -	Sara Geraldo	Post-doctrant

2009 -	Shannon Duffy	Post-doctorant (Bourse Institut Curie)
2009-	Vinay Mandati	Doctorant (Bourse Fondation PGG)
2009 - 2010	Ingid Zwaenepoel	Post-doctorant
2009-	Nadia Elkhatib	Doctorant (Bourse sur contrat INCa Oncostem)
2011 -	Christophe Couderc	Post-doctorant – (Bourse INCa)
2011 -	Maia CHanrion	Post-doctorant – (Bourse Institut Curie)

### **VISITING PROFESSOR (SABBATICAL) :**

K. Kristiansen	Université du Michigan (Etats-Unis)
T. Rosenberry	Université de Case Western (Etats-Unis)
S. Artavanis	Université de Yale (Etats-Unis)
A. Walker	Université de Harvard (Etats-Unis)
M. Buchwald	Toronto, Hospital for Sick children (Canada)
J. Madara	Université de Harvard (Etats-Unis)
H. Blau	Université de Stanford (Etats-Unis)
H. Bujard	ZMBH, Université de Heidelberg (Allemagne)
G. Schatz	Biocenter - Université de Bâle (Suisse)
Ruth Arnon	Institut Weizmann des Sciences - Rehovot (Israel)
M. Donowitz	The Johns Hopkins University - Baltimore (Etats-Unis)
M. Beckerle	Université de Salt Lake City (Etats-Unis)
B.E. Elliott	Université de Kingston (Canada)
M. Kagnoff	Université de Californie-San Diego (Etats-Unis)
E. Fuchs	The Rockefeller University – New York (Etats-Unis)
R. Ramsay	P. MacCallum Cancer Center - Melbourne (Australie)

### **EDITORIAL BOARD**

- Differentiation (1984)
- EMBO Journal (1986-1989)
- Molecular and Cellular Probes (1986-1991)
- Current Topics in Membranes and Transport (1986)
- The New Biologist (1989 -1992).
- European Journal of Cancer (1990-1996)
- European Journal of Cell Biology (1990)
- Bioessays (1991-1997)
- Experimental Nephrology (1991)
- Modern Cell Biology (1991)
- Current Opinion in Cell Biology (1995-2009)
- Journal of Cellular Physiology (1996 )
- Gastroenterology (1996 )
- American Journal of Physiology : Gastrointestinal and liver physiology (1997-2002)
- Cellular Microbiology (1998-2003)

- Journal of Cell Science (1992)

## **EDITOR**

- Biology of the Cell (1985-2002)  
 - Current Opinion in Cell Biology (1991-1993).  
 - Journal of Cell Science (1992 -2005).

## **PATENTS**

### **- Brevet n° 85.06.707 (2 Mai 1985)**

"Villine" (D. Louvard, B. Dudouet et S. Robine).  
 Application in Europe N° 86 4 00 957 6 (April 30, 1986)

### **- Brevet n° 85.16.820 (13 Novembre 1985)**

"Clonage et Séquençage du Gène Codant pour la Villine Humaine" (M. Arpin, E. Pringault, Al. Garcia et D. Louvard).

### **- Brevet n° 86.22 (9 mai 1986)**

"Protéine de surface cellulaire liée au diagnostic du lupus" (L. Jacob, M-A. Lety, J-F. Bach et D. Louvard).

### **- US Patent Application n° 07/287,658 (21 DECEMBER 1988) and n° 006717 (30 APRIL1986),**

### **- Brevet n° 89.08485 (26 juin 1989)**

"Protéine de surface cellulaire de 94 KDa, son mode d'obtention et ses applications, notamment dans le domaine du diagnostic *in vitro* du pupus érythémateux disséminé (LED)". (L. Jacob, Viard, Ben Hadj Slama, J-F. Bach, J-B Le Pecq & D. Louvard).

### **- Brevet n° 604,905 - (Application USA : 29 octobre 1990).**

"Villin gene promoter sequence and its use in vectors, transformed mammalian cell lines, transgenic animals, and cell lines derived from the animals" (E. Pringault, S. Robine, Ch. Huet, Ch. Babinet, D. Louvard).

### **- Dépôt de Brevet Européen n° 91402887 - (28.10.91).**

"Villin gene promoter sequence and its use in vectors, transformed mammalian cell lines, transgenic animals, and cell lines derived from the animals" (E. Pringault, S. Robine, Ch. Huet, Ch. Babinet, D. Louvard).

### **- Brevet N° 5.188.967 (23.2.1993).**

"Agents for the *in vitro* diagnosis of malignant cells originating in the digestive tract". D. Louvard, B. Dudouet, M. Arpin, E. Pringault, Al. Garcia.

### **- Brevet n° DI. 96-18 (déposé aux USA le 18 avril 1996)**

Co-propriété Institut Curie/CNRS/Institut Pasteur

« I Sce-induced gene replacement and gene conversion in embryonic stem cells » (F.Jaisser, M. Cohen-Tannoudji, S. Robine, A. Choulika, D. Louvard, C. Babinet.)

### **- Brevet n° 9613416 (4 Novembre 1996 - Déposé aux Etats Unis le 12 Juin 1997)**

Co-propriété Institut Curie/CNRS.

« Lignées cellulaires stables exprimant la protéine CFTR ou un mutant de cette protéine. outil de sélection de molécules ayant un effet sur le transport intracellulaire de ces protéines ». (M.A Costa de Beauregard, D. Louvard, S. Robine, G. Edelman, Chesnoy-Marchais, M. Buchwald).

### **- US-Patent n° 5.635.389 (3 juin 1997 - Application n° 422,613 (13 Avril 1995)**

Institut Pasteur/CNRS/INSERM

« Antibodies which recognize and bind human villin (D. Louvard, B. Dudouet, S. Robine, M. Arpin, E. Pringault, A. Garcia).

### **- US-Patent no. 5.652.101 (29 Juillet 1997 - Application n° 355,224 (9 Décembre 1994)**

Institut Pasteur

« Specific nucleic acid fragments of the gene for human villin - their use for diagnostic purposes.

(M. Arpin, E. Pringault, A. Garcia, D. **Louvard**)

- **US-Patent n° 09/040 725 (18 mars 1998)**

Institut Curie/CNRS

« A pharmaceutical composition containing ezrin mutated on tyrosine 353 » (M. Arpin, D. **Louvard** et al)

- **US Patent n° 5 830 729 (3 Nov. 1998)**

« ISce1-induced gene replacement and gene conversion in embryonic stem cells » (F. Jaisser, D. **Louvard** et al)

- **Brevet PCT/EP 98/080009 (9.12.98)**

Institut Curie

« Regulatory sequences of the mouse villin gene - use in transgenesis » (D. Pinto, D. **Louvard** et al)

- **US Patent 09/040, 725. 1999**

"Pharmaceutical Composition containing ezrin mutated on Tyrosine 553 ( M. Arpin,, T. Crepaldi,, A. Gautreau, D. **Louvard**).

- **Brevet 00403238.9 déposé le 20 Novembre 2000**

" Multiphoton Imaging installation" (F. Amblard, X. Sastre-Garou, S. Robine)

- " **Brevet français n°00/03637, déposé le 22 Mars 2000**

" Séquences peptidiques comprenant un ou plusieurs motifs de liaison aux protéines de la famille

Ena/VASP, et leur utilisations » (J. Fradelizi, E. Friederich, R.M. Golsteyn, D. **Louvard**, V. Noireaux, C. Sykes )

- **Brevet Français n° 99/15900, déposé en décembre 2000.**

"Subdomains of the Wiskott-Aldrich Syndrome protein and their uses" (E. Friederich, R.M. Golsteyn, D.

**Louvard**, V. Noireaux, J. Prost, C. Sykes)

- **Demande Brevet Européen N°00400427.1, déposée le 15 février 2000**

" Control of Membrane Traffic » (T. Galli, S. Martinez-Arca, D. **Louvard**)

- - **Demande Brevet Européen N°00403385.8 déposée le 1er Décembre 2000**

« Control of membrane traffic » (T. Galli, S. Martinez-Arca, D. **Louvard**)

- **US Patent n° 7,067,648 (27 juin 2006)**

"Regulatory sequences of the mouse villin gene. Use in transgenesis" (D. Pinto, S. Robine, D. **Louvard**, F.

Jaisser, J. Niewoehner)

- **FR07/05197 – dépôt du 19/07/2007**

Procédé de dosage de l'Ezrine pour le diagnostic in vitro du cancer colorectal (co-proprétaire

BioMérieux/CNRS)

- **FR0705198 – dépôt du 19/07/2007**

Procédé de dosage de la plasmine-I pour le diagnostic in vitro du cancer colorectal (co-proprétaire

BioMérieux/CNRS)

## **PUBLICATIONS**

1. D. **Louvard**, S. Maroux, J. Baratti & P. Desnuelle.  
On the preparation and some properties of closed membrane vesicles from hog duodenal and jejunal brush border.  
**Biochim. Biophys. Acta**, 1973, 291, 747-763.
2. D. **Louvard**, S. Maroux, J. Baratti & P. Desnuelle. On the distribution of enterokinase in porcine intestine and its sub- cellular localization.  
**Biochim. Biophys. Acta**, 1973, 309, 127-137.
3. S. Maroux, D. **Louvard** & J. Baratti. The aminopeptidase from hog intestinal brush border.  
**Biochim. Biophys. Acta**, 1973, 321, 282-295.
4. J. Baratti, S. Maroux, D. **Louvard** & P. Desnuelle.

- On porcine enterokinase. Further purification and some molecular properties.  
**Biochim. Biophys. Acta**, 1973, 315, 147-161.
5. J. Baratti, S. Maroux & D. Louvard.  
Effect of ionic strength and calcium ions on the activation of trypsinogen by enterokinase.  
**Biochim. Biophys. Acta**, 1973, 321, 632-638.
  6. D. Louvard, S. Maroux, Ch. Vannier & P. Desnuelle.  
Topological studies on the hydrolases bound to the intestinal brush border membrane. I.  
Solubilization  
by papain and Triton X-100.  
**Biochim. Biophys. Acta**, 1975, 375, 236-248.
  7. D. Louvard, S. Maroux & P. Desnuelle.  
Topological studies on the hydrolases bound to the intestinal brush border membrane. II.  
Interactions of free and bound aminopeptidase with a specific antibody.  
**Biochim. Biophys. Acta**, 1975, 389, 389-400.
  8. C. Lazdunski, J.-M. Pagès & D. Louvard.  
Antibodies as probes for detection of conformational changes in proteins. A model study with the  
alkaline phosphatase of *Escherichia coli*. **J. Mol. Biol.**, 1975, 97, 309-335.
  9. J.-M. Pagès, D. Louvard & C. Lazdunski. Preparation of active iodinated specific antibodies.  
**FEBS Lett.**, 1975, 59, 32-35.
  10. S. Maroux & D. Louvard. On the hydrophobic part of aminopeptidase and maltases which bind the  
enzyme to the  
intestinal brush border membrane. **Biochim. Biophys. Acta**, 1976, 410, 189-195.
  11. Ch. Vannier, D. Louvard & S. Maroux.  
Structural and topological homologies between porcine renal and intestinal brush border  
aminopeptidases. **Biochim. Biophys. Acta**, 1976, 455, 185-199.
  12. D. Louvard, Ch. Vannier, S. Maroux, J.-M. Pagès & C. Lazdunski.  
Quantitative immunochemical technique for evaluation of the integration of membrane proteins  
and for protein conformational changes and homologies. **Anal. Biochem.**, 1976, 76, 83-94.
  13. D. Louvard, M. Sémériva & S. Maroux.  
The brush border intestinal aminopeptidase, a transmembrane protein as probed by  
macromolecular photolabelling.  
**J. Mol. Biol.**, 1976, 106, 1023-1035.
  14. S. Maroux & D. Louvard.  
Les hydrolases de la bordure en brosse des entérocytes de porc. Leur mode d'intégration à travers  
l'étude de l'aminopeptidase. **Gastroenterol. Clin. Biol.**, 1977, 1, 377-388.
  15. J.F. Ash, D. Louvard & S.J. Singer.  
Antibody induced linkages of plasma membrane proteins to intracellular actomyosin-containing  
filaments in cultured fibroblasts. **Proc. Natl. Acad. Sci. USA**, 1977, 7, 5584-5588.
  16. S.J. Singer, J.F. Ash, L.Y.W. Bourguignon, M.H. Hegeness & D. Louvard. Transmembrane interactions  
and the mechanism of transport of  
proteins across membranes. **J. Supramol. Struct.**, 1978, 373-389.
  17. D. Louvard.  
Apical membrane aminopeptidase appears at site of cell-cell contact in cultured kidney epithelial  
cells.  
**Proc. Natl. Acad. Sci. USA**, 1980, 77, 4132-4136.
  18. E. Coudrier, H. Reggio & D. Louvard.  
Immunolocalization of the 110,000 molecular weight cytoskeletal protein of intestinal microvilli.

- J. Mol. Biol.**, 1981, 152, 49-66.
19. J. Green, G. Griffiths, D. **Louvard**, P. Quinn & G. Warren.  
Passage of viral membrane proteins through the Golgi complex.  
**J. Mol. Biol.**, 1981, 152, 663-698.
20. D. **Louvard** & H. Reggio. Rôle des microtubules dans l'organisation du complexe de Golgi.  
**Annales d'Endocrinologie**, 1981, 42, 349-362.
21. D.I. Meyer, D. **Louvard** & B. Dobberstein.  
Characterization of molecules involved in protein on translocating using a specific antibody.  
**J. Cell Biol.**, 1982, 92, 579-583.
22. A. Kupfer, D. **Louvard** & S.J. Singer.  
The polarization of the Golgi apparatus and the microtubule organizing centre in cultured fibroblasts at the edge of an experimental wound. **Proc. Natl. Acad. Sci. USA**, 1982, 79, 2603-2607.
23. D. **Louvard**, H. Reggio & G. Warren.  
Antibodies to the Golgi complex and the rough endoplasmic reticulum. **J. Cell Biol.**, 1982, 92, 92-107.
24. B. Burke, G. Griffiths, H. Reggio, D. **Louvard** & G. Warren.  
A monoclonal antibody against a 135 Kd Golgi membrane protein.  
**EMBO J.**, 1982, vol. 1, n°13, 1621-1628.
25. G. Griffiths, R. Brands, B. Burke, D. **Louvard** & G. Warren.  
Viral membrane proteins acquire galactose in trans Golgi cisternae during intracellular transport.  
**J. Mol. Biol.**, 1982, 95, 781-792.
26. E. Coudrier, H. Reggio & D. **Louvard**.  
Characterization of an integral membrane glycoprotein associated with the microfilaments of pig intestinal microvilli.  
**EMBO J.**, 1983, 2, n°3, 469-475.
27. C. Tougard, D. **Louvard**, R. Picart & A. Tixier-Vidal.  
The rough endoplasmic reticulum and the Golgi apparatus visualized using specific antibodies in normal and tumoral prolactin cells in culture. **J. Cell Biol.**, 1983, 96, 1197-1207.
28. N. Peyrieras, F. Hyafil, D. **Louvard**, H.L. Ploegh & F. Jacob.  
Ovomurulin: a nonintegral membrane protein of early mouse embryo.  
**Proc. Natl. Acad. Sci.**, 1983, 80, 6274-6277.
29. K. Matlin, D.F. Bainton, P. Personen, D. **Louvard**, N. Genty & K. Simons.  
Transepthelial transport of a viral membrane glycoprotein implanted into the apical plasma membrane of MDCK cells.  
**J. Cell Biol.**, 1983, 97, 627-637.
30. D. **Louvard**, C. Morris, G. Warren, K. Stanley, F. Winkler & H. Reggio.  
A monoclonal antibody to the heavy chain of clathrin.  
**EMBO J.** 1983, 2, 1655-1664.
31. H. Reggio, P. Webster & D. **Louvard**.  
Use of immunochemical techniques in studying the biogenesis of cell surfaces in polarized epithelia.  
**Meth. in Enzymol.**, 1983, 98, 379-396.
32. K. Soderberg, B. Rossi, M. Lazdunski & D. **Louvard**.  
Characterization of ouabain mutants of a canine kidney cell line, MDCK.  
**J. Biol. Chem.**, 1983, 258, 12300-12307.
33. E. Coudrier, S. Robine, C. Huet, M. Arpin, C. Sahuquillo-Mérino & D. **Louvard**.  
Expression of two structural markers of brush border intestinal mucosa: villin and a membrane glycoprotein (140 Kd), in a human colon carcinoma cell line HT29. **J. Submicrosc. Cytol.**, 1984, 16, 159-160.
34. M. Collot, D. **Louvard** & S.J. Singer.



Association between lysosomes and microtubules in cultured fibroblasts, as studied by double immunofluorescence labeling. **J. Submicrosc. Cytol.**, 1984, 16, 65-67.

35. M. Collot, D. **Louvard** & S.J. Singer. Lysosomes are associated with microtubules and not with intermediate filaments in cultured fibroblasts. **Proc. Natl. Acad. Sci. USA**, 1984, 81, 788-792.
36. H. Reggio, E. Coudrier, T. Kokuyasu & D. **Louvard**.  
The Ca<sup>++</sup> ATPase of the sarcoplasmic reticulum shares common domains with a membrane glycoprotein associated with the cytoskeleton of microvilli. **Proc. Natl. Acad. Sci. USA**, 1984, 81, 1130-1134.
37. L. Jacob, F. Tron, J.-F. Bach & D. **Louvard**. A monoclonal anti-DNA antibody binds also protein(s) of Raji cells surface. **Proc. Natl. Acad. Sci.**, 1984, 81, 3843-3845.
38. L. Jacob, F. Tron, D. **Louvard** & J.-F. Bach. Une nouvelle spécificité pour les anticorps anti-ADN. **C. R. Acad. Sci. Paris**, 1984, 298, 481-482.
39. H. Reggio, E. Harms, D. Bainton, E. Coudrier & D. **Louvard**.  
Antibodies against lysosomal membranes reveal a 100 Kd protein that cross-reacts with purified H<sup>+</sup>, K<sup>+</sup> ATPase from gastric mucosa. **J. Cell Biol.**, 1984, 99, 1511-1526.
40. L. Orci, M. Ravazzola, D. **Louvard** & A. Perrelet.  
Distribution asymétrique de la clathrine au niveau de l'appareil de Golgi de cellules sécrétoires à polypeptides.  
**C. R. Acad. Sc. Paris**, 1984, 299, 697-702.
41. B. Goud, C. Huet & D. **Louvard**.  
Assembled and unassembled pools of clathrin: a quantitative study using an enzyme immunoassay. **J. Cell Biol.**, 1985, 100, 521-527.
42. M. Mirande, D. Le Corre, D. **Louvard**, H. Reggio, J.-F. Pailliez & J.-P. Waller.  
Association of an aminoacyl-tRNA synthetase complex and of phenylanyl tRNA synthetase with the cytoskeletal framework in mammalian cells. **Exp. Cell Res.**, 1985, 156, 91-102.
43. C. Tougard, D. **Louvard**, R. Picart & A. Tixier-Vidal  
Antibodies against a lysosomal membrane antigen recognize a prelysosomal compartment involved in the endocytic pathway in cultured prolactin cells.  
**J. Cell Biol.**, 1985, 100, 786-793.
44. L. Jacob, M.-A. Lety, D. **Louvard** & F. Bach.  
Binding of a monoclonal anti-DNA autoantibody to identical protein(s) present at the surface of different cell types involved in lupus pathogenesis. **Clin. Invest.**, 1985, 75, 315-317.
45. L. Orci, M. Ravazzola, M. Amherdt, D. **Louvard** & A. Perrelet.  
Clathrin immunoreactive sites in the Golgi apparatus are concentrated at the trans pole in polypeptide hormone secreting cells. **Proc. Nat. Acad. Sci. USA**, 1985, 82, 5385-5389.
46. N. Peyriéras, D. **Louvard** & F. Jacob.  
Characterisation of antigens recognized by monoclonal and polyclonal antibodies directed against ovomorulin.  
**Proc. Natl. Acad. Sci. USA**, 1985, 82, 8067-8071.
47. S. Robine, C. Huet, R. Moll, C. Sahuquillo-Mérino, E. Coudrier, A. Zweibaum & D. **Louvard**.  
Can villin be used to identify malignant and undifferentiated normal digestive epithelial cells  
**Proc. Natl. Acad. Sci. USA**, 1985, 82, 8488-8492.
48. M. Moya, A. Dautry-Varsat, B. Goud, D. **Louvard** & P. Boquet.  
Inhibition of coated pits formation in HEP 2 cells block the cytotoxicity of diphtheria toxin but not that of ricin toxin.  
**J. Cell Biol.**, 1985, 101, 548-559.
49. R. Baron, L. Neff, D. **Louvard** & P.J. Courtoy.

- Cell-mediated extracellular acidification and bone resorption: evidence for a low pH in resorbing lacunae and localization of a 100 Kd lysosomal membrane protein at the osteoclast ruffled border. **J. Cell Biol.**, 1985, *101*, 2210-2222.
50. B. Gumbiner & D. **Louvard**.  
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